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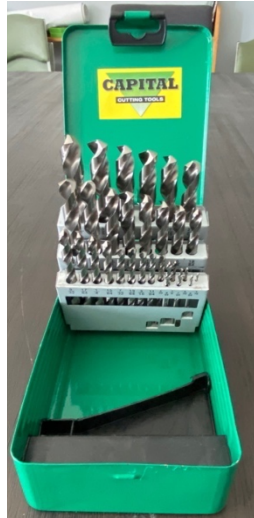
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CAPITAL

CUTTING TOOLS



METAL CASE DRILL SETS (HSS)

Code	Set No.	No. of Drills	Sizes	\$ ea.
JDS-100	CM-1	25	1mm – 13mm in 0.5mm rises	157.54
JDS-200	CM-2	19	1mm – 10mm in 0.5mm rises	79.23
JDS-300	CM-3	29	1/16 – 1/2 in 1/64 rises	173.08
JDS-400	CM-4	21	1/16 – 3/8 in 1/64 rises	80.98

METAL CASE DRILL SETS (COBALT)

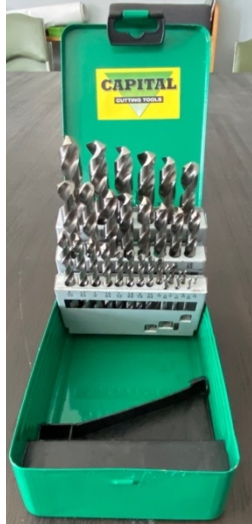
Code	Set No.	No. of Drills	Sizes	\$ ea.
JDS-500	CM-5	25	1mm – 13mm in 0.5mm rises	303.31
JDS-600	CM-6	19	1mm – 10mm in 0.5mm rises	153.84
JDS-700	CM-7	29	1/16 – 1/2 in 1/64 rises	326.05
JDS-800	CM-8	21	1/16 – 3/8 in 1/64 rises	162.85

REFILL SETS (HSS)

Code	Set No.	No. of Drills	Sizes	\$ ea.
JSR-A	RF-1	25	1mm – 13mm in 0.5mm rises	144.64
JSR-B	RF-2	19	1mm – 10mm in 0.5mm rises	66.34
JSR-C	RF-3	29	1/16 – 1/2 in 1/64 rises	160.19
JSR-D	RF-4	21	1/16 – 3/8 in 1/64 rises	68.15

CAPITAL

CUTTING TOOLS



REFILL SETS (COBALT)

Code	Set No.	No. of Drills	Sizes	\$ ea.
JSR-E	RF-5	25	1mm – 13mm in 0.5mm rises	287.82
JSR-F	RF-6	19	1mm – 10mm in 0.5mm rises	138.36
JSR-G	RF-7	29	1/16 – 1/2 in 1/64 rises	309.64
JSR-H	RF-8	21	1/16 – 3/8 in 1/64 rises	153.18

METAL CASE (EMPTY)

Code	Set No.	No. of Drills	Sizes	\$ ea.
JDE-100	JDE-1	N / A	1mm – 13mm in 0.5mm rises	16.40
JDE-200	JDE-2	N / A	1mm – 10mm in 0.5mm rises	9.67
JDE-300	JDE-3	N / A	1/16 – 1/2 in 1/64 rises	16.40
JDE-400	JDE-4	N / A	1/16 – 3/8 in 1/64 rises	9.67

LEFT HAND COBALT METAL CASE DRILL SETS

Code	Set No.	No. of Drills	Sizes	\$ ea.
LHCJ-100	LHCJ-1	13	1mm – 13mm in 1.0mm rises	208.88
LHCJ-200	LHCJ-2	10	1mm – 10mm in 1.0mm rises	137.86

CAPITAL

CUTTING TOOLS



REDUCED SHANK DRILL SETS (HSS)

Code	Sizes	\$ ea.
RSD-200	M14, M15, M16, M17, M18, M19, M20	335.96
RSD-300	9/16, 19/32, 5/8, 21/32, 11/16, 23/32, 3/4	348.81
RSD-100	M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25	595.05
RSD-400	9/16, 19/32, 5/8, 21/32, 11/16, 23/32, 3/4, 25/32, 13/16, 7/8, 15/16, 1"	617.51

EXTENSION REDUCED SHANK DRILL SETS (HSS) - 200MM OAL

Code	Sizes	\$ ea.
RSD-500	M14, M15, M16, M17, M18, M19, M20	594.12
RSD-700	9/16, 19/32, 5/8, 21/32, 11/16, 23/32, 3/4	602.31
RSD-600	M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25	1105.21
RSD-800	9/16, 19/32, 5/8, 21/32, 11/16, 23/32, 3/4, 25/32, 13/16, 7/8, 15/16, 1"	1122.76

REDUCED SHANK DRILL SETS INCLUDE ONE DRILL PER SIZE LISTED ABOVE

CAPITAL

CUTTING TOOLS



CENTRE DRILL PLAIN TYPE SETS

Code	Sizes	Number in Set	\$ ea.
C170-0105	No 1	2	81.95
	No 2	2	
	No 3	1	
	No 4	1	
	No 5	1	

Code	Sizes	Number in Set	\$ ea.
C170-0107	No 1	2	142.15
	No 2	2	
	No 3	2	
	No 4	2	
	No 5	1	
	No 6	1	
	No 7	1	

Code	Sizes	Number in Set	\$ ea.
C170-0108	No 1	2	192.70
	No 2	2	
	No 3	2	
	No 4	2	
	No 5	1	
	No 6	1	
	No 7	1	
	No 8	1	

CAPITAL

CUTTING TOOLS



ANNULAR CUTTER SETS - HSS COBALT

Code	Sizes	\$ ea.
CC801-100	M14, M15, M16, M17, M18, M19, M20, M22, M25	580.84

ANNULAR CUTTER SETS INCLUDE ONE PIECE PER LISTED SIZE & TWO PINS

CAPITAL

CUTTING TOOLS



HOLESAW SETS - 8% COBALT

Code	Set Type	Sizes	\$ ea.
HSP-0100	PLUMBER	19, 22, 29, 38, 44, 57	201.00
HSP-0200	PLUMBER	44, 57, 64, 92, 114	233.80
HSP-0300	PLUMBER	16, 19, 22, 25, 27, 32, 35, 44, 57, 73, 92, 114	321.64
HSE-0100	ELECTRICIAL	16, 20, 25, 32, 40, 51	194.42
HSE-0200	ELECTRICIAL	22, 29, 35, 44, 51, 68	212.61
HSE-0300	ELECTRICIAL	51, 76, 86, 105,	215.48
HSE-0400	ELECTRICIAL	16, 20, 22, 25, 32, 40, 51, 60, 92	252.43
HSM-100	MAINTENANCE	20, 25, 32, 38, 54	187.17
HSM-200	MAINTENANCE	16, 20, 25, 32, 40, 51, 54, 64	231.45
HSM-300	MAINTENANCE	16, 20, 22, 25, 32, 40, 51, 54, 60	239.87
HSM-400	MAINTENANCE	16, 19, 22, 25, 29, 32, 35, 38, 44, 51	242.41
HSM-500	MAINTENANCE	19, 22, 29, 35, 38, 44, 51, 57, 64	250.59
HSM-600	MAINTENANCE	16, 19, 22, 25, 32, 38, 54, 92, 102	266.81
HSM-700	MAINTENANCE	19, 22, 25, 32, 35, 38, 44, 51, 54, 63, 76	277.33
HSM-800	MAINTENANCE	19, 22, 25, 29, 32, 35, 44, 51, 57, 64, 68, 76	305.62
HSM-900	MAINTENANCE	16, 20, 22, 25, 32, 40, 51, 54, 64, 92, 114	309.03
HSM-1000	MAINTENANCE	16, 20, 22, 25, 32, 38, 40, 51, 54, 60, 64, 70, 89, 92, 100, 114	427.76

HOLESAW SETS INCLUDE ONE HOLESAW PER SIZE, PLUS ADAPTOR, PILOT DRILL & ARBOR

CAPITAL

CUTTING TOOLS



MTS DRILL SETS

Code	Sizes	\$ ea.
D187-200	M14, M15, M16, M17, M18, M19, M20	431.50
D187-100	9/16, 19/32, 5/8, 21/32, 11/16, 23/32, 3/4	442.75

MTS DRILL SETS INCLUDE ONE PIECE PER SIZE LISTED



EXTRA LENGTH MTS DRILL SETS - 200MM F/L

Code	Sizes	\$ ea.
D192-200	M14, M15, M16, M17, M18, M19, M20	744.48

EXTRA LENGTH MTS DRILL SETS INCLUDE ONE PIECE PER SIZE LISTED, DRILLS HAVE 200MM F/L

CAPITAL

CUTTING TOOLS



PLAIN SHANK SLOT DRILL SETS - SHORT SERIES

Code	Sizes	\$ ea.
SP100	M3, M4, M5, M6, M8, M10, M12	195.24
SP200	M3, M4, M5, M6, M7, M8, M9, M10, M11, M12	272.46
SP300	M3, M4, M5, M6, M8, M10, M12, M14, M16, M20	303.92
SP400	M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M14, M16, M20	381.14
SP500	M3, M4, M5, M6, M8, M10, M12, M14, M16, M20, M22, M25	459.42



PLAIN SHANK END MILL SETS - SHORT SERIES

Code	Sizes	\$ ea.
EP100	M3, M4, M5, M6, M8, M10, M12	175.76
EP200	M3, M4, M5, M6, M7, M8, M9, M10, M11, M12	244.83
EP300	M3, M4, M5, M6, M8, M10, M12, M14, M16, M20	283.89
EP400	M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M14, M16, M20	352.96
EP500	M3, M4, M5, M6, M8, M10, M12, M14, M16, M20, M22, M25	437.59

CAPITAL

CUTTING TOOLS



CARBIDE SLOT DRILL SETS - TiCN COATED

Code	Sizes	\$ ea.
CSDS-0412	M4, M5, M6, M8, M10, M12	345.13
CSDS-0416	M4, M5, M6, M8, M10, M12, M16	426.88
CSDS-0420	M4, M5, M6, M8, M10, M12, M16, M20	614.01

CARBIDE END MILL SETS - TiCN COATED

Code	Sizes	\$ ea.
CEMS-0412	M4, M5, M6, M8, M10, M12	345.13
CEMS-0416	M4, M5, M6, M8, M10, M12, M16	426.88
CEMS-0420	M4, M5, M6, M8, M10, M12, M16, M20	614.01

CARBIDE BALL NOSE SLOT DRILL SETS - TiCN COATED

Code	Sizes	\$ ea.
CBNSDS-0412	M4, M5, M6, M8, M10, M12	444.42
CBNSDS-0416	M4, M5, M6, M8, M10, M12, M16	514.60
CBNSDS-0420	M4, M5, M6, M8, M10, M12, M16, M20	748.50

CARBIDE SETS INCLUDE 2 EACH OF M4, M5 & M6, AND 1 OF EACH REMAINING SIZE LISTED ABOVE

CAPITAL

CUTTING TOOLS



ALL REAMER SETS

Code	Sizes	\$ ea.
HSS H7 MTS MACHINE REAMER SETS		
603R-100	M3, M4, M5, M6, M7, M8, M9, M10, 11, M12, M13	747.07
603R-200	M14, M15, M16, M17, M18, M19, M20	716.71
HSS H7 HAND REAMER SETS		
601R-100	M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13	579.95
601R-200	1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2	705.59
MTS BRIDGE REAMER SETS		
607R-100	M9, M10, 11, M12, M13	627.70
607R-200	M14, M15, M16, M17, M18, M19, M20	1156.83
HSS H7 Co STRAIGHT SHANK CHUCKING REAMER SETS		
RCM-100	M3, M4, M5, M6, M7, M8, M9, M10, 11, M12, M13	463.56
RCM-200	M13, M14, M15, M16, M17, M18, M19, M20	763.42
RCI-100	1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2	581.52
STRAIGHT FLUTE HAND TAPER PIN REAMER SETS		
R606-100	50:1 2, 3, 4, 5, 6, 8, 10, 12, 13	748.46
R606-200	48:1 1/16, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2	661.22

EACH SET INCLUDES ONE REAMER PER SIZE LISTED ABOVE

CAPITAL

CUTTING TOOLS



WARRAGUL TYPE DIE SETS

Code	Sizes	\$ ea.
WD100	M16 x 1.5, M20 x 1.5, M25 x 1.5, M32 x 1.5, M40 x 1.5	1033.98

EACH SET INCLUDES ONE WARRAGUL TYPE DIE PER SIZE LISTED ABOVE

CAPITAL

CUTTING TOOLS



TAP & DIE SETS

HIGH SPEED STEEL - GROUND THREAD

Code	Thread Form	Sizes	\$ ea.
SETS INCLUDE 2 TAP WRENCHES & 2 DIE STOCKS			
TDS-600	METRIC	M4, M5, M6, M8, M10, M12, M14, M16	930.90
TDS-700	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	1043.91
TDS-800	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	1122.28
SETS INCLUDE 3 TAP WRENCHES & 3 DIE STOCKS			
TDS-100	METRIC	M4, M5, M6, M8, M10, M12, M14, M16, M18, M20, M22, M24	1712.05
TDS-200	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1724.18
TDS-300	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1743.34
SETS DO NOT INCLUDE ANY TAP WRENCHES OR DIE STOCKS			
TDS-150	METRIC	M4, M5, M6, M8, M10, M12, M14, M16, M18, M20, M22, M24	1364.32
TDS-250	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1376.45
TDS-350	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1436.06

EACH SET INCLUDES A TAPER TAP, BOTTOM TAP & BUTTON DIE PER SIZE LISTED ABOVE AS WELL AS SIZE RELEVANT HOLDERS FOR BOTH TAPS AND DIES AS LISTED ABOVE

CAPITAL

CUTTING TOOLS



TAP & BUTTON DIE SETS

HIGH SPEED STEEL - GROUND THREAD

Code	Thread Form	Sizes	\$ ea.
TBDS100-0312	METRIC	M3, M4, M5, M6, M8, M10, M12	596.47
TBDS220-1036	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2	732.13
TBDS200-1036	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2	748.50
TBDS300-2636	BSW	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2	769.55
TBDS320-2636	BSF	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2	783.59
TBDS100-0316	METRIC	M3, M4, M5, M6, M8, M10, M12, M14, M16	959.02
TBDS220-1040	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	1011.65
TBDS200-1040	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	1029.19
TBDS300-2640	BSW	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	1046.73
TBDS320-2640	BSF	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	1163.69
TBDS100-0324	METRIC	M3, M4, M5, M6, M8, M10, M12, M14, M16, M18, M20, M24	1812.78
TBDS220-1052	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1912.19
TBDS200-1052	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1923.89
TBDS300-2652	BSW	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1970.67
TBDS320-2652	BSF	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	2281.76

EACH SET INCLUDES A TAPER TAP, INTER TAP, BOTTOM TAP & BUTTON DIE PER SIZE LISTED ABOVE

CAPITAL

CUTTING TOOLS



TAP & DIE NUT SETS

HIGH SPEED STEEL - GROUND THREAD

Code	Thread Form	Sizes	\$ ea.
TDNS100-0312	METRIC	M3, M4, M5, M6, M8, M10, M12	720.44
TDNS220-1036	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2	753.18
TDNS200-1036	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2	792.95
TDNS300-2636	BSW	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2	797.63
TDNS320-2636	BSF	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2	901.71
TDNS100-0316	METRIC	M3, M4, M5, M6, M8, M10, M12, M14, M16	1098.19
TDNS220-1040	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	1134.45
TDNS200-1040	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	1108.71
TDNS300-2640	BSW	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	1115.74
TDNS320-2640	BSF	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	1367.18
TDNS100-0324	METRIC	M3, M4, M5, M6, M8, M10, M12, M14, M16, M18, M20, M24	2011.61
TDNS220-1052	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	2050.20
TDNS200-1052	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	2026.81
TDNS300-2652	BSW	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	2070.08
TDNS320-2652	BSF	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	2432.63

EACH SET INCLUDES A TAPER TAP, INTER TAP, BOTTOM TAP & DIE NUT PER SIZE LISTED ABOVE

CAPITAL

CUTTING TOOLS



TAP & DRILL SETS

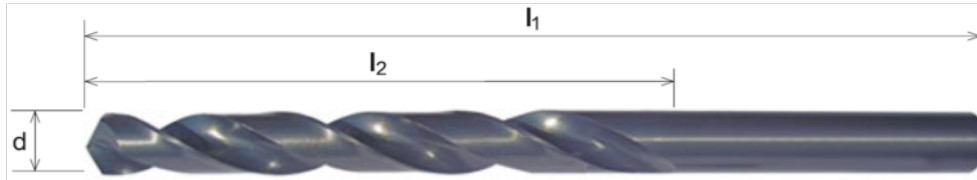
HIGH SPEED STEEL - GROUND THREAD

Code	Thread Form	Sizes	\$ ea.
TDRS100-0312	METRIC	M3, M4, M5, M6, M8, M10, M12	329.47
TDRS220-1036	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2	347.35
TDRS200-1036	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2	349.69
TDRS300-2636	BSW	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2	376.59
TDRS320-2636	BSF	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2	376.59
TDRS100-0316	METRIC	M3, M4, M5, M6, M8, M10, M12, M14, M16	488.86
TDRS220-1040	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	506.41
TDRS200-1040	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	529.80
TDRS300-2640	BSW	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	555.54
TDRS320-2640	BSF	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	555.54
TDRS100-0324	METRIC	M3, M4, M5, M6, M8, M10, M12, M14, M16, M18, M20, M24	1058.43
TDRS220-1052	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1085.33
TDRS200-1052	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1087.66
TDRS300-2652	BSW	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1128.61
TDRS320-2652	BSF	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1233.86

EACH SET INCLUDES A TAPER TAP, BOTTOM TAP & HSS DRILL PER SIZE LISTED ABOVE

CAPITAL

CUTTING TOOLS

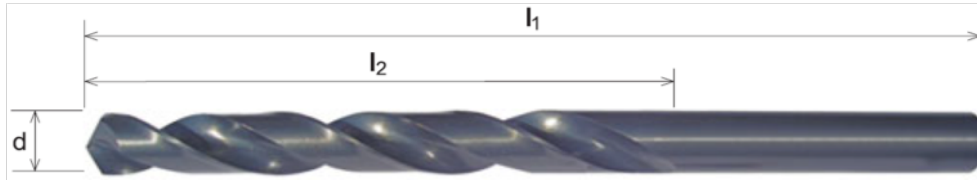


JOBBER DRILLS (BULK) BLACK FINISH

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
J102-00156	1/64	5	20	4.62	J101-00492	1.25	16	38	2.89
J101-00157	0.4	5	20	4.62	J101-00512	1.3	16	38	1.86
J101-00165	0.42	5	20	6.46	J101-00531	1.35	18	40	2.95
J101-00177	0.45	5	20	4.62	J101-00551	1.4	18	40	2.19
J101-00189	0.48	5	20	6.46	J101-00571	1.45	18	40	2.19
J101-00197	0.5	6	22	4.62	J101-00591	1.5	18	40	1.66
J101-00205	0.52	6	22	6.46	J101-00610	1.55	20	43	2.21
J101-00217	0.55	7	24	4.62	J102-00625	1/16	20	43	1.64
J101-00228	0.58	7	24	6.46	J101-00630	1.6	20	43	1.61
J101-00236	0.6	7	24	4.62	J101-00650	1.65	20	43	2.21
J101-00244	0.62	8	26	6.46	J101-00669	1.7	20	43	1.54
J101-00256	0.65	8	26	4.62	J101-00689	1.75	22	46	2.19
J101-00268	0.68	9	28	5.98	J101-00709	1.8	22	46	1.49
J101-00276	0.7	9	28	4.62	J101-00728	1.85	22	46	2.21
J101-00283	0.72	9	28	5.00	J101-00748	1.9	22	46	1.49
J101-00295	0.75	9	28	4.62	J101-00768	1.95	24	49	2.21
J101-00307	0.78	10	30	4.62	J102-00781	5/64	24	49	1.49
J102-00312	1/32	10	30	3.19	J101-00787	2	24	49	1.49
J101-00315	0.8	10	30	2.94	J101-00807	2.05	24	49	1.86
J101-00323	0.82	10	30	4.61	J101-00827	2.1	24	49	1.49
J101-00335	0.85	10	30	2.94	J101-00846	2.15	27	53	1.86
J101-00346	0.88	11	32	4.62	J101-00866	2.2	27	53	1.49
J101-00354	0.9	11	32	2.94	J101-00886	2.25	27	53	1.86
J101-00362	0.92	11	32	4.62	J101-00906	2.3	27	53	1.49
J101-00374	0.95	11	32	2.94	J101-00925	2.35	27	53	1.86
J101-00386	0.98	12	34	4.62	J102-00938	3/32	30	57	1.49
J101-00394	1	12	34	1.81	J101-00945	2.4	30	57	1.49
J101-00413	1.05	12	34	2.89	J101-00965	2.45	30	57	1.86
J101-00433	1.1	14	36	1.81	J101-00984	2.5	30	57	1.49
J101-00453	1.15	14	36	2.89	J101-01004	2.55	30	57	1.86
J102-00469	3/64	16	38	1.81	J101-01024	2.6	30	57	1.49
J101-00472	1.2	16	38	1.81	J101-01043	2.65	30	57	1.86

CAPITAL

CUTTING TOOLS

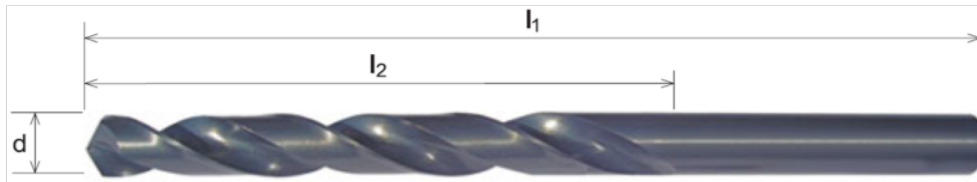


JOBBER DRILLS (BULK) BLACK FINISH

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
J101-01063	2.7	33	61	1.37	J101-01870	4.75	47	80	2.21
J101-01083	2.75	33	61	1.49	J101-01875	3/16	52	86	2.24
J102-01094	7/64	33	61	1.37	J101-01890	4.8	52	86	2.34
J101-01102	2.8	33	61	1.37	J101-01929	4.9	52	86	2.34
J101-01122	2.85	33	61	1.52	J101-01968	5.0	52	86	2.46
J101-01142	2.9	33	61	1.37	J101-02008	5.1	52	86	2.46
J101-01161	2.95	33	61	1.52	J102-02031	13/64	52	86	2.59
J101-01181	3	33	61	1.43	J101-02047	5.2	52	86	3.06
J101-01220	3.1	36	65	1.43	J101-02066	5.25	52	86	2.89
J102-01250	1/8	36	65	1.43	J101-02087	5.3	52	86	2.89
J101-01260	3.2	36	65	1.43	J101-02126	5.4	57	93	2.89
J101-01279	3.25	36	65	1.52	J101-02165	5.5	57	93	2.89
J101-01299	3.3	36	65	1.49	J102-02188	7/32	57	93	3.00
J101-01339	3.4	39	70	1.49	J101-02205	5.6	57	93	3.00
J101-01378	3.5	39	70	1.57	J101-02244	5.7	57	93	3.10
J102-01406	9/64	39	70	1.63	J101-02263	5.75	57	93	2.97
J101-01417	3.6	39	70	1.49	J101-02283	5.8	57	93	2.97
J101-01457	3.7	39	70	1.63	J101-02323	5.9	57	93	2.97
J101-01476	3.75	39	70	1.67	J102-02344	15/64	57	93	2.97
J101-01496	3.8	43	75	1.67	J101-02362	6.0	57	93	3.07
J101-01535	3.9	43	75	1.73	J101-02402	6.1	63	101	3.21
J102-01562	5/32	43	75	1.73	J101-02441	6.2	63	101	3.21
J101-01575	4	43	75	1.79	J101-02460	6.25	63	101	3.38
J101-01614	4.1	43	75	1.87	J101-02480	6.3	63	101	3.21
J101-01654	4.2	43	75	1.43	J102-02500	1/4	63	101	3.33
J101-01673	4.25	43	75	1.87	J101-02520	6.4	63	101	3.45
J101-01693	4.3	47	80	1.99	J101-02559	6.5	63	101	3.45
J102-01719	11/64	47	80	2.02	J101-02598	6.6	63	101	3.77
J101-01732	4.4	47	80	1.99	J101-02638	6.7	63	101	3.77
J101-01772	4.5	47	80	1.99	J102-02656	17/64	69	109	3.77
J101-01811	4.6	47	80	2.14	J101-02657	6.75	69	109	3.97
J101-01850	4.7	47	80	2.14	J101-02677	6.8	69	109	3.83

CAPITAL

CUTTING TOOLS

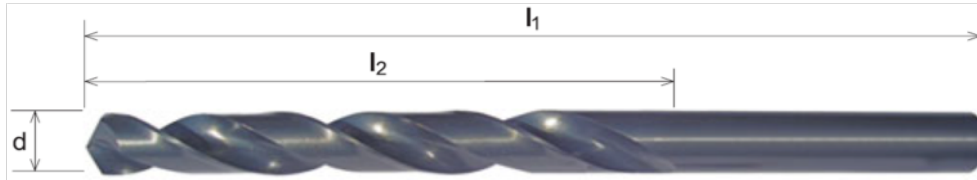


JOBBER DRILLS (BULK) BLACK FINISH

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
J101-02717	6.9	69	109	4.00	J102-03594	23/64	81	125	6.39
J101-02756	7.0	69	109	4.03	J101-03622	9.2	81	125	6.80
J101-02795	7.1	69	109	4.03	J101-03641	9.25	81	125	7.35
J102-02812	9/32	69	109	4.23	J101-03661	9.3	81	125	6.80
J101-02835	7.2	69	109	4.32	J101-03701	9.4	81	125	6.80
J101-02854	7.25	69	109	4.59	J101-03740	9.5	81	125	6.80
J101-02874	7.3	69	109	4.32	J102-03750	3/8	87	133	6.80
J101-02913	7.4	69	109	4.32	J101-03780	9.6	87	133	7.19
J101-02953	7.5	69	109	4.58	J101-03819	9.7	87	133	7.19
J102-02969	19/64	75	117	4.58	J101-03838	9.75	87	133	7.68
J101-02992	7.6	75	117	4.71	J101-03858	9.8	87	133	7.25
J101-03032	7.7	75	117	4.93	J101-03898	9.9	87	133	7.25
J101-03051	7.75	75	117	5.22	J102-03906	25/64	87	133	7.25
J101-03071	7.8	75	117	4.93	J101-03937	10.0	87	133	7.30
J101-03110	7.9	75	117	4.93	J101-03976	10.1	87	133	11.13
J102-03125	5/16	75	117	4.94	J101-04016	10.2	87	133	8.12
J101-03150	8.0	75	117	4.93	J101-04035	10.25	87	133	11.13
J101-03189	8.1	75	117	5.37	J101-04055	10.3	87	133	11.13
J101-03228	8.2	75	117	5.37	J102-04062	13/32	87	133	8.12
J101-03258	8.25	75	117	5.63	J101-04094	10.4	87	133	11.80
J101-03268	8.3	75	117	5.37	J101-04134	10.5	87	133	8.27
J102-03281	21/64	75	117	5.37	J101-04173	10.6	87	133	12.38
J101-03307	8.4	75	117	5.44	J101-04213	10.7	94	142	12.38
J101-03346	8.5	75	117	5.60	J102-04219	27/64	94	142	9.05
J101-03386	8.6	81	125	5.87	J101-04232	10.75	94	142	13.66
J101-03425	8.7	81	125	5.87	J101-04252	10.8	94	142	13.66
J102-03438	11/32	81	125	5.87	J101-04291	10.9	94	142	13.66
J101-03444	8.75	81	125	6.36	J101-04331	11.0	94	142	9.57
J101-03465	8.8	81	125	6.14	J101-04370	11.1	94	142	14.89
J101-03504	8.9	81	125	6.14	J102-04375	7/16	94	142	10.10
J101-03543	9.0	81	125	6.14	J101-04409	11.2	94	142	15.51
J101-03583	9.1	81	125	6.39	J101-04429	11.25	94	142	15.51

CAPITAL

CUTTING TOOLS



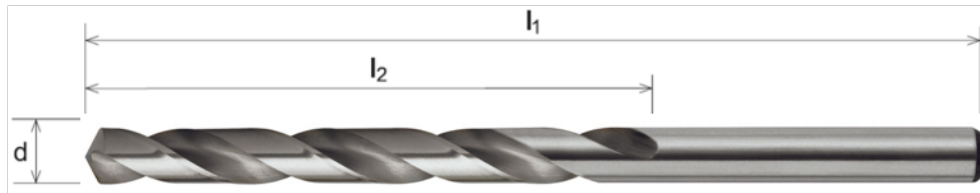
JOBBER DRILLS (BULK) BLACK FINISH

Code	Size	l ₂	l ₁	\$ ea.
J101-04449	11.3	94	142	15.51
J101-04488	11.4	94	142	15.38
J101-04528	11.5	94	142	10.68
J102-04531	29/64	94	142	10.68
J101-04567	11.6	94	142	16.74
J101-04606	11.7	94	142	16.74
J101-04625	11.75	94	142	16.74
J101-04646	11.8	94	142	16.74
J101-04685	11.9	101	151	15.89
J102-04688	15/32	101	151	12.06
J101-04724	12.0	101	151	12.20
J101-04764	12.1	101	151	18.61
J101-04803	12.2	101	151	18.61
J101-04822	12.25	101	151	19.34
J101-04843	12.3	101	151	18.61
J102-04844	31/64	101	151	12.79
J101-04882	12.4	101	151	19.27
J101-04924	12.5	101	151	13.40
J101-04961	12.6	101	151	19.27
J101-04987	12.7	101	151	19.88
J102-05000	1/2	101	151	13.41
J101-05019	12.75	101	151	19.88
J101-05039	12.8	101	151	19.88
J101-05079	12.9	101	151	19.88
J101-05118	13.0	101	151	14.40
J102-05157	33/64	101	151	30.89

Code	Size	l ₂	l ₁	\$ ea.
J101-05216	13.25	108	160	43.48
J101-05275	13.4	108	160	43.48
J102-05312	17/32	108	160	30.89
J101-05314	13.5	108	160	42.55
J101-05413	13.75	108	160	42.55
J102-05468	35/64	108	160	31.01
J101-05512	14.0	108	160	31.04
J102-05625	9/16	114	169	32.21
J101-05709	14.5	114	169	32.88
J102-05781	37/64	114	169	32.88
J101-05906	15.0	114	169	35.53
J102-05938	19/32	120	178	35.53
J102-06094	39/64	120	178	35.54
J101-06102	15.5	120	178	42.55
J101-06200	15.75	120	178	42.55
J102-06250	5/8	120	178	40.77
J101-06299	16.0	120	178	39.18
J101-06496	16.5	125	184	52.60
J101-06693	17.0	125	184	52.60
J101-06890	17.5	130	191	66.43
J101-07087	18.0	130	191	66.43
J101-07283	18.5	135	198	70.44
J101-07480	19.0	135	198	70.44
J101-07677	19.5	140	205	57.55
J101-07874	20.0	140	205	78.66

CAPITAL

CUTTING TOOLS

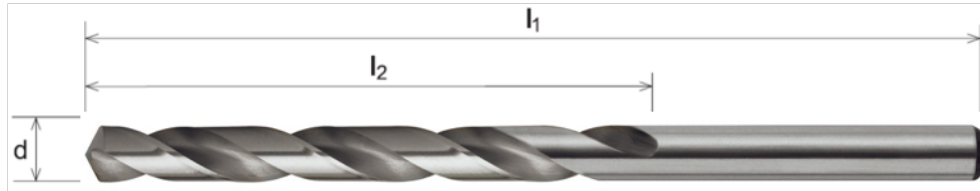


JOBBER DRILLS (BULK) BRIGHT FINISH

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
J104-00156	1/64	5	20	4.62	J103-00492	1.25	16	38	2.89
J103-00157	0.4	5	20	4.62	J103-00512	1.3	16	38	1.86
J103-00165	0.42	5	20	6.46	J103-00531	1.35	18	40	2.95
J103-00177	0.45	5	20	4.62	J103-00551	1.4	18	40	2.19
J103-00189	0.48	5	20	6.46	J103-00571	1.45	18	40	2.19
J103-00197	0.5	6	22	4.62	J103-00591	1.5	18	40	1.66
J103-00205	0.52	6	22	6.46	J103-00610	1.55	20	43	2.21
J103-00217	0.55	7	24	4.62	J104-00625	1/16	20	43	1.64
J103-00228	0.58	7	24	6.46	J103-00630	1.6	20	43	1.61
J103-00236	0.6	7	24	4.62	J103-00650	1.65	20	43	2.21
J103-00244	0.62	8	26	6.46	J103-00669	1.7	20	43	1.54
J103-00256	0.65	8	26	4.62	J103-00689	1.75	22	46	2.19
J103-00268	0.68	9	28	5.98	J103-00709	1.8	22	46	1.49
J103-00276	0.7	9	28	4.62	J103-00728	1.85	22	46	2.21
J103-00283	0.72	9	28	5.00	J103-00748	1.9	22	46	1.49
J103-00295	0.75	9	28	4.62	J103-00768	1.95	24	49	2.21
J103-00307	0.78	10	30	4.62	J104-00781	5/64	24	49	1.49
J104-00312	1/32	10	30	3.19	J103-00787	2	24	49	1.49
J103-00315	0.8	10	30	2.94	J103-00807	2.05	24	49	1.86
J103-00323	0.82	10	30	4.61	J103-00827	2.1	24	49	1.49
J103-00335	0.85	10	30	2.94	J103-00846	2.15	27	53	1.86
J103-00346	0.88	11	32	4.62	J103-00866	2.2	27	53	1.49
J103-00354	0.9	11	32	2.94	J103-00886	2.25	27	53	1.86
J103-00362	0.92	11	32	4.62	J103-00906	2.3	27	53	1.49
J103-00374	0.95	11	32	2.94	J103-00925	2.35	27	53	1.86
J103-00386	0.98	12	34	4.62	J104-00938	3/32	30	57	1.49
J103-00394	1	12	34	1.81	J103-00945	2.4	30	57	1.49
J103-00413	1.05	12	34	2.89	J103-00965	2.45	30	57	1.86
J103-00433	1.1	14	36	1.81	J103-00984	2.5	30	57	1.49
J103-00453	1.15	14	36	2.89	J103-01004	2.55	30	57	1.86
J104-00469	3/64	16	38	1.81	J103-01024	2.6	30	57	1.49
J103-00472	1.2	16	38	1.81	J103-01043	2.65	30	57	1.86

CAPITAL

CUTTING TOOLS

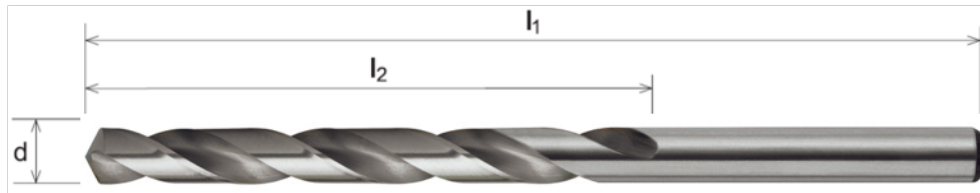


JOBBER DRILLS (BULK) BRIGHT FINISH

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
J103-01063	2.7	33	61	1.37	J103-01870	4.75	47	80	2.21
J103-01083	2.75	33	61	1.49	J103-01875	3/16	52	86	2.24
J104-01094	7/64	33	61	1.37	J103-01890	4.8	52	86	2.34
J103-01102	2.8	33	61	1.37	J103-01929	4.9	52	86	2.34
J103-01122	2.85	33	61	1.52	J103-01968	5.0	52	86	2.46
J103-01142	2.9	33	61	1.37	J103-02008	5.1	52	86	2.46
J103-01161	2.95	33	61	1.52	J104-02031	13/64	52	86	2.59
J103-01181	3	33	61	1.43	J103-02047	5.2	52	86	3.06
J103-01220	3.1	36	65	1.43	J103-02066	5.25	52	86	2.89
J104-01250	1/8	36	65	1.43	J103-02087	5.3	52	86	2.89
J103-01260	3.2	36	65	1.43	J103-02126	5.4	57	93	2.89
J103-01279	3.25	36	65	1.52	J103-02165	5.5	57	93	2.89
J103-01299	3.3	36	65	1.49	J104-02188	7/32	57	93	3.00
J103-01339	3.4	39	70	1.49	J103-02205	5.6	57	93	3.00
J103-01378	3.5	39	70	1.57	J103-02244	5.7	57	93	3.10
J104-01406	9/64	39	70	1.63	J103-02263	5.75	57	93	2.97
J103-01417	3.6	39	70	1.49	J103-02283	5.8	57	93	2.97
J103-01457	3.7	39	70	1.63	J103-02323	5.9	57	93	2.97
J103-01476	3.75	39	70	1.67	J104-02344	15/64	57	93	2.97
J103-01496	3.8	43	75	1.67	J103-02362	6.0	57	93	3.07
J103-01535	3.9	43	75	1.73	J103-02402	6.1	63	101	3.21
J104-01562	5/32	43	75	1.73	J103-02441	6.2	63	101	3.21
J103-01575	4	43	75	1.79	J103-02460	6.25	63	101	3.38
J103-01614	4.1	43	75	1.87	J103-02480	6.3	63	101	3.21
J103-01654	4.2	43	75	1.43	J104-02500	1/4	63	101	3.33
J103-01673	4.25	43	75	1.87	J103-02520	6.4	63	101	3.45
J103-01693	4.3	47	80	1.99	J103-02559	6.5	63	101	3.45
J104-01719	11/64	47	80	2.02	J103-02598	6.6	63	101	3.77
J103-01732	4.4	47	80	1.99	J103-02638	6.7	63	101	3.77
J103-01772	4.5	47	80	1.99	J104-02656	17/64	69	109	3.77
J103-01811	4.6	47	80	2.14	J103-02657	6.75	69	109	3.97
J103-01850	4.7	47	80	2.14	J103-02677	6.8	69	109	3.83

CAPITAL

CUTTING TOOLS

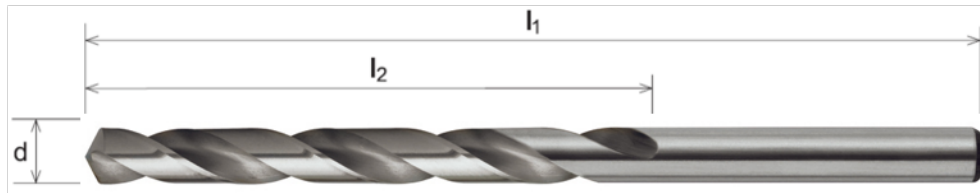


JOBBER DRILLS (BULK) BRIGHT FINISH

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
J103-02717	6.9	69	109	4.00	J104-03594	23/64	81	125	6.39
J103-02756	7.0	69	109	4.03	J103-03622	9.2	81	125	6.80
J103-02795	7.1	69	109	4.03	J103-03641	9.25	81	125	7.35
J104-02812	9/32	69	109	4.23	J103-03661	9.3	81	125	6.80
J103-02835	7.2	69	109	4.32	J103-03701	9.4	81	125	6.80
J103-02854	7.25	69	109	4.59	J103-03740	9.5	81	125	6.80
J103-02874	7.3	69	109	4.32	J104-03750	3/8	87	133	6.80
J103-02913	7.4	69	109	4.32	J103-03780	9.6	87	133	7.19
J103-02953	7.5	69	109	4.58	J103-03819	9.7	87	133	7.19
J104-02969	19/64	75	117	4.58	J103-03838	9.75	87	133	7.68
J103-02992	7.6	75	117	4.71	J103-03858	9.8	87	133	7.25
J103-03032	7.7	75	117	4.93	J103-03898	9.9	87	133	7.25
J103-03051	7.75	75	117	5.22	J104-03906	25/64	87	133	7.25
J103-03071	7.8	75	117	4.93	J103-03937	10.0	87	133	7.30
J103-03110	7.9	75	117	4.93	J103-03976	10.1	87	133	11.13
J104-03125	5/16	75	117	4.94	J103-04016	10.2	87	133	8.12
J103-03150	8.0	75	117	4.93	J103-04035	10.25	87	133	11.13
J103-03189	8.1	75	117	5.37	J103-04055	10.3	87	133	11.13
J103-03228	8.2	75	117	5.37	J104-04062	13/32	87	133	8.12
J103-03258	8.25	75	117	5.63	J103-04094	10.4	87	133	11.80
J103-03268	8.3	75	117	5.37	J103-04134	10.5	87	133	8.27
J104-03281	21/64	75	117	5.37	J103-04173	10.6	87	133	12.38
J103-03307	8.4	75	117	5.44	J103-04213	10.7	94	142	12.38
J103-03346	8.5	75	117	5.60	J104-04219	27/64	94	142	9.05
J103-03386	8.6	81	125	5.87	J103-04232	10.75	94	142	13.66
J103-03425	8.7	81	125	5.87	J103-04252	10.8	94	142	13.66
J104-03438	11/32	81	125	5.87	J103-04291	10.9	94	142	13.66
J103-03444	8.75	81	125	6.36	J103-04331	11.0	94	142	9.57
J103-03465	8.8	81	125	6.14	J103-04370	11.1	94	142	14.89
J103-03504	8.9	81	125	6.14	J104-04375	7/16	94	142	10.10
J103-03543	9.0	81	125	6.14	J103-04409	11.2	94	142	15.51
J103-03583	9.1	81	125	6.39	J103-04429	11.25	94	142	15.51

CAPITAL

CUTTING TOOLS



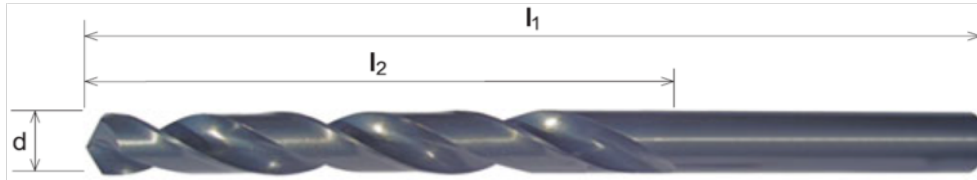
JOBBER DRILLS (BULK) BRIGHT FINISH

Code	Size	l ₂	l ₁	\$ ea.
J103-04449	11.3	94	142	15.51
J103-04488	11.4	94	142	15.38
J103-04528	11.5	94	142	10.68
J104-04531	29/64	94	142	10.68
J103-04567	11.6	94	142	16.74
J103-04606	11.7	94	142	16.74
J103-04625	11.75	94	142	16.74
J103-04646	11.8	94	142	16.74
J103-04685	11.9	101	151	15.89
J104-04688	15/32	101	151	12.06
J103-04724	12.0	101	151	12.20
J103-04764	12.1	101	151	18.61
J103-04803	12.2	101	151	18.61

Code	Size	l ₂	l ₁	\$ ea.
J103-04822	12.25	101	151	19.34
J103-04843	12.3	101	151	18.61
J104-04844	31/64	101	151	12.79
J103-04882	12.4	101	151	19.27
J103-04924	12.5	101	151	13.40
J103-04961	12.6	101	151	19.27
J103-04987	12.7	101	151	19.88
J104-05000	1/2	101	151	13.41
J103-05019	12.75	101	151	19.88
J103-05039	12.8	101	151	19.88
J103-05079	12.9	101	151	19.88
J103-05118	13.0	101	151	14.40
J104-05157	33/64	101	151	30.89

CAPITAL

CUTTING TOOLS

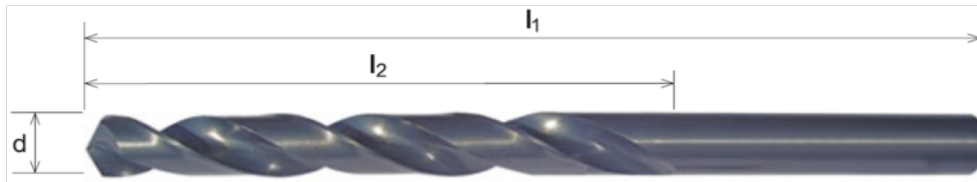


JOBBER DRILLS (SINGLE HANG PACK)

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
JS13-00156	1/64	5	20	7.51	JS13-00492	1.25	16	38	3.95
JS13-00157	0.4	5	20	5.68	JS13-00512	1.3	16	38	2.91
JS13-00165	0.42	5	20	7.52	JS13-00531	1.35	18	40	4.02
JS13-00177	0.45	5	20	5.68	JS13-00551	1.4	18	40	3.26
JS13-00189	0.48	5	20	7.52	JS13-00571	1.45	18	40	3.26
JS13-00197	0.5	6	22	5.68	JS13-00591	1.5	18	40	2.71
JS13-00205	0.52	6	22	7.52	JS13-00610	1.55	20	43	3.27
JS13-00217	0.55	7	24	5.68	JS14-00625	1/16	20	43	2.73
JS13-00228	0.58	7	24	7.52	JS13-00630	1.6	20	43	2.70
JS13-00236	0.6	7	24	5.68	JS13-00650	1.65	20	43	3.27
JS13-00244	0.62	8	26	7.56	JS13-00669	1.7	20	43	2.60
JS13-00256	0.65	8	26	5.68	JS13-00689	1.75	22	46	3.26
JS13-00268	0.68	9	28	7.04	JS13-00709	1.8	22	46	2.54
JS13-00276	0.7	9	28	5.68	JS13-00728	1.85	22	46	3.27
JS13-00283	0.72	9	28	6.05	JS13-00748	1.9	22	46	2.54
JS13-00295	0.75	9	28	5.68	JS13-00768	1.95	24	49	3.27
JS13-00307	0.78	10	30	5.68	JS14-00781	5/64	24	49	2.54
JS14-00312	1/32	10	30	4.26	JS13-00787	2.0	24	49	2.54
JS13-00315	0.8	10	30	4.00	JS13-00807	2.05	24	49	2.91
JS13-00323	0.82	10	30	5.67	JS13-00827	2.1	24	49	2.54
JS13-00335	0.85	10	30	4.00	JS13-00846	2.15	27	53	2.91
JS13-00346	0.88	11	32	5.68	JS13-00866	2.2	27	53	2.54
JS13-00354	0.9	11	32	4.00	JS13-00886	2.25	27	53	2.91
JS13-00362	0.92	11	32	5.68	JS13-00906	2.3	27	53	2.54
JS13-00374	0.95	11	32	4.00	JS13-00925	2.35	27	53	2.91
JS13-00386	0.98	12	34	5.68	JS14-00938	3/32	30	57	2.54
JS13-00394	1.0	12	34	2.87	JS13-00945	2.4	30	57	2.54
JS13-00413	1.05	12	34	3.95	JS13-00965	2.45	30	57	2.91
JS13-00433	1.1	14	36	2.87	JS13-00984	2.5	30	57	2.54
JS13-00453	1.15	14	36	3.95	JS13-01004	2.55	30	57	2.91
JS14-00469	3/64	16	38	2.87	JS13-01024	2.6	30	57	2.54
JS13-00472	1.2	16	38	2.87	JS13-01043	2.65	30	57	2.91

CAPITAL

CUTTING TOOLS

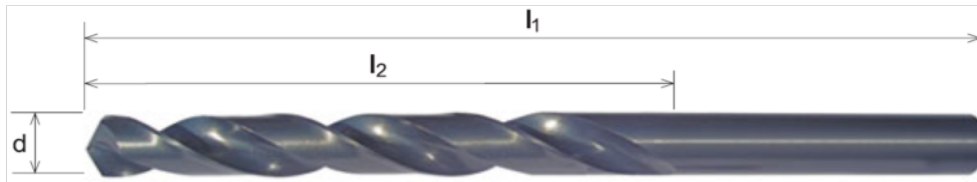


JOBBER DRILLS (SINGLE HANG PACK)

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
JS13-01063	2.7	33	61	2.42	JS13-01870	4.75	47	80	3.46
JS13-01083	2.75	33	61	2.54	JS13-01875	3/16	52	86	3.46
JS14-01094	7/64	33	61	2.42	JS13-01890	4.8	52	86	3.56
JS13-01102	2.8	33	61	2.42	JS13-01929	4.9	52	86	3.56
JS13-01122	2.85	33	61	2.57	JS13-01968	5.0	52	86	3.69
JS13-01142	2.9	33	61	2.42	JS13-02008	5.1	52	86	3.69
JS13-01161	2.95	33	61	2.57	JS14-02031	13/64	52	86	3.95
JS13-01181	3.0	33	61	2.50	JS13-02047	5.2	52	86	4.29
JS13-01220	3.1	36	65	2.50	JS13-02066	5.25	52	86	4.10
JS14-01250	1/8	36	65	2.50	JS13-02087	5.3	52	86	4.10
JS13-01260	3.2	36	65	2.74	JS13-02126	5.4	57	93	4.10
JS13-01279	3.25	36	65	2.70	JS13-02165	5.5	57	93	4.10
JS13-01299	3.3	36	65	2.70	JS14-02188	7/32	57	93	4.22
JS13-01339	3.4	39	70	2.70	JS13-02205	5.6	57	93	4.22
JS13-01378	3.5	39	70	2.78	JS13-02244	5.7	57	93	4.32
JS14-01406	9/64	39	70	2.84	JS13-02263	5.75	57	93	4.18
JS13-01417	3.6	39	70	2.70	JS13-02283	5.8	57	93	4.18
JS13-01457	3.7	39	70	2.84	JS13-02323	5.9	57	93	4.18
JS13-01476	3.75	39	70	2.84	JS14-02344	15/64	57	93	4.18
JS13-01496	3.8	43	75	2.84	JS13-02362	6.0	57	93	4.30
JS13-01535	3.9	43	75	2.96	JS13-02402	6.1	63	101	4.42
JS14-01562	5/32	43	75	2.96	JS13-02441	6.2	63	101	4.42
JS13-01575	4.0	43	75	3.01	JS13-02460	6.25	63	101	4.76
JS13-01614	4.1	43	75	3.08	JS13-02480	6.3	63	101	4.59
JS13-01654	4.2	43	75	3.23	JS14-02500	1/4	63	101	4.71
JS13-01673	4.25	43	75	3.08	JS13-02520	6.4	63	101	4.84
JS13-01693	4.3	47	80	3.21	JS13-02559	6.5	63	101	4.84
JS14-01719	11/64	47	80	3.24	JS13-02598	6.6	63	101	5.15
JS13-01732	4.4	47	80	3.21	JS13-02638	6.7	63	101	5.15
JS13-01772	4.5	47	80	3.21	JS14-02656	17/64	69	109	5.15
JS13-01811	4.6	47	80	3.36	JS13-02657	6.75	69	109	5.35
JS13-01850	4.7	47	80	3.36	JS13-02677	6.8	69	109	5.21

CAPITAL

CUTTING TOOLS

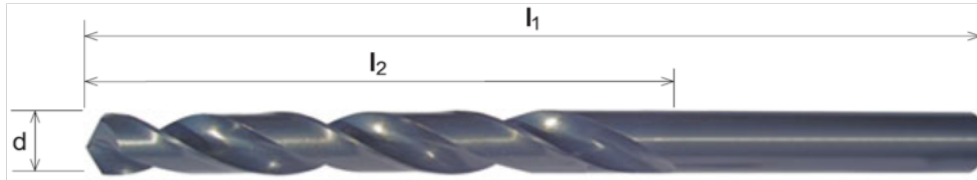


JOBBER DRILLS (SINGLE HANG PACK)

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
JS13-02717	6.9	69	109	5.38	JS14-03594	23/64	81	125	7.76
JS13-02756	7.0	69	109	5.41	JS13-03622	9.2	81	125	8.18
JS13-02795	7.1	69	109	5.41	JS13-03641	9.25	81	125	8.72
JS14-02812	9/32	69	109	5.61	JS13-03661	9.3	81	125	8.18
JS13-02835	7.2	69	109	5.70	JS13-03701	9.4	81	125	8.18
JS13-02854	7.25	69	109	5.97	JS13-03740	9.5	81	125	8.18
JS13-02874	7.3	69	109	5.70	JS14-03750	3/8	87	133	8.18
JS13-02913	7.4	69	109	5.70	JS13-03780	9.6	87	133	8.58
JS13-02953	7.5	69	109	5.95	JS13-03819	9.7	87	133	8.58
JS14-02969	19/64	75	117	5.95	JS13-03838	9.75	87	133	9.05
JS13-02992	7.6	75	117	5.95	JS13-03858	9.8	87	133	8.64
JS13-03032	7.7	75	117	6.31	JS13-03898	9.9	87	133	8.64
JS13-03051	7.75	75	117	6.60	JS14-03906	25/64	87	133	8.64
JS13-03071	7.8	75	117	6.31	JS13-03937	10.0	87	133	8.68
JS13-03110	7.9	75	117	6.31	JS13-03976	10.1	87	133	12.51
JS14-03125	5/16	75	117	6.33	JS13-04016	10.2	87	133	9.50
JS13-03150	8.0	75	117	6.31	JS13-04035	10.25	87	133	12.51
JS13-03189	8.1	75	117	6.74	JS13-04055	10.3	87	133	12.51
JS13-03228	8.2	75	117	6.74	JS14-04062	13/32	87	133	9.50
JS13-03258	8.25	75	117	7.00	JS13-04094	10.4	87	133	13.19
JS13-03268	8.3	75	117	6.74	JS13-04134	10.5	87	133	9.66
JS14-03281	21/64	75	117	6.74	JS13-04173	10.6	87	133	13.76
JS13-03307	8.4	75	117	6.83	JS13-04213	10.7	94	142	13.76
JS13-03346	8.5	75	117	6.97	JS14-04219	27/64	94	142	10.43
JS13-03386	8.6	81	125	7.25	JS13-04232	10.75	94	142	15.04
JS13-03425	8.7	81	125	7.25	JS13-04252	10.8	94	142	15.04
JS14-03438	11/32	81	125	7.25	JS13-04291	10.9	94	142	15.04
JS13-03444	8.75	81	125	7.73	JS13-04331	11.0	94	142	10.95
JS13-03465	8.8	81	125	7.52	JS13-04370	11.1	94	142	16.27
JS13-03504	8.9	81	125	7.52	JS14-04375	7/16	94	142	11.15
JS13-03543	9.0	81	125	7.52	JS13-04409	11.2	94	142	16.89
JS13-03583	9.1	81	125	7.76	JS13-04429	11.25	94	142	16.89

CAPITAL

CUTTING TOOLS



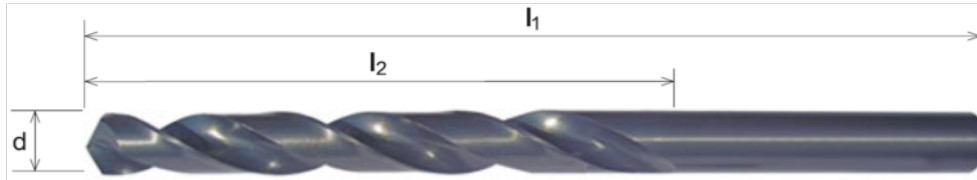
JOBBER DRILLS (SINGLE HANG PACK)

Code	Size	l ₂	l ₁	\$ ea.
JS13-04449	11.3	94	142	16.89
JS13-04488	11.4	94	142	16.76
JS13-04528	11.5	94	142	12.05
JS14-04531	29/64	94	142	12.05
JS13-04567	11.6	94	142	18.12
JS13-04606	11.7	94	142	18.12
JS13-04625	11.75	94	142	18.12
JS13-04646	11.8	94	142	18.12
JS13-04685	11.9	101	151	17.27
JS14-04688	15/32	101	151	13.44
JS13-04724	12.0	101	151	13.57
JS13-04764	12.1	101	151	20.00
JS13-04803	12.2	101	151	20.00

Code	Size	l ₂	l ₁	\$ ea.
JS13-04822	12.25	101	151	20.73
JS13-04843	12.3	101	151	20.00
JS14-04844	31/64	101	151	14.18
JS13-04882	12.4	101	151	20.65
JS13-04924	12.5	101	151	14.78
JS13-04961	12.6	101	151	20.65
JS13-05000	12.7	101	151	21.26
JS14-05000	1/2	101	151	14.79
JS13-05019	12.75	101	151	21.94
JS13-05039	12.8	101	151	21.94
JS13-05079	12.9	101	151	21.94
JS13-05118	13.0	101	151	15.78

CAPITAL

CUTTING TOOLS



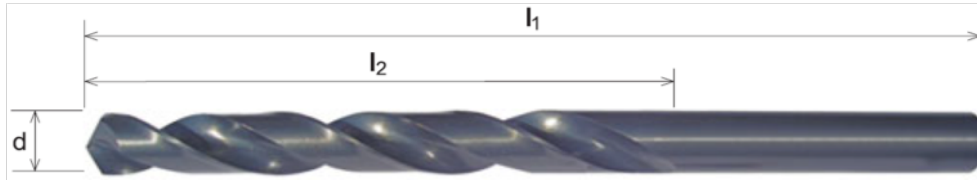
LEFT HAND JOBBER DRILLS (BULK)

Code	Size	l ₂	l ₁	\$ ea.
LHJ-00394	1.0	12	34	7.88
LHJ-00433	1.1	14	36	8.50
LHJ-00469	3/64	16	38	9.97
LHJ-00472	1.2	16	38	8.50
LHJ-00512	1.3	16	38	8.50
LHJ-00551	1.4	18	40	8.50
LHJ-00591	1.5	18	40	6.69
LHJ-00625	1/16	20	43	6.69
LHJ-00630	1.6	20	43	8.50
LHJ-00669	1.7	20	43	8.50
LHJ-00709	1.8	22	46	8.50
LHJ-00748	1.9	22	46	8.50
LHJ-00781	5/64	24	49	8.77
LHJ-00787	2.0	24	49	6.69
LHJ-00827	2.1	24	49	6.69
LHJ-00866	2.2	27	53	6.69
LHJ-00906	2.3	27	53	6.69
LHJ-00938	3/32	30	57	8.77
LHJ-00945	2.4	30	57	6.69
LHJ-00984	2.5	30	57	6.69
LHJ-01024	2.6	30	57	6.69
LHJ-01063	2.7	33	61	6.69
LHJ-01094	7/64	33	61	8.77
LHJ-01102	2.8	33	61	6.69
LHJ-01142	2.9	33	61	6.69
LHJ-01181	3.0	33	61	6.69
LHJ-01220	3.1	36	65	8.50
LHJ-01250	1/8	36	65	8.77
LHJ-01260	3.2	36	65	8.50
LHJ-01299	3.3	36	65	8.50
LHJ-01339	3.4	39	70	8.50
LHJ-01378	3.5	39	70	8.02

Code	Size	l ₂	l ₁	\$ ea.
LHJ-01406	9/64	39	70	9.97
LHJ-01417	3.6	39	70	8.50
LHJ-01457	3.7	39	70	8.50
LHJ-01496	3.8	43	75	8.50
LHJ-01535	3.9	43	75	8.50
LHJ-01562	5/32	43	75	8.50
LHJ-01575	4.0	43	75	7.23
LHJ-01614	4.1	43	75	8.50
LHJ-01654	4.2	43	75	8.50
LHJ-01693	4.3	47	80	8.50
LHJ-01719	11/64	47	80	9.97
LHJ-01732	4.4	47	80	8.50
LHJ-01772	4.5	47	80	8.50
LHJ-01811	4.6	47	80	11.83
LHJ-01850	4.7	47	80	11.83
LHJ-01875	3/16	52	86	13.32
LHJ-01890	4.8	52	86	11.83
LHJ-01929	4.9	52	86	11.83
LHJ-01968	5.0	52	86	9.97
LHJ-02008	5.1	52	86	12.37
LHJ-02031	13/64	52	86	15.12
LHJ-02047	5.2	52	86	12.37
LHJ-02087	5.3	52	86	12.37
LHJ-02126	5.4	57	93	12.37
LHJ-02165	5.5	57	93	11.83
LHJ-02188	7/32	57	93	16.88
LHJ-02205	5.6	57	93	14.19
LHJ-02244	5.7	57	93	14.19
LHJ-02283	5.8	57	93	14.19
LHJ-02323	5.9	57	93	14.19
LHJ-02344	15/64	57	93	16.94
LHJ-02362	6.0	57	93	11.83

CAPITAL

CUTTING TOOLS



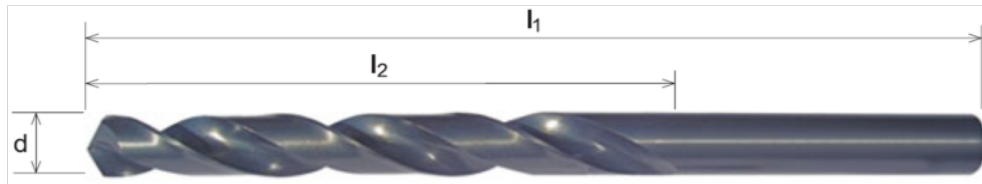
LEFT HAND JOBBER DRILLS (BULK)

Code	Size	l ₂	l ₁	\$ ea.
LHJ-02402	6.1	63	101	15.99
LHJ-02441	6.2	63	101	15.99
LHJ-02480	6.3	63	101	15.99
LHJ-02500	1/4	63	101	18.29
LHJ-02520	6.4	63	101	15.99
LHJ-02559	6.5	63	101	14.19
LHJ-02598	6.6	63	101	17.53
LHJ-02638	6.7	63	101	17.53
LHJ-02656	17/64	69	109	21.59
LHJ-02677	6.8	69	109	17.53
LHJ-02717	6.9	69	109	17.53
LHJ-02756	7.0	69	109	14.17
LHJ-02795	7.1	69	109	18.74
LHJ-02812	9/32	69	109	21.37
LHJ-02835	7.2	69	109	18.74
LHJ-02874	7.3	69	109	18.74
LHJ-02913	7.4	69	109	18.74
LHJ-02953	7.5	69	109	17.53
LHJ-02969	19/64	75	117	25.91
LHJ-02992	7.6	75	117	23.23
LHJ-03032	7.7	75	117	23.23
LHJ-03071	7.8	75	117	23.23
LHJ-03110	7.9	75	117	23.23
LHJ-03125	5/16	75	117	26.62
LHJ-03150	8.0	75	117	20.10
LHJ-03189	8.1	75	117	27.17
LHJ-03228	8.2	75	117	27.17
LHJ-03268	8.3	75	117	27.17
LHJ-03281	21/64	75	117	31.94
LHJ-03307	8.4	75	117	27.17
LHJ-03346	8.5	75	117	23.23
LHJ-03386	8.6	81	125	36.48

Code	Size	l ₂	l ₁	\$ ea.
LHJ-03425	8.7	81	125	36.48
LHJ-03438	11/32	81	125	41.42
LHJ-03465	8.8	81	125	36.48
LHJ-03504	8.9	81	125	36.48
LHJ-03543	9.0	81	125	27.17
LHJ-03583	9.1	81	125	39.11
LHJ-03594	23/64	81	125	45.64
LHJ-03622	9.2	81	125	39.11
LHJ-03661	9.3	81	125	39.11
LHJ-03701	9.4	81	125	39.11
LHJ-03740	9.5	81	125	29.80
LHJ-03750	3/8	87	133	45.64
LHJ-03780	9.6	87	133	42.41
LHJ-03819	9.7	87	133	42.41
LHJ-03858	9.8	87	133	42.41
LHJ-03898	9.9	87	133	42.41
LHJ-03906	25/64	87	133	54.68
LHJ-03937	10.0	87	133	29.80
LHJ-03976	10.1	87	133	42.41
LHJ-04016	10.2	87	133	42.41
LHJ-04055	10.3	87	133	42.41
LHJ-04062	13/32	87	133	54.68
LHJ-04094	10.4	87	133	42.41
LHJ-04134	10.5	87	133	39.11
LHJ-04173	10.6	87	133	50.61
LHJ-04213	10.7	94	142	50.61
LHJ-04219	27/64	94	142	64.38
LHJ-04252	10.8	94	142	50.61
LHJ-04291	10.9	94	142	50.61
LHJ-04331	11.0	94	142	42.41
LHJ-04370	11.1	94	142	57.81
LHJ-04375	7/16	94	142	54.68

CAPITAL

CUTTING TOOLS



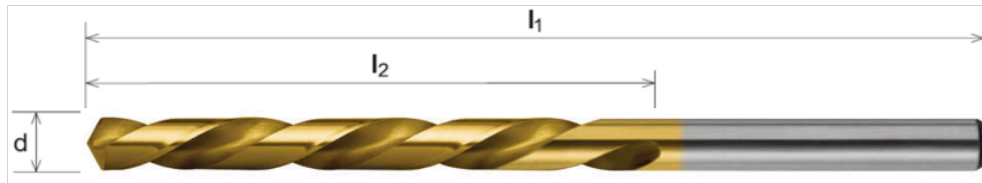
LEFT HAND JOBBER DRILLS (BULK)

Code	Size	l ₂	l ₁	\$ ea.
LHJ-04409	11.2	94	142	57.81
LHJ-04449	11.3	94	142	57.81
LHJ-04488	11.4	94	142	57.81
LHJ-04528	11.5	94	142	50.61
LHJ-04531	29/64	94	142	64.38
LHJ-04567	11.6	94	142	57.81
LHJ-04606	11.7	94	142	57.81
LHJ-04646	11.8	94	142	57.81
LHJ-04685	11.9	101	151	57.81
LHJ-04688	15/32	101	151	64.38
LHJ-04724	12.0	101	151	50.61
LHJ-04764	12.1	101	151	65.45

Code	Size	l ₂	l ₁	\$ ea.
LHJ-04803	12.2	101	151	65.45
LHJ-04843	12.3	101	151	65.45
LHJ-04844	31/64	101	151	71.76
LHJ-04882	12.4	101	151	65.45
LHJ-04924	12.5	101	151	59.93
LHJ-04961	12.6	101	151	65.45
LHJ-05000	12.7	101	151	65.45
LHJ-05000	1/2	101	151	68.48
LHJ-05039	12.8	101	151	65.45
LHJ-05079	12.9	101	151	65.45
LHJ-05118	13.0	101	151	71.76

CAPITAL

CUTTING TOOLS

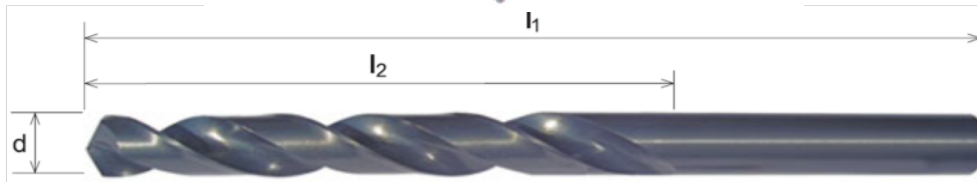


TiNITE COATED JOBBER DRILLS (BULK)

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
J105-00394	1.0	12	34	4.47	J106-02812	9/32	69	109	10.38
J105-00591	1.5	18	40	4.68	J105-02953	7.5	69	109	9.88
J106-00625	1/16	20	43	4.78	J106-02969	19/64	75	117	10.72
J106-00781	5/64	24	49	4.98	J106-03125	5/16	75	117	11.13
J105-00787	2.0	24	49	4.78	J105-03150	8.0	75	117	10.60
J106-00938	3/32	30	57	5.21	J106-03281	21/64	75	117	11.42
J105-00984	2.5	30	57	5.24	J105-03346	8.5	75	117	11.13
J106-01094	7/64	33	61	5.40	J106-03438	11/32	81	125	11.80
J105-01181	3.0	33	61	5.35	J105-03543	9.0	81	125	11.73
J106-01250	1/8	36	65	5.55	J106-03594	23/64	81	125	12.17
J105-01378	3.5	39	70	5.40	J105-03740	9.5	81	125	12.59
J106-01406	9/64	39	70	6.27	J106-03750	3/8	87	133	12.90
J106-01562	5/32	43	75	6.62	J106-03906	25/64	87	133	13.52
J106-01575	4.0	43	75	5.55	J105-03937	10.0	87	133	13.36
J106-01719	11/64	47	80	6.84	J106-04062	13/32	87	133	13.60
J105-01772	4.5	47	80	6.27	J105-04134	10.5	87	133	13.83
J106-01875	3/16	52	86	7.07	J106-04219	27/64	94	142	13.83
J105-01968	5.0	52	86	7.04	J105-04331	11.0	94	142	14.78
J106-02031	13/64	52	86	8.27	J106-04375	7/16	94	142	14.73
J105-02165	5.5	57	93	7.62	J105-04528	11.5	94	142	15.34
J106-02188	7/32	57	93	9.10	J106-04531	29/64	94	142	15.34
J106-02344	15/64	57	93	9.61	J106-04688	15/32	101	151	15.80
J105-02362	6.0	57	93	8.26	J105-04724	12.0	101	151	16.23
J106-02500	1/4	63	101	9.85	J106-04844	31/64	101	151	16.91
J105-02559	6.5	63	101	9.10	J105-04924	12.5	101	151	16.84
J106-02656	17/64	69	109	10.06	J106-05000	1/2	101	151	17.46
J105-02756	7.0	69	109	9.41	J105-05118	13.0	101	151	17.89

CAPITAL

CUTTING TOOLS

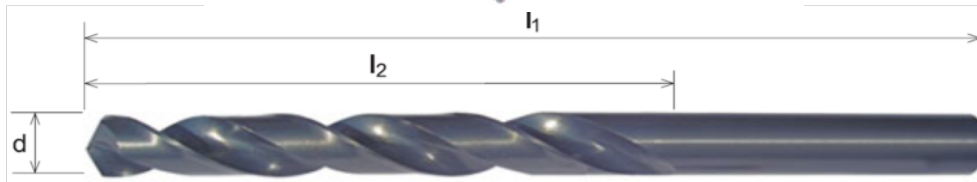


LETTER GAUGE JOBBER DRILLS

Code	Letter	l ₂	l ₁	\$ ea.	Code	Letter	l ₂	l ₁	\$ ea.
J109-02340	A	57	93	8.36	J109-03000	N	75	117	12.62
J109-02380	B	57	93	8.61	J109-03160	O	75	117	12.62
J109-02420	C	63	101	8.85	J109-03230	P	75	117	13.50
J109-02460	D	63	101	9.53	J109-03320	Q	75	117	13.67
J109-02500	E	63	101	9.19	J109-03390	R	81	125	14.48
J109-02570	F	63	101	9.66	J109-03480	S	81	125	15.04
J109-02610	G	63	101	10.30	J109-03580	T	81	125	15.53
J109-02660	H	63	101	10.71	J109-03680	U	81	125	16.35
J109-02720	I	69	109	10.75	J109-03770	V	81	125	16.48
J109-02770	J	69	109	10.82	J109-03860	W	87	133	16.74
J109-02810	K	69	109	10.82	J109-03970	X	87	133	16.86
J109-02900	L	69	109	11.40	J109-04040	Y	87	133	16.94
J109-02950	M	69	109	11.91	J109-04130	Z	87	133	17.10

CAPITAL

CUTTING TOOLS

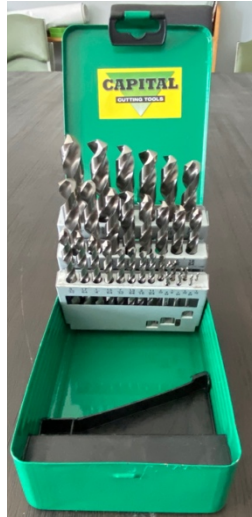


NUMBER GAUGE JOBBER DRILLS

Code	Number	l ₂	l ₁	\$ ea.	Code	Number	l ₂	l ₁	\$ ea.
J110-02280	1	57	93	4.38	J110-01200	31	36	65	5.35
J110-02210	2	57	93	4.38	J110-01160	32	33	61	5.35
J110-02130	3	57	93	4.38	J110-01130	33	33	61	5.35
J110-02090	4	52	86	4.38	J110-01110	34	33	61	5.35
J110-02055	5	52	86	4.38	J110-01100	35	33	61	5.35
J110-02040	6	52	86	4.38	J110-01065	36	33	61	5.35
J110-02010	7	52	86	4.38	J110-01040	37	30	57	5.35
J110-01990	8	52	86	4.38	J110-01015	38	30	57	5.35
J110-01960	9	52	86	4.38	J110-00995	39	30	57	5.35
J110-01935	10	52	86	4.38	J110-00980	40	30	57	5.35
J110-01910	11	52	86	4.88	J110-00960	41	30	57	5.96
J110-01890	12	52	86	4.88	J110-00935	42	27	53	5.96
J110-01850	13	47	80	4.88	J110-00890	43	27	53	5.96
J110-01820	14	47	80	4.88	J110-00860	44	27	53	5.96
J110-01800	15	47	80	4.88	J110-00820	45	24	49	5.96
J110-01770	16	47	80	4.88	J110-00810	46	24	49	5.96
J110-01730	17	47	80	4.88	J110-00785	47	24	49	5.96
J110-01695	18	47	80	4.88	J110-00760	48	24	49	5.96
J110-01660	19	43	75	4.88	J110-00730	49	22	46	5.96
J110-01610	20	43	75	4.88	J110-00700	50	22	46	5.96
J110-01590	21	43	75	5.03	J110-00670	51	20	43	7.17
J110-01570	22	43	75	5.03	J110-00635	52	20	43	7.17
J110-01540	23	43	75	5.03	J110-00595	53	18	40	7.17
J110-01520	24	43	75	5.03	J110-00550	54	18	40	7.17
J110-01495	25	43	75	5.03	J110-00520	55	18	40	7.17
J110-01470	26	39	70	5.03	J110-00465	56	16	38	7.17
J110-01440	27	39	70	5.03	J110-00430	57	14	36	7.17
J110-01405	28	39	70	5.03	J110-00420	58	12	34	7.17
J110-01360	29	39	70	5.03	J110-00410	59	12	34	7.17
J110-01285	30	36	65	5.03	J110-00400	60	12	34	7.17

CAPITAL

CUTTING TOOLS



METAL CASE DRILL SETS (HSS)

Code	Set No.	No. of Drills	Drill Sizes	\$ ea.
JDS-100	CM-1	25	1mm – 13mm in 0.5mm rises	157.54
JDS-200	CM-2	19	1mm – 10mm in 0.5mm rises	79.23
JDS-300	CM-3	29	1/16 – 1/2 in 1/64 rises	173.08
JDS-400	CM-4	21	1/16 – 3/8 in 1/64 rises	80.98

METAL CASE DRILL SETS (COBALT)

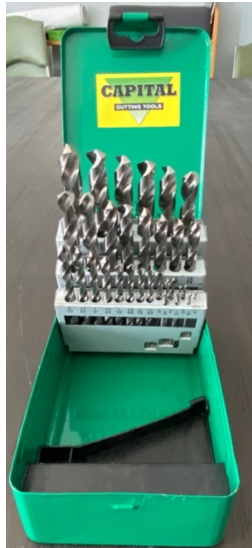
Code	Set No.	No. of Drills	Drill Sizes	\$ ea.
JDS-500	CM-5	25	1mm – 13mm in 0.5mm rises	303.31
JDS-600	CM-6	19	1mm – 10mm in 0.5mm rises	153.84
JDS-700	CM-7	29	1/16 – 1/2 in 1/64 rises	326.05
JDS-800	CM-8	21	1/16 – 3/8 in 1/64 rises	162.85

REFILL SETS (HSS)

Code	Set No.	No. of Drills	Drill Sizes	\$ ea.
JSR-A	RF-1	25	1mm – 13mm in 0.5mm rises	144.64
JSR-B	RF-2	19	1mm – 10mm in 0.5mm rises	66.34
JSR-C	RF-3	29	1/16 – 1/2 in 1/64 rises	160.19
JSR-D	RF-4	21	1/16 – 3/8 in 1/64 rises	68.15

CAPITAL

CUTTING TOOLS



REFILL SETS (COBALT)

Code	Set No.	No. of Drills	Sizes	\$ ea.
JSR-E	RF-5	25	1mm – 13mm in 0.5mm rises	287.82
JSR-F	RF-6	19	1mm – 10mm in 0.5mm rises	138.36
JSR-G	RF-7	29	1/16 – 1/2 in 1/64 rises	309.64
JSR-H	RF-8	21	1/16 – 3/8 in 1/64 rises	153.18

METAL CASE (EMPTY)

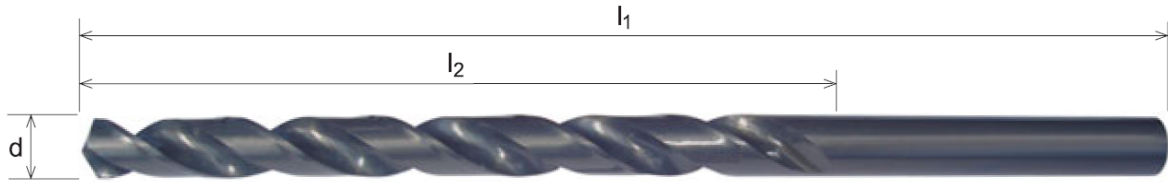
Code	Set No.	No. of Drills	Sizes	\$ ea.
JDE-100	JDE-1	N / A	1mm – 13mm in 0.5mm rises	16.40
JDE-200	JDE-2	N / A	1mm – 10mm in 0.5mm rises	9.67
JDE-300	JDE-3	N / A	1/16 – 1/2 in 1/64 rises	16.40
JDE-400	JDE-4	N / A	1/16 – 3/8 in 1/64 rises	9.67

LEFT HAND COBALT METAL CASE DRILL SETS

Code	Set No.	No. of Drills	Sizes	\$ ea.
LHCJ-100	LHCJ-1	13	1mm – 13mm in 1.0mm rises	208.88
LHCJ-200	LHCJ-2	10	1mm – 10mm in 1.0mm rises	137.86

CAPITAL

CUTTING TOOLS

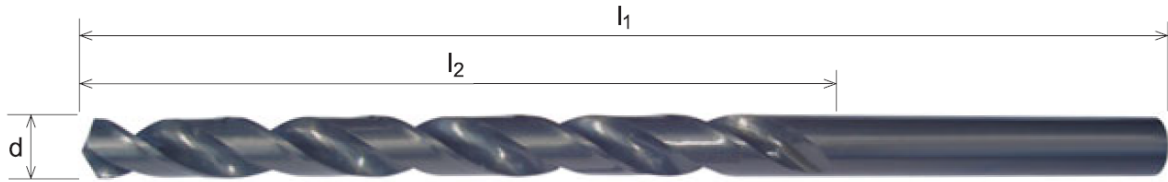


LONG SERIES DRILLS (BULK)

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
J107-00394	1.0	33	56	5.03	J108-01406	9/64	73	112	4.90
J107-00433	1.1	37	60	6.02	J107-01417	3.6	73	112	6.48
J108-00469	3/64	41	65	6.02	J107-01457	3.7	73	112	6.48
J107-00472	1.2	41	65	6.02	J107-01496	3.8	78	119	6.48
J107-00512	1.3	41	65	6.02	J107-01535	3.9	78	119	6.48
J107-00551	1.4	45	70	6.02	J108-01562	5/32	78	119	5.25
J107-00591	1.5	45	70	4.09	J107-01575	4.0	78	119	5.61
J108-00625	1/16	50	76	5.75	J107-01614	4.1	78	119	6.72
J107-00630	1.6	50	76	4.91	J107-01654	4.2	78	119	6.72
J107-00669	1.7	50	76	4.91	J107-01693	4.3	82	126	6.72
J107-00709	1.8	53	80	4.91	J108-01719	11/64	82	126	5.61
J107-00748	1.9	53	80	4.91	J107-01732	4.4	82	126	6.72
J108-00781	5/64	56	85	4.14	J107-01772	4.5	82	126	6.92
J107-00787	2.0	56	85	4.94	J107-01811	4.6	82	126	8.30
J107-00827	2.1	56	85	5.95	J107-01850	4.7	82	126	8.30
J107-00866	2.2	59	90	5.95	J108-01875	3/16	87	132	6.92
J107-00906	2.3	59	90	5.95	J107-01890	4.8	87	132	8.30
J108-00938	3/32	62	95	4.15	J107-01929	4.9	87	132	8.30
J107-00945	2.4	62	95	5.95	J107-01968	5.0	87	132	7.45
J107-00984	2.5	62	95	4.94	J107-02008	5.1	87	132	8.96
J107-01024	2.6	62	95	5.95	J108-02031	13/64	87	132	7.45
J107-01063	2.7	66	100	5.95	J107-02047	5.2	87	132	8.96
J108-01094	7/64	66	100	4.15	J107-02087	5.3	87	132	8.96
J107-01102	2.8	66	100	5.95	J107-02126	5.4	91	139	7.74
J107-01142	2.9	66	100	5.95	J107-02165	5.5	91	139	7.74
J107-01181	3.0	66	100	4.94	J108-02188	7/32	91	139	7.74
J107-01220	3.1	69	106	5.38	J107-02205	5.6	91	139	9.29
J108-01250	1/8	69	106	4.67	J107-02244	5.7	91	139	9.29
J107-01260	3.2	69	106	5.38	J107-02283	5.8	91	139	9.29
J107-01299	3.3	69	106	5.38	J107-02323	5.9	91	139	9.29
J107-01339	3.4	73	112	5.38	J108-02344	15/64	91	139	8.01
J107-01378	3.5	73	112	5.38	J107-02362	6.0	91	139	8.29

CAPITAL

CUTTING TOOLS



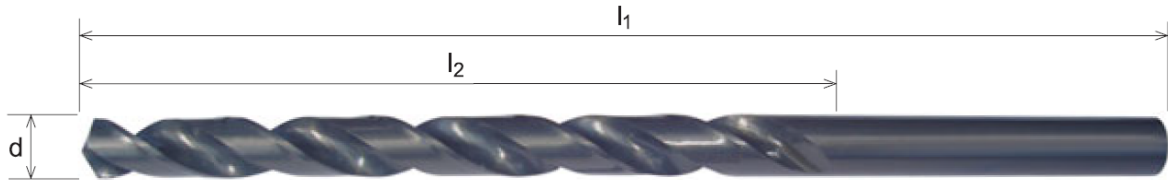
LONG SERIES DRILLS (BULK)

Code	Size	l ₂	l ₁	\$ ea.
J107-02402	6.1	97	148	9.96
J107-02441	6.2	97	148	9.96
J107-02480	6.3	97	148	9.96
J108-02500	1/4	97	148	8.99
J107-02520	6.4	97	148	9.96
J107-02559	6.5	97	148	12.04
J107-02598	6.6	97	148	13.98
J107-02638	6.7	97	148	13.98
J108-02656	17/64	102	156	12.04
J107-02677	6.8	102	156	13.98
J107-02717	6.9	102	156	13.98
J107-02756	7.0	102	156	12.04
J107-02795	7.1	102	156	14.45
J108-02812	9/32	102	156	11.76
J107-02835	7.2	102	156	17.35
J107-02874	7.3	102	156	17.35
J107-02913	7.4	102	156	17.35
J107-02953	7.5	102	156	12.99
J108-02969	19/64	109	165	12.99
J107-02992	7.6	109	165	15.60
J107-03032	7.7	109	165	14.08
J107-03071	7.8	109	165	15.60
J107-03110	7.9	109	165	15.60
J108-03125	5/16	109	165	13.52
J107-03150	8.0	109	165	14.95
J107-03189	8.1	109	165	17.90
J107-03228	8.2	109	165	17.90
J107-03268	8.3	109	165	17.90
J108-03281	21/64	109	165	14.93
J107-03307	8.4	109	165	17.90
J107-03346	8.5	109	165	14.93
J107-03386	8.6	115	175	17.90

Code	Size	l ₂	l ₁	\$ ea.
J107-03425	8.7	115	175	17.90
J108-03438	11/32	115	175	16.87
J107-03465	8.8	115	175	17.90
J107-03504	8.9	115	175	17.90
J107-03543	9.0	115	175	17.23
J107-03583	9.1	115	175	20.73
J108-03594	23/64	115	175	17.23
J107-03622	9.2	115	175	20.73
J107-03661	9.3	115	175	20.73
J107-03701	9.4	115	175	20.73
J107-03740	9.5	115	175	18.14
J108-03750	3/8	121	184	17.69
J107-03780	9.6	121	184	21.75
J107-03819	9.7	121	184	21.75
J107-03858	9.8	121	184	21.75
J107-03898	9.9	121	184	21.75
J108-03906	25/64	121	184	18.66
J107-03937	10.0	121	184	18.66
J107-03976	10.1	121	184	21.43
J107-04016	10.2	121	184	26.13
J107-04055	10.3	121	184	26.13
J108-04062	13/32	121	184	21.43
J107-04094	10.4	121	184	26.13
J107-04134	10.5	121	184	21.43
J107-04173	10.6	121	184	30.46
J107-04213	10.7	128	195	30.46
J108-04219	27/64	128	195	23.53
J107-04252	10.8	128	195	30.46
J107-04291	10.9	128	195	30.46
J107-04331	11.0	128	195	24.27
J107-04370	11.1	128	195	33.90
J108-04375	7/16	128	195	24.27

CAPITAL

CUTTING TOOLS



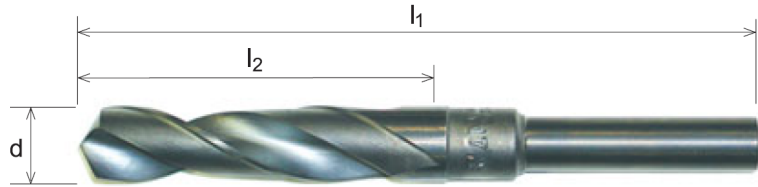
LONG SERIES DRILLS (BULK)

Code	Size	l ₂	l ₁	\$ ea.
J107-04409	11.2	128	195	33.90
J107-04449	11.3	128	195	33.90
J107-04488	11.4	128	195	33.90
J107-04528	11.5	128	195	27.71
J108-04531	29/64	128	195	24.90
J107-04567	11.6	128	195	38.78
J107-04606	11.7	128	195	38.78
J107-04646	11.8	128	195	38.78
J107-04685	11.9	134	205	38.78
J108-04688	15/32	134	205	28.33
J107-04724	12.0	134	205	29.72
J107-04764	12.1	134	205	41.62
J107-04803	12.2	134	205	41.62
J107-04843	12.3	134	205	41.62
J108-04844	31/64	134	205	29.72
J107-04882	12.4	134	205	41.62
J107-04924	12.5	134	205	31.13
J107-04961	12.6	134	205	43.56
J107-05000	12.7	134	205	43.56
J108-05000	1/2	134	205	31.13

Code	Size	l ₂	l ₁	\$ ea.
J107-05039	12.8	134	205	43.56
J107-05079	12.9	134	205	43.56
J107-05118	13.0	134	205	32.48
J108-05156	33/64	140	214	33.12
J108-05312	17/32	140	214	37.56
J107-05512	14.0	140	214	40.47
J108-05625	9/16	144	220	37.87
J107-05906	15.0	144	220	45.99
J107-05937	19/32	149	227	45.99
J108-06250	5/8	149	227	41.97
J107-06299	16.0	149	227	41.97
J107-06693	17.0	154	235	50.48
J107-07087	18.0	158	241	54.75
J107-07480	19.0	162	247	56.18
J107-07874	20.0	166	254	63.69
J107-08267	21.0	171	261	65.12
J107-08661	22.0	176	268	68.85
J107-09055	23.0	180	275	73.80
J107-09448	24.0	185	282	84.24
J107-09842	25.0	185	290	90.73

CAPITAL

CUTTING TOOLS



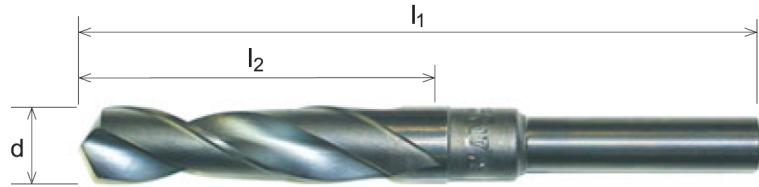
HSS 1/2" REDUCED SHANK DRILLS

Code	Size	l ₂	l ₁	\$ ea.
RDM13	13.0	94	142	25.28
RDI27	17/32	80	152	33.38
RDI28	35/64	80	152	33.38
RDM13.5	13.5	80	152	33.38
RDM14	14.0	80	152	33.38
RDI29	9/16	80	152	33.38
RDM14.5	14.5	80	152	33.38
RDI30	37/64	80	152	33.38
RDM15	15.0	80	152	36.56
RDI31	19/32	80	152	36.56
RDI32	39/64	80	152	36.56
RDM15.5	15.5	80	152	36.56
RDI33	5/8	80	152	36.56
RDI34	41/64	80	152	36.56
RDM16	16.0	80	152	36.56
RDM16.5	16.5	80	152	41.31
RDI35	21/32	80	152	41.31
RDM17	17.0	80	152	41.31
RDI36	43/64	80	152	41.31
RDI37	11/16	80	152	42.11
RDM17.5	17.5	80	152	42.92
RDI38	45/64	80	152	43.27
RDM18	18.0	80	152	42.92
RDI39	23/32	80	152	42.92
RDM18.5	18.5	80	152	44.51
RDI40	47/64	80	152	44.51
RDM19	19.0	80	152	44.51
RDI41	3/4	80	152	44.51
RDI42	49/64	76	152	50.89

Code	Size	l ₂	l ₁	\$ ea.
RDM19.5	19.5	76	152	50.89
RDI43	25/32	76	152	50.89
RDM20	20.0	76	152	50.89
RDI44	51/64	76	152	52.45
RDM20.5	20.5	76	152	54.83
RDI45	13/16	76	152	52.45
RDM21	21.0	76	152	54.83
RDI46	53/64	76	152	54.83
RDI47	27/32	76	152	54.83
RDM21.5	21.5	76	152	54.83
RDI48	55/64	76	152	54.83
RDM22	22.0	76	152	54.83
RDI49	7/8	76	152	54.83
RDM22.5	22.5	76	152	60.39
RDI50	57/64	76	152	60.39
RDM23	23.0	76	152	60.39
RDI51	29/32	76	152	60.39
RDI52	59/64	76	152	63.57
RDM23.5	23.5	76	152	63.57
RDI53	15/16	76	152	63.57
RDM24	24.0	76	152	66.73
RDI54	61/64	76	152	66.73
RDM24.5	24.5	76	152	66.73
RDI55	31/32	76	152	66.73
RDM25	25.0	76	152	66.73
RDI56	63/64	76	152	66.73
RDI57	1"	76	152	66.73
RDM25.5	25.5	76	152	66.73
RDM26	26.0	76	152	92.18

CAPITAL

CUTTING TOOLS



HSS 1/2" REDUCED SHANK DRILLS

Code	Size	l ₂	l ₁	\$ ea.
RDM26.5	26.5	76	152	92.17
RDI60	1.3/64	76	152	92.17
RDI61	1.1/16	76	152	92.18
RDM27	27.0	76	152	92.17
RDI62	1.5/64	76	152	98.54
RDI63	1.3/32	76	152	98.54
RDM28	28.0	76	152	98.53
RDI64	1.7/64	76	152	98.54
RDM28.5	28.5	76	152	98.53
RDI65	1.1/8	76	152	98.53
RDI66	1.9/64	76	152	103.29
RDM29	29.0	76	152	98.53
RDI67	1.5/32	76	152	103.29
RDM30	30.0	76	152	103.29
RDI69	1.3/16	76	152	103.29
RDI70	1.7/32	76	152	114.41

Code	Size	l ₂	l ₁	\$ ea.
RDM31	31.0	76	152	114.41
RDI71	1.15/64	76	152	114.41
RDI73	1.1/4	76	152	114.41
RDM32	32.0	76	152	114.41
RDM33	33.0	76	152	134.15
RDI77	1.5/16	76	152	134.15
RDM34	34.0	76	152	134.15
RDI81	1.3/8	76	152	134.15
RDM35	35.0	76	152	134.15
RDM36	36.0	76	152	148.12
RDM37	37.0	76	152	148.12
RDM38	38.0	76	152	148.13
RDI89	1.1/2	76	152	148.12
RDM39	39.0	76	152	148.12
RDM40	40.0	76	152	148.12

CAPITAL

CUTTING TOOLS



REDUCED SHANK DRILL SETS (HSS)

Code	Sizes	\$ ea.
RSD-200	M14, M15, M16, M17, M18, M19, M20	335.96
RSD-300	9/16, 19/32, 5/8, 21/32, 11/16, 23/32, 3/4	348.81
RSD-100	M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25	595.05
RSD-400	9/16, 19/32, 5/8, 21/32, 11/16, 23/32, 3/4, 25/32, 13/16, 7/8, 15/16, 1"	617.51

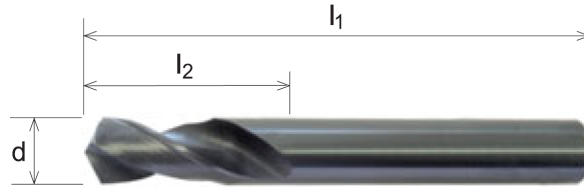
EXTENSION REDUCED SHANK DRILL SETS (HSS) - 200MM OAL

Code	Sizes	\$ ea.
RSD-500	M14, M15, M16, M17, M18, M19, M20	594.12
RSD-700	9/16, 19/32, 5/8, 21/32, 11/16, 23/32, 3/4	602.31
RSD-600	M14, M15, M16, M17, M18, M19, M20, M21, M22, M23, M24, M25	1105.21
RSD-800	9/16, 19/32, 5/8, 21/32, 11/16, 23/32, 3/4, 25/32, 13/16, 7/8, 15/16, 1"	1122.76

REDUCED SHANK DRILL SETS INCLUDE ONE DRILL PER SIZE LISTED ABOVE

CAPITAL

CUTTING TOOLS

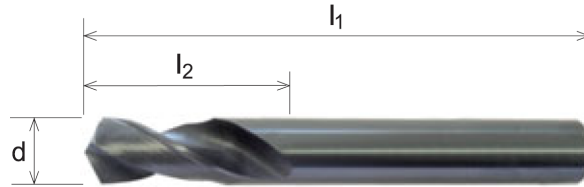


STUB DRILLS

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
J123-00591	1.5	9	32	2.07	J123-01575	4.0	22	55	2.30
J124-00625	1/16	10	34	1.99	J123-01614	4.1	22	55	2.59
J123-00630	1.6	10	34	2.37	J123-01654	4.2	22	55	2.59
J123-00669	1.7	10	34	2.37	J123-01693	4.3	24	58	2.59
J123-00709	1.8	12	38	2.37	J124-01719	11/64	24	58	2.48
J123-00748	1.9	12	38	2.21	J123-01732	4.4	24	58	2.59
J124-00781	5/64	12	38	2.21	J123-01772	4.5	24	58	2.48
J123-00787	2.0	12	38	2.21	J123-01811	4.6	24	58	2.59
J123-00827	2.1	12	38	2.43	J123-01850	4.7	24	58	2.59
J123-00866	2.2	13	40	2.43	J124-01875	3/16	26	62	2.72
J123-00906	2.3	13	40	2.43	J123-01890	4.8	26	62	2.72
J124-00938	3/32	14	43	2.21	J123-01929	4.9	26	62	2.94
J123-00945	2.4	14	43	2.43	J123-01968	5.0	26	62	2.94
J123-00984	2.5	14	43	2.21	J123-02008	5.1	26	62	2.94
J123-01024	2.6	14	43	2.43	J124-02031	13/64	26	62	3.50
J123-01063	2.7	16	46	2.43	J123-02047	5.2	26	62	3.50
J124-01094	7/64	16	46	1.76	J123-02087	5.3	26	62	3.50
J123-01102	2.8	16	46	2.17	J123-02126	5.4	28	66	3.50
J123-01142	2.9	16	46	2.17	J123-02165	5.5	28	66	3.50
J123-01181	3.0	16	46	1.87	J124-02188	7/32	28	66	3.50
J123-01220	3.1	18	49	2.17	J123-02205	5.6	28	66	3.50
J124-01250	1/8	18	49	1.87	J123-02244	5.7	28	66	3.86
J123-01260	3.2	18	49	2.17	J123-02283	5.8	28	66	3.86
J123-01299	3.3	18	49	2.17	J123-02323	5.9	28	66	3.86
J123-01339	3.4	20	52	2.17	J123-02362	6.0	28	66	3.86
J123-01378	3.5	20	52	1.99	J123-02402	6.1	31	70	4.20
J124-01406	9/64	20	52	1.99	J123-02441	6.2	31	70	4.20
J123-01417	3.6	20	52	2.30	J123-02480	6.3	31	70	3.80
J123-01457	3.7	20	52	2.30	J124-02500	1/4	31	70	4.20
J123-01496	3.8	22	55	2.30	J123-02520	6.4	31	70	4.29
J123-01535	3.9	22	55	2.30	J123-02559	6.5	31	70	4.29
J124-01562	5/32	22	55	2.17	J123-02677	6.8	34	74	5.05

CAPITAL

CUTTING TOOLS

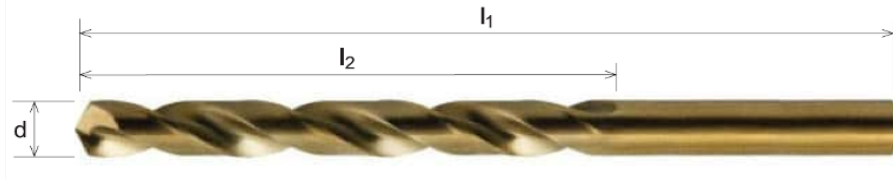


STUB DRILLS

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
J123-02756	7.0	34	74	5.03	J123-04924	12.5	51	102	16.68
J123-02835	7.2	34	74	5.03	J124-05000	1/2	51	102	16.68
J123-02953	7.5	34	74	5.69	J123-05039	12.8	51	102	17.69
J123-03071	7.8	37	79	6.19	J123-05118	13.0	51	102	17.69
J124-03125	5/16	37	79	6.19	J123-05196	13.2	51	102	27.88
J123-03150	8.0	37	79	6.19	J123-05314	13.5	54	107	30.37
J123-03228	8.2	37	79	6.95	J123-05433	13.8	54	107	30.93
J123-03346	8.5	37	79	6.95	J123-05512	14.0	54	107	31.80
J123-03465	8.8	40	84	7.66	J123-05709	14.5	56	111	31.80
J123-03543	9.0	40	84	7.66	J123-05906	15.0	56	111	32.04
J123-03622	9.2	40	84	8.50	J123-06102	15.5	58	115	33.08
J123-03740	9.5	40	84	8.50	J123-06299	16.0	58	115	35.36
J124-03750	3/8	43	89	8.50	J123-06496	16.5	60	119	47.46
J123-03858	9.8	43	89	9.12	J123-06693	17.0	60	119	47.46
J123-03937	10.0	43	89	9.12	J123-06890	17.5	62	123	59.92
J123-04016	10.2	43	89	9.12	J123-07087	18.0	62	123	59.92
J123-04134	10.5	43	89	12.15	J123-07283	18.5	64	127	59.92
J123-04252	10.8	47	95	12.15	J123-07480	19.0	64	127	40.94
J123-04331	11.0	47	95	12.15	J123-07677	19.5	66	131	51.91
J124-04375	7/16	47	95	12.15	J123-07874	20.0	66	131	58.79
J123-04409	11.2	47	95	13.38	J123-08268	21.0	68	136	58.79
J123-04528	11.5	47	95	13.38	J123-08661	22.0	70	141	60.47
J123-04646	11.8	47	95	13.38	J123-09055	23.0	72	146	60.47
J123-04724	12.0	51	102	15.16	J123-09449	24.0	75	151	62.47
J123-04803	12.2	51	102	16.68	J123-09843	25.0	75	151	63.69

CAPITAL

CUTTING TOOLS



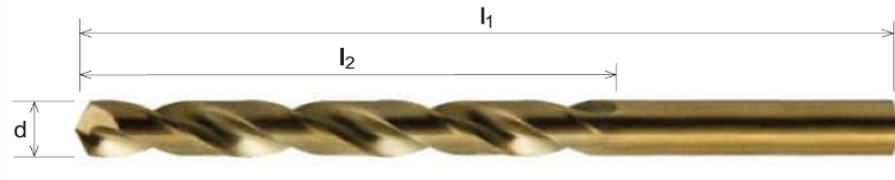
COBALT JOBBER DRILLS

Code	Size	l ₂	l ₁	\$ ea.
J113-00394	1.0	18	40	12.20
J113-00591	1.5	18	40	9.57
J114-00625	1/16	20	43	5.03
J113-00630	1.6	20	43	9.57
J113-00669	1.7	20	43	9.57
J113-00709	1.8	22	46	9.57
J113-00748	1.9	22	46	9.57
J114-00781	5/64	24	49	4.61
J113-00787	2.0	24	49	4.20
J113-00827	2.1	24	49	4.61
J113-00866	2.2	27	53	4.61
J113-00906	2.3	27	53	4.61
J114-00938	3/32	30	57	4.61
J113-00945	2.4	30	57	4.61
J113-00984	2.5	30	57	4.20
J113-01024	2.6	30	57	4.20
J113-01063	2.7	33	61	4.20
J114-01094	7/64	33	61	4.20
J113-01102	2.8	33	61	4.20
J113-01142	2.9	33	61	4.20
J113-01181	3.0	33	61	4.03
J113-01220	3.1	36	65	5.66
J114-01250	1/8	36	65	4.49
J113-01260	3.2	36	65	5.66
J113-01299	3.3	36	65	5.66
J113-01339	3.4	39	70	5.66
J113-01378	3.5	39	70	4.40
J114-01406	9/64	39	70	5.41
J113-01417	3.6	39	70	6.28
J113-01457	3.7	39	70	6.28
J113-01496	3.8	43	75	6.28
J113-01535	3.9	43	75	6.28

Code	Size	l ₂	l ₁	\$ ea.
J114-01562	5/32	43	75	5.41
J113-01575	4.0	43	75	5.05
J113-01614	4.1	43	75	6.28
J113-01654	4.2	43	75	6.28
J113-01693	4.3	47	80	6.28
J114-01719	11/64	47	80	6.14
J113-01732	4.4	47	80	6.28
J113-01772	4.5	47	80	5.54
J113-01811	4.6	47	80	8.55
J113-01850	4.7	47	80	8.55
J114-01875	3/16	52	86	6.71
J113-01890	4.8	52	86	8.55
J113-01929	4.9	52	86	8.55
J113-01968	5.0	52	86	6.52
J113-02008	5.1	52	86	9.05
J114-02031	13/64	52	86	7.71
J113-02047	5.2	52	86	9.05
J113-02087	5.3	52	86	9.05
J113-02126	5.4	57	93	9.05
J113-02165	5.5	57	93	7.57
J114-02188	7/32	57	93	8.36
J113-02205	5.6	57	93	9.22
J113-02244	5.7	57	93	9.22
J113-02283	5.8	57	93	9.22
J113-02323	5.9	57	93	9.22
J114-02344	15/64	57	93	9.22
J113-02362	6.0	57	93	8.74
J113-02402	6.1	63	101	10.30
J113-02441	6.2	63	101	10.30
J113-02480	6.3	63	101	10.30
J114-02500	1/4	63	101	10.30
J113-02520	6.4	63	101	10.30

CAPITAL

CUTTING TOOLS

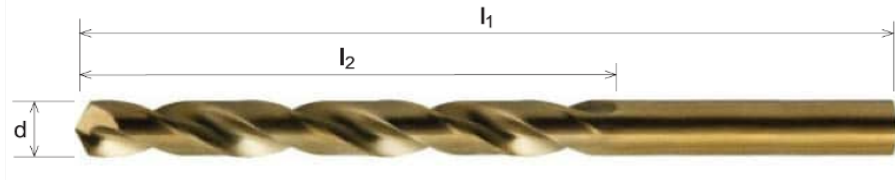


COBALT JOBBER DRILLS

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
J113-02559	6.5	63	101	9.76	J113-03583	9.1	81	125	26.78
J113-02598	6.6	63	101	13.09	J114-03594	23/64	81	125	19.82
J113-02638	6.7	63	101	13.09	J113-03622	9.2	81	125	26.78
J114-02656	17/64	69	109	11.73	J113-03661	9.3	81	125	26.78
J113-02677	6.8	69	109	13.09	J113-03701	9.4	81	125	27.82
J113-02717	6.9	69	109	13.09	J113-03740	9.5	81	125	19.10
J113-02756	7.0	69	109	11.62	J114-03750	3/8	87	133	21.05
J113-02795	7.1	69	109	17.58	J113-03780	9.6	87	133	26.78
J114-02812	9/32	69	109	13.09	J113-03819	9.7	87	133	26.78
J113-02835	7.2	69	109	17.58	J113-03858	9.8	87	133	26.78
J113-02874	7.3	69	109	17.58	J113-03898	9.9	87	133	26.78
J113-02913	7.4	69	109	17.58	J114-03906	25/64	87	133	22.48
J113-02953	7.5	69	109	12.96	J113-03937	10.0	87	133	20.73
J114-02969	19/64	75	117	14.22	J113-03976	10.1	87	133	30.42
J113-02992	7.6	75	117	17.58	J113-04016	10.2	87	133	30.42
J113-03032	7.7	75	117	17.58	J113-04055	10.3	87	133	30.42
J113-03071	7.8	75	117	17.58	J114-04062	13/32	87	133	25.28
J113-03110	7.9	75	117	17.58	J113-04094	10.4	87	133	30.42
J114-03125	5/16	75	117	15.33	J113-04134	10.5	87	133	25.81
J113-03150	8.0	75	117	13.92	J113-04173	10.6	87	133	30.42
J113-03189	8.1	75	117	21.23	J113-04213	10.7	94	142	30.42
J113-03228	8.2	75	117	21.23	J114-04219	27/64	94	142	27.91
J113-03268	8.3	75	117	21.23	J113-04252	10.8	94	142	30.42
J114-03281	21/64	75	117	16.44	J113-04291	10.9	94	142	30.42
J113-03307	8.4	75	117	21.23	J113-04331	11.0	94	142	27.07
J113-03346	8.5	75	117	15.62	J113-04370	11.1	94	142	37.34
J113-03386	8.6	81	125	23.89	J114-04375	7/16	94	142	30.32
J113-03425	8.7	81	125	23.89	J113-04409	11.2	94	142	37.34
J114-03438	11/32	81	125	17.99	J113-04449	11.3	94	142	37.34
J113-03465	8.8	81	125	23.89	J113-04488	11.4	94	142	37.34
J113-03504	8.9	81	125	23.89	J113-04528	11.5	94	142	31.09
J113-03543	9.0	81	125	17.11	J114-04531	29/64	94	142	33.38

CAPITAL

CUTTING TOOLS



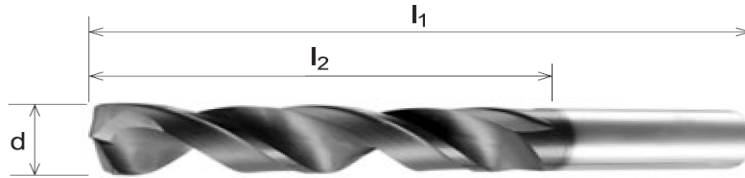
COBALT JOBBER DRILLS

Code	Size	l ₂	l ₁	\$ ea.
J113-04567	11.6	94	142	48.83
J113-04606	11.7	94	142	48.83
J113-04646	11.8	94	142	48.83
J113-04685	11.9	101	151	48.83
J114-04688	15/32	101	151	37.53
J113-04724	12.0	101	151	48.83
J113-04764	12.1	101	151	111.66
J113-04803	12.2	101	151	111.66
J113-04843	12.3	101	151	111.66
J114-04844	31/64	101	151	62.24

Code	Size	l ₂	l ₁	\$ ea.
J113-04882	12.4	101	151	111.66
J113-04924	12.5	101	151	61.90
J113-04961	12.6	101	151	111.66
J113-05000	12.7	101	151	111.66
J114-05000	1/2	101	151	41.73
J113-05019	12.75	101	151	111.66
J113-05039	12.8	101	151	111.66
J113-05079	12.9	101	151	111.66
J113-05118	13.0	101	151	51.69

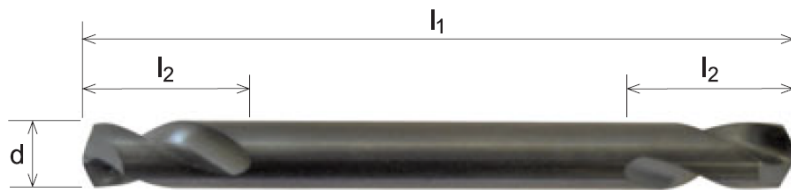
CAPITAL

CUTTING TOOLS



CARBIDE JOBBER DRILLS

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
CJD-01181	3.0	45	80	41.34	CJD-03543	9.0	64	98	145.09
CJD-01378	3.5	45	80	41.34	CJD-03740	9.5	64	98	157.49
CJD-01575	4.0	45	80	41.34	CJD-03937	10.0	68	105	176.33
CJD-01772	4.5	45	80	50.20	CJD-04134	10.5	73	110	186.40
CJD-01968	5.0	45	80	50.20	CJD-04331	11.0	73	110	201.22
CJD-02165	5.5	50	83	64.97	CJD-04528	11.5	80	120	214.14
CJD-02362	6.0	50	83	70.87	CJD-04724	12.0	80	120	226.00
CJD-02559	6.5	53	85	81.08	CJD-04924	12.5	90	137	243.14
CJD-02756	7.0	53	85	93.80	CJD-05118	13.0	90	137	254.85
CJD-02953	7.5	58	90	102.58	CJD-05512	14.0	105	156	314.94
CJD-03150	8.0	58	90	117.24	CJD-05906	15.0	105	156	352.89
CJD-03346	8.5	64	98	129.24	CJD-06299	16.0	105	156	407.91



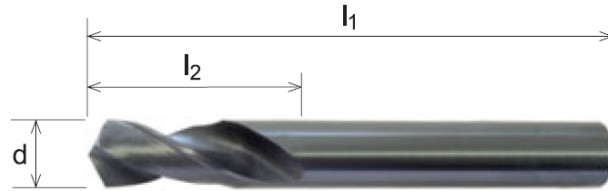
DOUBLE ENDED PANEL DRILLS

Code	Size	l ₂	l ₁	\$ ea.
D126-01285	30	10	49	2.40
D126-01610	20	12	55	2.95
D126-01910	11	14	62	3.51

0

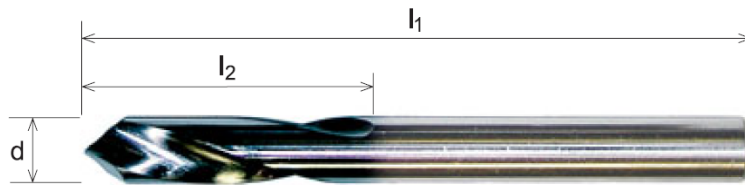
CAPITAL

CUTTING TOOLS



SINGLE ENDED PANEL DRILLS

Code	Size	l ₂	l ₁	\$ ea.
D129-01285	30	12	49	1.54
D129-01610	20	15	55	1.89
D129-01910	11	17	62	2.25

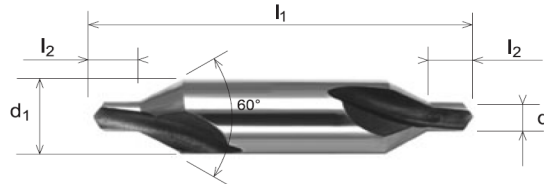


NC SPOTTING DRILL HSS Co TiCN

Code	Diameter	OAL	F/L	Point Angle	\$ ea.
D149-6	6	66	30	90°	29.23
D149-8	8	79	33	90°	35.61
D149-10	10	89	35	90°	41.80
D149-12	12	102	40	90°	61.52
D149-16	16	115	40	90°	142.57
D149-20	20	131	55	90°	162.40

CAPITAL

CUTTING TOOLS

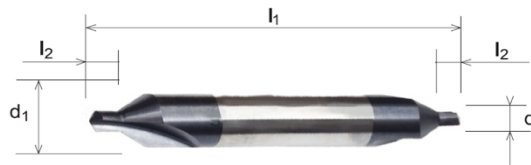


CENTRE DRILL PLAIN TYPE

Code	Size	Body O/D	OAL	Drill Point Diameter	Drill Point Length	\$ ea.
C170-1	No1	1/8	31	3/64	3/64	6.79
C170-2	No2	3/16	47	5/64	5/64	7.13
C170-3	No3	1/4	50	7/64	7/64	7.85
C170-4	No4	5/16	54	1/8	1/8	9.45
C170-5	No5	7/16	70	3/16	3/16	15.37
C170-6	No6	1/2	75	7/32	7/32	28.67
C170-7	No7	5/8	81	1/4	1/4	43.53
C170-8	No8	3/4	87	5/16	5/16	61.22

LONG SERIES CENTRE DRILL

Code	Size	Body O/D	OAL	Drill Point Diameter	Drill Point Length	\$ ea.
C171-1	No1	1/8	60	3/64	3/64	39.84
C171-2	No2	3/16	80	5/64	5/64	39.84
C171-3	No3	1/4	100	7/64	7/64	43.82
C171-4	No4	5/16	120	1/8	1/8	55.77
C171-5	No5	7/16	120	3/16	3/16	63.74
C171-6	No6	1/2	120	7/32	7/32	73.97
C171-7	No7	5/8	120	1/4	1/4	88.45



CARBIDE CENTRE DRILL

Code	Size	Body O/D	OAL	Drill Point Diameter	Drill Point Length	\$ ea.
CCD-1	No1	1/8	31	3/64	3/64	62.06
CCD-2	No2	3/16	47	5/64	5/64	68.07
CCD-3	No3	1/4	50	7/64	7/64	81.91
CCD-4	No4	5/16	54	1/8	1/8	89.23
CCD-5	No5	7/16	70	3/16	3/16	125.89
CCD-6	No6	1/2	75	7/32	7/32	145.34
CCD-7	No7	5/8	81	1/4	1/4	177.14

CAPITAL

CUTTING TOOLS



CENTRE DRILL PLAIN TYPE SETS

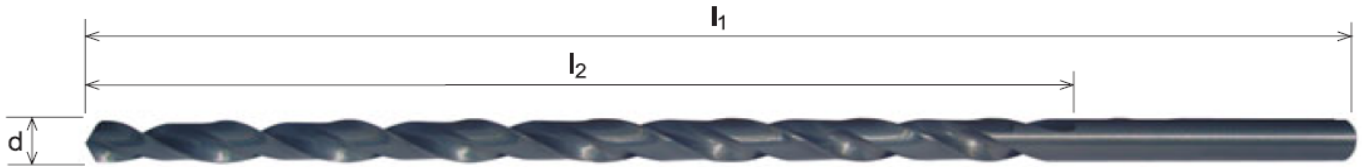
Code	Sizes	Number in Set	\$ ea.
C170-0105	No 1	2	81.95
	No 2	2	
	No 3	1	
	No 4	1	
	No 5	1	

Code	Sizes	Number in Set	\$ ea.
C170-0107	No 1	2	142.15
	No 2	2	
	No 3	2	
	No 4	2	
	No 5	1	
	No 6	1	
	No 7	1	

Code	Sizes	Number in Set	\$ ea.
C170-0108	No 1	2	192.70
	No 2	2	
	No 3	2	
	No 4	2	
	No 5	1	
	No 6	1	
	No 7	1	
	No 8	1	

CAPITAL

CUTTING TOOLS



EXTRA LENGTH DRILLS - STRAIGHT SHANK

80mm FLUTE LENGTH

Code	Size	l_2	l_1	\$ ea.	Code	Size	l_2	l_1	\$ ea.
J16U-00591	1.5	80	125	18.14	J16U-00984	2.5	80	125	18.14
J16U-00787	2.0	80	125	18.14	J16U-01181	3.0	80	125	16.42

100mm FLUTE LENGTH

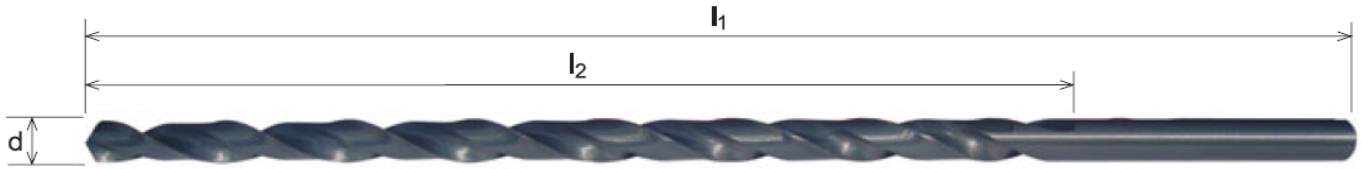
Code	Size	l_2	l_1	\$ ea.	Code	Size	l_2	l_1	\$ ea.
J16V-00591	1.5	100	160	23.74	J16V-01575	4.0	100	160	19.69
J16V-00787	2.0	100	160	23.74	J16V-01772	4.5	100	160	24.41
J16V-00984	2.5	100	160	19.28	J16V-01968	5.0	100	160	25.63
J16V-01181	3.0	100	160	17.61	J16V-02165	5.5	100	160	29.31
J16V-01378	3.5	100	160	18.66	J16V-02362	6.0	100	160	31.31

150mm FLUTE LENGTH

Code	Size	l_2	l_1	\$ ea.	Code	Size	l_2	l_1	\$ ea.
J16W-00787	2.0	150	200	29.31	J16W-02559	6.5	150	200	34.26
J16W-00984	2.5	150	200	29.31	J16W-02756	7.0	150	200	39.59
J16W-01181	3.0	150	200	27.83	J16W-02953	7.5	150	200	39.59
J16W-01378	3.5	150	200	29.82	J16W-03150	8.0	150	200	41.38
J16W-01575	4.0	150	200	29.82	J16W-03346	8.5	150	200	41.40
J16W-01772	4.5	150	200	30.98	J16W-03543	9.0	150	200	47.63
J16W-01968	5.0	150	200	30.98	J16W-03740	9.5	150	200	49.72
J16W-02165	5.5	150	200	33.61	J16W-03937	10.0	150	200	51.27
J16W-02362	6.0	150	200	34.26					

CAPITAL

CUTTING TOOLS



EXTRA LENGTH DRILLS - STRAIGHT SHANK

200mm FLUTE LENGTH

Code	Size	l_2	l_1	\$ ea.	Code	Size	l_2	l_1	\$ ea.
J16X-01181	3.0	200	250	31.88	J16X-03346	8.5	200	250	56.42
J16X-01378	3.5	200	250	32.74	J16X-03543	9.0	200	250	57.11
J16X-01575	4.0	200	250	34.13	J16X-03740	9.5	200	250	59.68
J16X-01772	4.5	200	250	34.98	J16X-03937	10.0	200	250	61.64
J16X-01968	5.0	200	250	37.37	J16X-04134	10.5	200	250	70.19
J16X-02165	5.5	200	250	38.52	J16X-04331	11.0	200	250	73.32
J16X-02362	6.0	200	250	41.43	J16X-04528	11.5	200	250	77.65
J16X-02559	6.5	200	250	42.54	J16X-04724	12.0	200	250	80.51
J16X-02756	7.0	200	250	44.13	J16X-04921	12.5	200	250	84.01
J16X-02953	7.5	200	250	46.03	J16X-05118	13.0	200	250	85.50
J16X-03150	8.0	200	250	51.87					

250mm FLUTE LENGTH

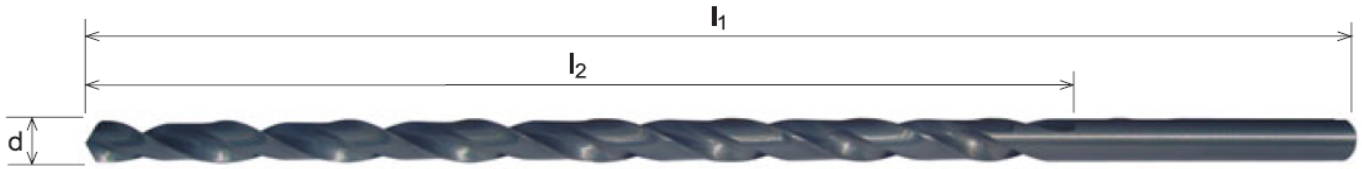
Code	Size	l_2	l_1	\$ ea.	Code	Size	l_2	l_1	\$ ea.
J16Y-01181	3.0	250	315	38.66	J16Y-03543	9.0	250	315	65.33
J16Y-01575	4.0	250	315	40.27	J16Y-03937	10.0	250	315	74.66
J16Y-01968	5.0	250	315	41.79	J16Y-04331	11.0	250	315	84.98
J16Y-02362	6.0	250	315	43.33	J16Y-04724	12.0	250	315	95.00
J16Y-02756	7.0	250	315	53.82	J16Y-05118	13.0	250	315	101.99
J16Y-03150	8.0	250	315	59.13					

300mm FLUTE LENGTH

Code	Size	l_2	l_1	\$ ea.	Code	Size	l_2	l_1	\$ ea.
J16Z-01378	3.5	300	400	55.74	J16Z-03346	8.5	300	400	88.65
J16Z-01575	4.0	300	400	51.31	J16Z-03543	9.0	300	400	78.23
J16Z-01772	4.5	300	400	57.53	J16Z-03740	9.5	300	400	94.52
J16Z-01968	5.0	300	400	53.03	J16Z-03937	10.0	300	400	84.30
J16Z-02165	5.5	300	400	61.61	J16Z-04134	10.5	300	400	102.21
J16Z-02362	6.0	300	400	56.85	J16Z-04331	11.0	300	400	94.53
J16Z-02559	6.5	300	400	71.01	J16Z-04528	11.5	300	400	120.55
J16Z-02756	7.0	300	400	66.31	J16Z-04724	12.0	300	400	108.37
J16Z-02953	7.5	300	400	79.68	J16Z-04921	12.5	300	400	133.69
J16Z-03150	8.0	300	400	72.22	J16Z-05118	13.0	300	400	113.86

CAPITAL

CUTTING TOOLS



EXTRA LENGTH DRILLS - STRAIGHT SHANK

3" FLUTE LENGTH

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
J163U-00625	1/16	3"	5"	18.99	J163U-00938	3/32	3"	5"	18.99
J163U-00781	5/64	3"	5"	18.99	J163U-01250	1/8	3"	5"	15.09

4" FLUTE LENGTH

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
J164V-01250	1/8	4"	6"	23.50	J164V-02188	7/32	4"	6"	30.13
J164V-01562	5/32	4"	6"	26.05	J164V-02500	1/4	4"	6"	32.26
J164V-01875	3/16	4"	6"	28.17					

6" FLUTE LENGTH

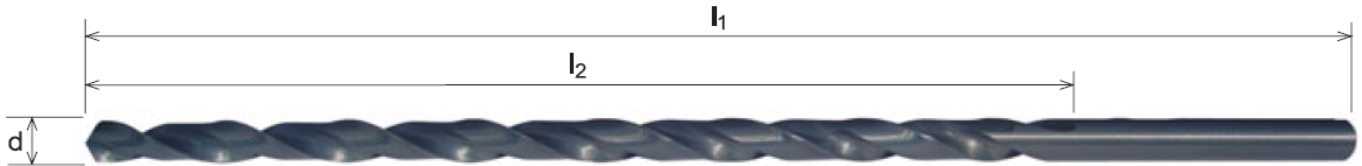
Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
J165W-01250	1/8	6"	8"	25.28	J165W-03125	5/16	6"	8"	37.99
J165W-01562	5/32	6"	8"	28.52	J165W-03438	11/32	6"	8"	43.19
J165W-01875	3/16	6"	8"	29.82	J165W-03750	3/8	6"	8"	46.98
J165W-02188	7/32	6"	8"	30.45	J165W-04375	7/16	6"	8"	51.31
J165W-02500	1/4	6"	8"	31.88	J165W-05000	1/2	6"	8"	68.15
J165W-02812	9/32	6"	8"	33.93					

8" FLUTE LENGTH

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
J168X-01250	1/8	8"	10"	28.27	J168X-03438	11/32	8"	10"	52.68
J168X-01562	5/32	8"	10"	33.47	J168X-03750	3/8	8"	10"	57.88
J168X-01875	3/16	8"	10"	35.48	J168X-04062	13/32	8"	10"	63.74
J168X-02188	7/32	8"	10"	35.72	J168X-04375	7/16	8"	10"	69.65
J168X-02500	1/4	8"	10"	38.45	J168X-04688	15/32	8"	10"	76.47
J168X-02812	9/32	8"	10"	40.91	J168X-05000	1/2	8"	10"	84.19
J168X-03125	5/16	8"	10"	46.57					

CAPITAL

CUTTING TOOLS



EXTRA LENGTH DRILLS - STRAIGHT SHANK

10" FLUTE LENGTH

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
J161Y-01250	1/8	10"	12"	40.12	J161Y-03438	11/32	10"	12"	64.00
J161Y-01562	5/32	10"	12"	41.94	J161Y-03750	3/8	10"	12"	69.87
J161Y-01875	3/16	10"	12"	42.51	J161Y-04062	13/32	10"	12"	76.94
J161Y-02188	7/32	10"	12"	43.37	J161Y-04375	7/16	10"	12"	85.36
J161Y-02500	1/4	10"	12"	46.96	J161Y-04688	15/32	10"	12"	91.95
J161Y-02812	9/32	10"	12"	49.96	J161Y-05000	1/2	10"	12"	101.67
J161Y-03125	5/16	10"	12"	56.67					

12" FLUTE LENGTH

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
J161Z-01875	3/16	12"	16"	54.13	J161Z-03750	3/8	12"	16"	85.97
J161Z-02500	1/4	12"	16"	57.06	J161Z-04375	7/16	12"	16"	104.04
J161Z-03125	5/16	12"	16"	69.39	J161Z-04688	15/32	12"	16"	112.63
J161Z-03438	11/32	12"	16"	75.83	J161Z-05000	1/2	12"	16"	122.06

CAPITAL

CUTTING TOOLS



HSS ANNULAR CUTTERS

35mm Depth

Code	Size	\$ ea.	Code	Size	\$ ea.
CC801-1200	12.0	39.80	CC801-3700	37.0	125.53
CC801-1300	13.0	43.33	CC801-3800	38.0	128.89
CC801-1400	14.0	44.54	CC801-3900	39.0	132.34
CC801-1500	15.0	48.36	CC801-4000	40.0	135.84
CC801-1600	16.0	51.65	CC801-4100	41.0	155.35
CC801-1700	17.0	53.85	CC801-4200	42.0	159.08
CC801-1800	18.0	56.76	CC801-4300	43.0	165.07
CC801-1900	19.0	57.88	CC801-4400	44.0	166.70
CC801-2000	20.0	59.60	CC801-4500	45.0	195.07
CC801-2100	21.0	61.32	CC801-4600	46.0	198.88
CC801-2200	22.0	63.10	CC801-4700	47.0	202.85
CC801-2300	23.0	65.01	CC801-4800	48.0	206.86
CC801-2400	24.0	69.67	CC801-4900	49.0	211.00
CC801-2500	25.0	71.63	CC801-5000	50.0	215.18
CC801-2600	26.0	88.59	CC801-5100	51.0	246.43
CC801-2700	27.0	90.93	CC801-5200	52.0	250.62
CC801-2800	28.0	93.44	CC801-5300	53.0	258.98
CC801-2900	29.0	96.01	CC801-5400	54.0	267.35
CC801-3000	30.0	98.65	CC801-5500	55.0	253.90
CC801-3100	31.0	103.37	CC801-5600	56.0	289.23
CC801-3200	32.0	106.09	CC801-5700	57.0	297.49
CC801-3300	33.0	113.07	CC801-5800	58.0	305.75
CC801-3400	34.0	116.07	CC801-5900	59.0	314.00
CC801-3500	35.0	119.14	CC801-6000	60.0	295.19
CC801-3600	36.0	122.41			

****OVERALL LENGTH OF 35MM DEPTH = 64MM**

CAPITAL

CUTTING TOOLS



HSS ANNULAR CUTTERS

50mm Depth

Code	Size	\$ ea.	Code	Size	\$ ea.
CC802-1400	14.0	81.06	CC802-3400	34.0	194.50
CC802-1500	15.0	81.97	CC802-3500	35.0	173.19
CC802-1600	16.0	87.51	CC802-3600	36.0	204.71
CC802-1700	17.0	91.04	CC802-3700	37.0	208.87
CC802-1800	18.0	94.93	CC802-3800	38.0	184.92
CC802-1900	19.0	96.88	CC802-3900	39.0	216.49
CC802-2000	20.0	99.19	CC802-4000	40.0	192.67
CC802-2100	21.0	101.47	CC802-4100	41.0	237.88
CC802-2200	22.0	103.81	CC802-4200	42.0	256.02
CC802-2300	23.0	106.30	CC802-4300	43.0	274.15
CC802-2400	24.0	112.75	CC802-4400	44.0	292.29
CC802-2500	25.0	115.16	CC802-4500	45.0	283.40
CC802-2600	26.0	133.56	CC802-4600	46.0	315.23
CC802-2700	27.0	136.49	CC802-4700	47.0	320.00
CC802-2800	28.0	139.53	CC802-4800	48.0	324.76
CC802-2900	29.0	143.72	CC802-4900	49.0	329.53
CC802-3000	30.0	145.92	CC802-5000	50.0	307.20
CC802-3100	31.0	171.87	CC802-5500	55.0	362.17
CC802-3200	32.0	155.87	CC802-6000	60.0	418.24
CC802-3300	33.0	188.72			

****OVERALL LENGTH OF 50MM DEPTH = 89MM**

CAPITAL

CUTTING TOOLS



ANNULAR CUTTER SETS - HSS COBALT

Code	Sizes	\$ ea.
CC801-100	M14, M15, M16, M17, M18, M19, M20, M22, M25	580.84

ANNULAR CUTTER SETS INCLUDE ONE PIECE PER LISTED SIZE & TWO PINS

CAPITAL

CUTTING TOOLS



HOLESAWS - 8% COBALT

Code	Size	\$ ea.	Code	Size	\$ ea.
HS801-0140	14.0	9.19	HS801-0640	64.0	26.29
HS801-0160	16.0	9.47	HS801-0650	65.0	26.93
HS801-0190	19.0	10.26	HS801-0670	67.0	28.86
HS801-0200	20.0	10.54	HS801-0680	68.0	28.95
HS801-0210	21.0	11.30	HS801-0700	70.0	29.10
HS801-0220	22.0	11.76	HS801-0730	73.0	29.49
HS801-0240	24.0	12.25	HS801-0760	76.0	29.96
HS801-0250	25.0	12.78	HS801-0790	79.0	30.86
HS801-0270	27.0	13.85	HS801-0830	83.0	30.86
HS801-0290	29.0	14.36	HS801-0860	86.0	32.48
HS801-0320	32.0	15.71	HS801-0890	89.0	32.69
HS801-0330	33.0	15.96	HS801-0920	92.0	35.54
HS801-0350	35.0	16.33	HS801-0950	95.0	37.64
HS801-0370	37.0	16.68	HS801-0980	98.0	39.68
HS801-0380	38.0	17.50	HS801-1020	102.0	41.43
HS801-0400	40.0	17.76	HS801-1050	105.0	44.42
HS801-0410	41.0	17.99	HS801-1080	108.0	47.45
HS801-0430	43.0	20.19	HS801-1140	114.0	51.69
HS801-0440	44.0	20.46	HS801-1210	121.0	53.80
HS801-0460	46.0	20.83	HS801-1270	127.0	57.07
HS801-0480	48.0	21.05	HS801-1400	140.0	62.28
HS801-0510	51.0	21.17	HS801-1460	146.0	65.04
HS801-0520	52.0	22.37	HS801-1520	152.0	67.49
HS801-0540	54.0	23.10	HS801-1600	160.0	73.71
HS801-0550	55.0	23.29	HS801-1650	165.0	80.73
HS801-0570	57.0	24.14	HS801-1680	168.0	83.18
HS801-0590	59.0	24.63	HS801-1780	178.0	95.25
HS801-0600	60.0	24.69	HS801-2000	200.0	112.53

ADAPTERS, PILOT DRILLS AND ARBORS SOLD SEPARATELY



HOLESAW ARBORS

Code	Size	\$ ea.
HS-ARB-02500	1/4" SHANK 1/2 x 20 UNF	18.39
HS-ARB-04375	7/16" SHANK 5/8 x 18 UNF	31.13

HOLESAW ADAPTOR

Code	Size	\$ ea.
HS-ADA- 05625	9/16 x 12 UNF	9.47

HOLESAW PILOT DRILL

Code	Size	\$ ea.
HSD-02500	1/4" x 4" LONG	10.54

CAPITAL

CUTTING TOOLS



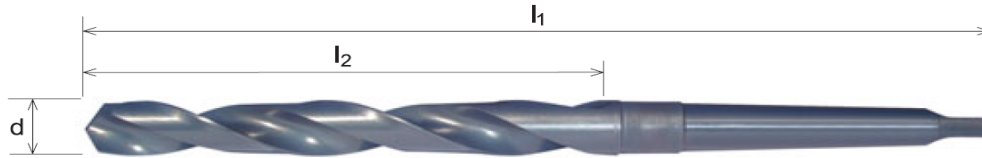
HOLESAW SETS - 8% COBALT

Code	Set Type	Sizes	\$ ea.
HSP-0100	PLUMBER	19, 22, 29, 38, 44, 57	201.00
HSP-0200	PLUMBER	44, 57, 64, 92, 114	233.80
HSP-0300	PLUMBER	16, 19, 22, 25, 27, 32, 35, 44, 57, 73, 92, 114	321.64
HSE-0100	ELECTRICIAL	16, 20, 25, 32, 40, 51	194.42
HSE-0200	ELECTRICIAL	22, 29, 35, 44, 51, 68	212.61
HSE-0300	ELECTRICIAL	51, 76, 86, 105,	215.48
HSE-0400	ELECTRICIAL	16, 20, 22, 25, 32, 40, 51, 60, 92	252.43
HSM-100	MAINTENANCE	20, 25, 32, 38, 54	187.17
HSM-200	MAINTENANCE	16, 20, 25, 32, 40, 51, 54, 64	231.45
HSM-300	MAINTENANCE	16, 20, 22, 25, 32, 40, 51, 54, 60	239.87
HSM-400	MAINTENANCE	16, 19, 22, 25, 29, 32, 35, 38, 44, 51	242.41
HSM-500	MAINTENANCE	19, 22, 29, 35, 38, 44, 51, 57, 64	250.59
HSM-600	MAINTENANCE	16, 19, 22, 25, 32, 38, 54, 92, 102	266.81
HSM-700	MAINTENANCE	19, 22, 25, 32, 35, 38, 44, 51, 54, 63, 76	277.33
HSM-800	MAINTENANCE	19, 22, 25, 29, 32, 35, 44, 51, 57, 64, 68, 76	305.62
HSM-900	MAINTENANCE	16, 20, 22, 25, 32, 40, 51, 54, 64, 92, 114	309.03
HSM-1000	MAINTENANCE	16, 20, 22, 25, 32, 38, 40, 51, 54, 60, 64, 70, 89, 92, 100, 114	427.76

HOLESAW SETS INCLUDE ONE HOLESAW PER SIZE, PLUS ADAPTOR, PILOT DRILL & ARBOR

CAPITAL

CUTTING TOOLS



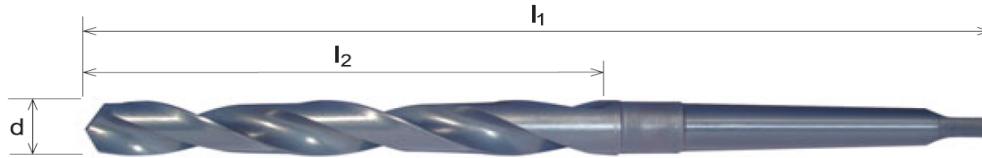
MTS DRILLS

Code	Size	l ₂	l ₁	\$ ea.
No. 1 MORSE TAPER SHANK				
D182-01181	3.0	33	114	19.88
D182-01220	3.1	33	114	24.38
D180-01250	1/8	33	114	18.39
D182-01259	3.2	33	114	24.38
D182-01299	3.3	33	114	24.38
D182-01338	3.4	39	120	24.38
D182-01378	3.5	39	120	19.88
D180-01406	9/64	39	120	19.51
D182-01417	3.6	39	120	24.38
D182-01456	3.7	39	120	24.38
D182-01496	3.8	39	120	24.38
D182-01535	3.9	43	124	24.38
D180-01562	5/32	43	124	18.74
D182-01575	4.0	43	124	19.86
D182-01614	4.1	43	124	24.38
D182-01635	4.2	43	124	24.38
D182-01692	4.3	43	124	24.38
D180-01719	11/64	47	128	20.90
D182-01732	4.4	47	128	25.90
D182-01772	4.5	47	128	21.11
D182-01811	4.6	47	128	25.90
D182-01850	4.7	47	128	25.90
D180-01875	3/16	47	128	19.86
D182-01889	4.8	47	128	25.90
D182-01929	4.9	52	133	25.90
D182-01968	5.0	52	133	20.71
D182-02007	5.1	52	133	25.90
D180-02031	13/64	52	133	21.20
D182-02047	5.2	52	133	25.90
D182-02086	5.3	52	133	25.90
D182-02125	5.4	57	138	25.90

Code	Size	l ₂	l ₁	\$ ea.
No. 1 MORSE TAPER SHANK				
D182-02165	5.5	57	138	21.21
D180-02188	7/32	57	138	19.71
D182-02204	5.6	57	138	25.90
D182-02244	5.7	57	138	25.90
D182-02283	5.8	57	138	25.90
D182-02322	5.9	57	138	25.90
D180-02344	15/64	57	138	21.03
D182-02362	6.0	57	138	21.03
D182-02401	6.1	57	138	25.90
D182-02440	6.2	57	138	25.90
D182-02480	6.3	57	138	25.90
D180-02500	1/4	63	144	20.03
D182-02519	6.4	63	144	26.20
D182-02559	6.5	63	144	21.03
D182-02598	6.6	63	144	26.20
D182-02637	6.7	63	144	26.20
D180-02656	17/64	63	144	21.03
D182-02677	6.8	63	144	26.20
D182-02716	6.9	69	150	26.20
D182-02755	7.0	69	150	21.50
D182-02795	7.1	69	150	27.21
D180-02812	9/32	69	150	20.53
D182-02834	7.2	69	150	27.21
D182-02874	7.3	69	150	27.21
D182-02913	7.4	69	150	27.21
D182-02952	7.5	69	150	21.50
D180-02969	19/64	69	150	21.84
D182-02992	7.6	69	150	27.21
D182-03031	7.7	69	150	27.21
D182-03070	7.8	69	150	27.21
D182-03110	7.9	75	156	27.21

CAPITAL

CUTTING TOOLS



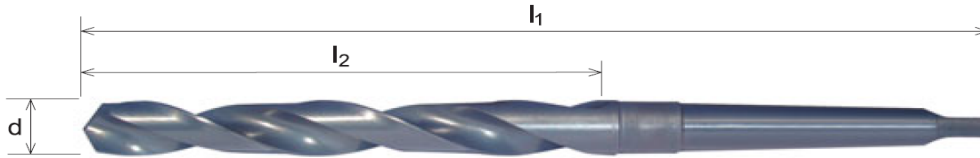
MTS DRILLS

Code	Size	l ₂	l ₁	\$ ea.
No. 1 MORSE TAPER SHANK				
D180-03125	5/16	75	156	21.50
D182-03150	8.0	75	156	22.33
D182-03188	8.1	75	156	29.93
D182-03228	8.2	75	156	29.93
D182-03267	8.3	75	156	29.93
D180-03281	21/64	75	156	23.03
D182-03307	8.4	75	156	29.93
D182-03346	8.5	75	156	24.03
D182-03385	8.6	75	156	29.93
D182-03425	8.7	75	156	29.93
D180-03438	11/32	75	156	24.87
D182-03464	8.8	75	156	29.93
D182-03503	8.9	81	162	29.93
D182-03543	9.0	81	162	24.87
D182-03582	9.1	81	162	30.57
D180-03594	23/64	81	162	24.87
D182-03622	9.2	81	162	30.57
D182-03661	9.3	81	162	30.57
D182-03700	9.4	81	162	30.57
D182-03740	9.5	81	162	24.01
D180-03750	3/8	87	168	23.18
D182-03779	9.6	87	168	30.86
D182-03818	9.7	87	168	30.86
D182-03858	9.8	87	168	30.86
D182-03897	9.9	87	168	30.86
D180-03906	25/64	87	168	23.50
D182-03937	10.0	87	168	24.17
D182-04015	10.2	87	168	30.93
D182-04035	10.25	87	168	31.22
D180-04062	13/32	87	168	23.85
D182-04134	10.5	87	168	24.17

Code	Size	l ₂	l ₁	\$ ea.
No. 1 MORSE TAPER SHANK				
D180-04219	27/64	94	175	24.17
D182-04232	10.75	94	175	31.22
D182-04251	10.8	94	175	31.22
D182-04331	11.0	94	175	24.87
D180-04375	7/16	94	175	23.85
D182-04409	11.2	94	175	31.22
D182-04429	11.25	94	175	31.22
D182-04528	11.5	94	175	24.87
D180-04531	29/64	94	175	25.70
D182-04625	11.75	94	175	31.22
D182-04645	11.8	94	175	31.22
D180-04688	15/32	101	182	24.50
D182-04724	12.0	101	182	25.63
D182-04803	12.2	101	182	31.47
D182-04822	12.25	101	182	31.47
D180-04844	31/64	101	182	30.63
D182-04921	12.5	101	182	31.31
D180-05000	1/2	101	182	29.81
D182-05019	12.75	101	182	34.11
D182-05078	12.8	101	182	34.11
D182-05118	13.0	101	182	34.78
D180-05156	33/64	101	182	35.62
D182-05196	13.2	101	182	38.25
D182-05216	13.25	101	182	38.25
D180-05312	17/32	108	189	33.94
D182-05314	13.5	108	189	33.94
D182-05413	13.75	108	189	39.37
D182-05433	13.8	108	189	39.37
D180-05469	35/64	108	189	34.78
D182-05512	14.0	108	189	35.12

CAPITAL

CUTTING TOOLS



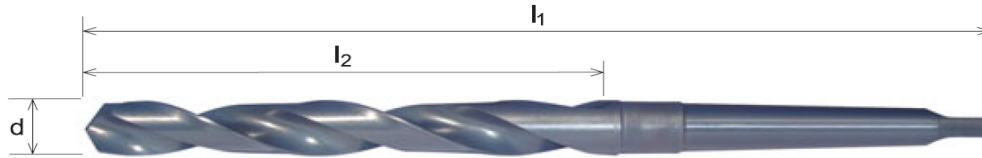
MTS DRILLS

Code	Size	l ₂	l ₁	\$ ea.
No. 2 MORSE TAPER SHANK				
D182-05610	14.25	114	212	49.65
D180-05625	9/16	114	212	45.55
D182-05709	14.5	114	212	48.03
D180-05781	37/64	114	212	54.63
D182-05807	14.75	114	212	54.72
D182-05906	15.0	114	212	49.68
D180-05938	19/32	120	218	46.38
D182-06003	15.25	120	218	54.72
D180-06094	39/64	120	218	49.68
D182-06102	15.5	120	218	49.68
D182-06200	15.75	120	218	54.72
D180-06250	5/8	120	218	47.21
D182-06299	16.0	120	218	52.18
D182-06397	16.25	125	223	54.72
D180-06406	41/64	125	223	50.52
D182-06496	16.5	125	223	53.00
D180-06562	21/32	125	223	48.03
D182-06594	16.75	125	223	54.72
D182-06693	17.0	125	223	51.34
D180-06719	43/64	125	223	53.82
D182-06791	17.25	125	223	54.72
D180-06785	11/16	130	228	48.85
D182-06890	17.5	130	228	49.65
D182-06988	17.75	130	228	55.31
D180-07031	45/64	130	228	52.18
D182-07087	18.0	130	228	52.18
D182-07185	18.25	135	233	55.31
D180-07188	23/32	135	233	50.52
D182-07283	18.5	135	233	53.00

Code	Size	l ₂	l ₁	\$ ea.
No. 2 MORSE TAPER SHANK				
D180-07344	47/64	135	233	53.00
D182-07381	18.75	135	233	60.15
D182-07480	19.0	135	233	55.46
D180-07500	3/4	140	238	53.00
D182-07578	19.25	140	238	60.15
D180-07656	49/64	140	238	55.49
D182-07677	19.5	140	238	59.63
D182-07775	19.75	140	238	60.15
D180-07812	25/32	140	238	56.32
D182-07874	20.0	140	238	59.63
D180-07969	51/64	140	238	62.92
D182-07972	20.25	140	238	66.29
D182-08071	20.5	145	243	66.25
D180-08125	13/16	145	243	60.47
D182-08169	20.75	145	243	67.90
D182-08268	21.0	145	243	64.57
D180-08281	53/64	145	243	64.57
D182-08366	21.25	150	248	67.90
D180-08438	27/32	150	248	61.62
D182-08465	21.5	150	248	68.73
D182-08562	21.75	150	248	72.88
D180-08594	55/64	150	248	68.73
D182-08661	22.0	150	248	65.46
D180-08750	7/8	150	248	67.92
D182-08759	22.25	155	253	72.86
D182-08858	22.5	155	253	77.85
D180-08906	57/64	155	253	72.88
D182-08956	22.75	155	253	75.58
D182-09055	23.0	155	253	74.53

CAPITAL

CUTTING TOOLS



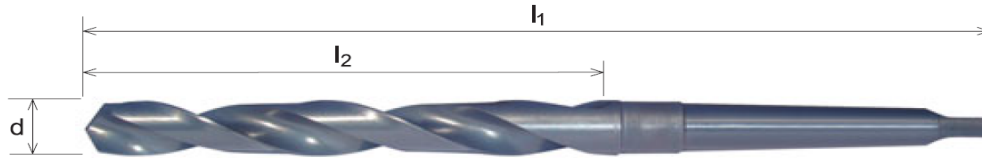
MTS DRILLS

Code	Size	l ₂	l ₁	\$ ea.
No. 3 MORSE TAPER SHANK				
D180-09062	29/32	155	253	69.26
D182-09153	23.25	155	253	73.84
D180-09219	59/64	155	276	91.08
D182-09252	23.5	155	276	88.60
D182-09350	23.75	160	281	73.84
D180-09375	15/16	160	281	86.12
D182-09449	24.0	160	281	86.94
D180-09531	61/64	160	281	91.08
D182-09547	24.25	160	281	73.84
D182-09646	24.5	160	281	91.08
D180-09688	31/32	160	281	90.29
D182-09744	24.75	160	281	100.39
D182-09843	25.0	160	281	96.89
D180-09844	63/64	160	281	99.38
D180-10000	1"	165	286	98.56
D182-10039	25.5	165	286	99.38
D180-10156	1.1/64	165	286	100.39
D182-10236	26.0	165	286	101.85
D180-10312	1.1/32	165	286	101.85
D182-10433	26.5	165	286	107.67
D180-10469	1.3/64	165	286	112.62
D180-10625	1.1/16	170	291	112.62
D182-10630	27.0	170	291	112.62
D180-10781	1.5/64	170	291	114.27
D182-10827	27.5	170	291	114.27
D180-10938	1.3/32	170	291	114.27
D182-11024	28	170	291	118.43
D180-11094	1.7/64	170	291	118.43
D182-11220	28.5	175	296	120.10
D180-11250	1.1/8	175	296	120.10
D180-11406	1.9/64	175	296	124.23

Code	Size	l ₂	l ₁	\$ ea.
No. 3 MORSE TAPER SHANK				
D182-11417	29.0	175	296	124.23
D180-11562	1.5/32	175	296	125.06
D182-11614	29.5	175	296	125.06
D180-11719	1.11/64	175	296	125.06
D182-11811	30.0	175	296	135.85
D180-11875	1.3/16	180	301	126.09
D182-12008	30.5	180	301	154.86
D180-12031	1.13/64	180	301	130.03
D180-12188	1.7/32	180	301	130.03
D182-12205	31.0	180	301	140.81
D180-12344	1.15/64	180	301	149.91
D182-12402	31.5	180	301	149.91
D180-12500	1.1/4	185	306	131.67
No. 4 MORSE TAPER SHANK				
D182-12598	32.0	185	334	212.84
D180-12656	1.17/64	185	334	214.51
D182-12795	32.5	185	334	230.24
D180-12812	1.9/32	185	334	212.87
D180-12969	1.19/64	185	334	240.18
D182-12992	33.0	185	334	240.18
D180-13125	1.5/16	185	334	217.02
D182-13189	33.5	185	334	226.10
D180-13281	1.21/64	185	334	254.31
D182-13386	34.0	190	339	231.89
D180-13438	1.11/32	190	339	231.89
D182-13583	34.5	190	339	278.31
D180-13594	1.23/64	190	339	298.18
D180-13750	1.3/8	190	339	266.69
D182-13780	35.0	190	339	248.50
D180-13906	1.25/64	190	339	298.18
D182-13976	35.5	190	339	266.69

CAPITAL

CUTTING TOOLS



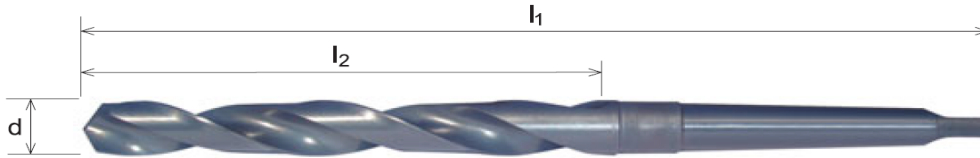
MTS DRILLS

Code	Size	l ₂	l ₁	\$ ea.
No. 4 MORSE TAPER SHANK				
D180-14062	1.13/32	190	339	248.50
D182-14173	36	195	344	251.80
D180-14219	1.27/64	195	344	301.50
D182-14370	36.5	195	344	270.03
D180-14375	1.7/16	195	344	256.79
D180-14531	1.29/64	195	344	308.12
D182-14567	37.0	195	344	276.63
D180-14688	1.15/32	195	344	260.07
D182-14764	37.5	195	344	260.07
D180-14844	1.31/64	195	344	261.73
D182-14961	38.0	200	349	261.73
D180-15000	1.1/2	200	349	263.37
D180-15156	1.33/64	200	349	270.03
D182-15157	38.5	200	349	270.84
D180-15312	1.17/32	200	349	281.59
D182-15354	39	200	349	281.90
D180-15469	1.35/64	200	349	273.32
D182-15551	39.5	200	349	273.32
D180-15625	1.9/16	200	349	265.90
D182-15748	40.0	200	349	265.90
D180-15781	1.37/64	200	349	284.09
D180-15938	1.19/32	205	354	287.10
D182-15945	40.5	205	354	287.90
D180-16094	1.39/64	205	354	288.71
D182-16142	41.0	205	354	288.71
D180-16250	1.5/8	205	354	294.46
D182-16339	41.5	205	354	403.94
D180-16406	1.41/64	205	354	405.51
D182-16535	42.0	205	354	411.70
D180-16562	1.21/32	205	354	411.70

Code	Size	l ₂	l ₁	\$ ea.
No. 4 MORSE TAPER SHANK				
D180-16719	1.43/64	205	354	411.70
D182-16732	42.5	205	354	411.70
D180-16875	1.11/16	210	359	417.86
D182-16929	43.0	210	359	417.86
D180-17031	1.45/64	210	359	451.65
D182-17126	43.5	210	359	403.94
D180-17188	1.23/32	210	359	408.60
D182-17323	44.0	210	359	410.15
D180-17500	1.3/4	210	359	444.18
D182-17520	44.5	210	359	445.72
D182-17716	45.0	210	359	451.94
D180-17812	1.25/32	215	359	455.03
D182-17913	45.5	215	359	458.11
D182-18110	46.0	215	364	466.61
D180-18125	1.13/16	215	364	467.41
D182-18307	46.5	215	364	471.27
D180-18438	1.27/32	215	364	472.04
D182-18504	47.0	215	364	472.83
D182-18701	47.5	215	364	470.49
D180-18750	1.7/8	220	369	487.53
D182-18898	48.0	220	369	492.15
D180-19062	1.29/32	220	369	503.01
D182-19094	48.5	220	369	504.54
D182-19291	49.0	220	369	504.54
D180-19375	1.15/16	220	369	504.54
D182-19488	49.5	220	369	558.73
D182-19685	50.0	220	369	526.23
D180-19688	1.31/32	220	369	514.61
D182-19882	50.5	225	374	620.64
D180-20000	2"	225	374	526.23

CAPITAL

CUTTING TOOLS

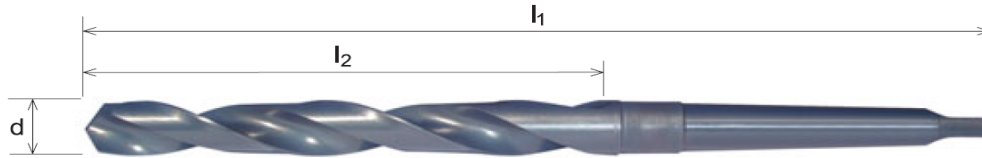


MTS DRILLS

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
No. 5 MORSE TAPER SHANK					No. 5 MORSE TAPER SHANK				
D182-20079	51.0	225	412	614.51	D182-24803	63.0	240	427	863.94
D180-20312	2.1/32	225	412	614.51	D180-25000	2.1/2	240	427	864.06
D182-20472	52.0	225	412	625.93	D182-25197	64.0	245	432	873.00
D180-20625	2.1/16	225	412	625.93	D182-25591	65.0	245	432	897.78
D182-20866	53.0	225	412	625.93	D180-25625	2.9/16	245	432	1046.91
D180-21250	2.1/8	230	417	640.47	D182-25984	66.0	245	432	920.69
D182-21260	54.0	230	417	640.30	D180-26250	2.5/8	245	432	927.04
D182-21654	55.0	230	417	640.30	D182-26378	67.0	245	432	942.89
D180-21875	2.3/16	230	417	640.30	D182-26772	68.0	250	437	951.38
D182-22047	56.0	230	417	664.57	D182-27165	69.0	250	437	956.38
D182-22441	57.0	235	422	664.56	D180-27500	2.3/4	250	437	968.02
D180-22500	2.1/4	235	422	664.56	D182-27599	70.0	250	437	962.48
D182-22835	58.0	235	422	682.80	D182-27953	71.0	250	437	989.29
D180-23125	2.5/16	235	422	682.80	D182-28346	72.0	255	442	1010.19
D182-23228	59.0	235	422	743.47	D182-28740	73.0	255	442	1091.14
D182-23622	60.0	235	422	743.47	D180-28750	2.7/8	255	442	1179.35
D180-23750	2.3/8	235	422	743.47	D182-29134	74.0	255	442	1182.85
D182-24016	61.0	240	427	758.82	D182-29528	75.0	255	442	1345.91
D180-24375	2.7/16	240	427	816.14	D180-30000	3"	255	442	1370.09
D182-24409	62.0	240	427	799.78					

CAPITAL

CUTTING TOOLS

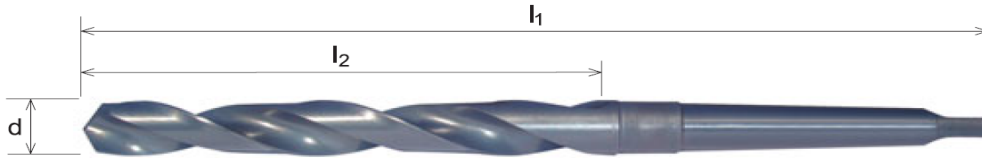


SPECIAL MORSE TAPER MTS DRILLS

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
<u>SPECIAL</u> No. 2 MORSE TAPER SHANK					<u>SPECIAL</u> No. 3 MORSE TAPER SHANK				
D183-09449	24.0	160	281	151.71	D183-14567	37.0	195	344	357.79
D183-09843	25.0	160	281	161.37	D183-14961	38.0	200	349	343.32
D181-10000	1"	165	286	162.99	D181-15000	1.1/2	200	349	344.91
D183-10236	26.0	165	286	166.18	D183-15354	39.0	200	349	362.60
D181-10625	1.1/16	170	291	176.64	D181-15625	1.9/16	200	349	347.36
D183-10630	27.0	170	291	176.64	D183-15748	40.0	200	349	347.36
D183-11024	28.0	170	291	182.28	D183-16142	41.0	205	354	369.51
D181-11250	1.1/8	175	296	183.90	D181-16250	1.5/8	205	354	375.09
D183-11417	29.0	175	296	187.92	D183-16535	42.0	205	354	488.92
D183-11811	30.0	175	296	199.20	D181-16875	1.11/16	210	359	494.90
D181-11875	1.3/16	180	301	189.72	D183-16929	43.0	210	359	494.90
D183-12205	31.0	180	301	204.01	D183-17323	44.0	210	359	487.41
D181-12500	1.1/4	185	306	195.14	D181-17500	1.3/4	210	359	520.46
					D183-17716	45.0	210	359	528.69
<u>SPECIAL</u> No. 3 MORSE TAPER SHANK					D183-18110	46.0	215	364	542.23
D183-12598	32.0	185	334	295.85	D181-18125	1.13/16	215	364	543.00
D183-12992	33.0	185	334	322.40	D183-18504	47.0	215	364	548.27
D181-13125	1.5/16	185	334	299.91	D181-18750	1.7/8	220	369	562.54
D183-13386	34.0	190	339	314.35	D183-18898	48.0	220	369	567.03
D181-13750	1.3/8	190	339	348.13	D183-19291	49.0	220	369	579.06
D183-13780	35.0	190	339	330.47	D181-19375	1.15/16	220	369	579.06
D183-14173	36.0	195	344	333.68	D183-19685	50.0	220	369	600.11
D181-14375	1.7/16	195	344	338.52	D181-20000	2"	225	374	600.11

CAPITAL

CUTTING TOOLS



SPECIAL MORSE TAPER MTS DRILLS

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
<u>SPECIAL</u> No. 4 MORSE TAPER SHANK					<u>SPECIAL</u> No. 4 MORSE TAPER SHANK				
D183-20079	51.0	225	412	749.11	D183-25197	64.0	245	432	993.52
D183-20472	52.0	225	412	820.39	D183-25591	65.0	245	432	1032.38
D183-20866	53.0	225	412	820.39	D183-25984	66.0	245	432	1055.29
D183-21260	54.0	230	417	774.90	D183-26378	67.0	245	432	1079.05
D183-21654	55.0	230	417	774.90	D183-26772	68.0	250	437	1087.54
D183-22047	56.0	230	417	799.16	D183-27165	69.0	250	437	1092.55
D183-22441	57.0	235	422	799.16	D183-27599	70.0	250	437	1097.08
D183-22835	58.0	235	422	820.53	D183-27953	71.0	250	437	1123.89
D183-23228	59.0	235	422	878.07	D183-28346	72.0	255	442	1144.78
D183-23622	60.0	235	422	878.07	D183-28740	73.0	255	442	1225.74
D183-24016	61.0	240	427	893.42	D183-29134	74.0	255	442	1317.45
D183-24409	62.0	240	427	934.38	D183-29528	75.0	255	442	1480.51
D183-24803	63.0	240	427	998.54					

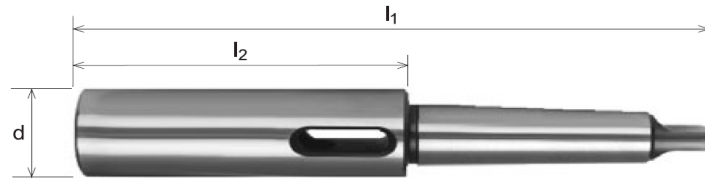


MORSE TAPER DRILL SLEEVES

Code	Morse Taper Inside	Morse Taper Outside	\$ ea.
MDS01	0	1	40.85
MDS12	1	2	40.85
MDS13	1	3	40.85
MDS23	2	3	40.85
MDS24	2	4	48.88
MDS25	2	5	71.69
MDS34	3	4	71.69
MDS35	3	5	71.69
MDS45	4	5	71.69
MDS56	5	6	195.47

CAPITAL

CUTTING TOOLS



MORSE TAPER EXTENSION SOCKETS

Code	Inside	Outside	O.D. Extension	O.A.L	\$ ea.
MDE-1145	1	1	20	145	85.41
MDE-1160	1	2	20	160	85.41
MDE-1175	1	3	20	175	124.14
MDE-1200	1	4	20	200	182.36
MDE-2160	2	1	30	160	124.14
MDE-2175	2	2	30	175	130.99
MDE-2194	2	3	30	194	124.14
MDE-2215	2	4	30	215	182.36
MDE-2247	2	5	30	247	324.59
MDE-3196	3	2	36	196	182.36
MDE-3215	3	3	36	215	175.41
MDE-3240	3	4	36	240	175.41
MDE-3268	3	5	36	268	324.59
MDE-4240	4	3	48	240	305.23
MDE-4265	4	4	48	265	290.69
MDE-4300	4	5	48	300	389.52
MDE-5300	5	4	63	300	523.92
MDE-5335	5	5	63	335	518.23

CAPITAL

CUTTING TOOLS



MTS DRILL SETS

Code	Sizes	\$ ea.
D187-200	M14, M15, M16, M17, M18, M19, M20	431.50
D187-100	9/16, 19/32, 5/8, 21/32, 11/16, 23/32, 3/4	442.75

MTS DRILL SETS INCLUDE ONE PIECE PER SIZE LISTED



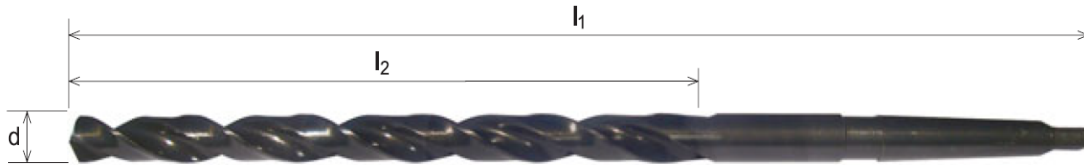
EXTRA LENGTH MTS DRILL SETS - 200MM F/L

Code	Sizes	\$ ea.
D192-200	M14, M15, M16, M17, M18, M19, M20	744.48

EXTRA LENGTH MTS DRILL SETS INCLUDE ONE PIECE PER SIZE LISTED, DRILLS HAVE 200MM F/L

CAPITAL

CUTTING TOOLS



EXTRA LENGTH MTS DRILLS

6" FLUTE LENGTH

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
D191-01875	3/16	6"	9"	32.15	D191-03125	5/16	6"	9"	42.10
D191-02500	1/4	6"	9"	35.13	D191-03750	3/8	6"	9"	51.24

8" FLUTE LENGTH

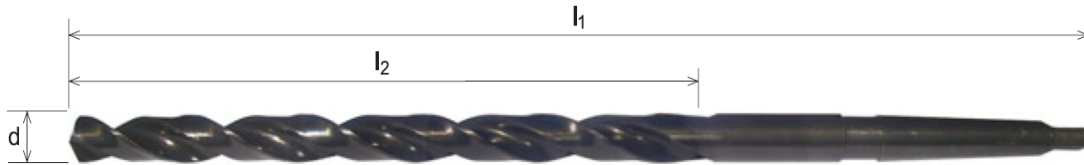
Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
D193-01875	3/16	8"	11"	37.14	D193-05000	1/2	8"	11"	101.88
D193-02031	13/64	8"	11"	38.76	D193-05625	9/16	8"	12"	112.55
D193-02500	1/4	8"	11"	39.34	D193-06250	5/8	8"	12"	121.31
D193-03125	5/16	8"	11"	44.50	D193-06875	11/16	8"	12"	128.16
D193-03750	3/8	8"	11"	62.00	D193-07500	3/4	8"	12"	136.72
D193-04375	7/16	8"	11"	94.64	D193-08750	7/8	8"	12"	143.18

12" FLUTE LENGTH

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
D195-01875	3/16	12"	15"	83.31	D195-11875	1.3/16	12"	17"	427.27
D195-02500	1/4	12"	15"	86.12	D195-12500	1.1/4	12"	17"	443.51
D195-03125	5/16	12"	15"	90.76	D195-13125	1.5/16	12"	17"	468.47
D195-03750	3/8	12"	15"	105.57	D195-13750	1.3/8	12"	17"	485.58
D195-04375	7/16	12"	15"	120.40	D195-14375	1.7/16	12"	17"	514.05
D195-05000	1/2	12"	15"	122.20	D195-14688	1.15/32	12"	17"	538.37
D195-05625	9/16	12"	16"	127.43	D195-15000	1.1/2	12"	18"	564.20
D195-06250	5/8	12"	16"	158.15	D195-15625	1.9/16	12"	18"	575.85
D195-06875	11/16	12"	16"	168.02	D195-16250	1.5/8	12"	18"	647.32
D195-07500	3/4	12"	16"	180.52	D195-16875	1.11/16	12"	18"	713.88
D195-08750	7/8	12"	16"	202.92	D195-17500	1.3/4	12"	18"	788.77
D195-10000	1"	12"	17"	311.61	D195-18125	1.13/16	12"	18"	904.87
D195-10625	1.1/16	12"	17"	333.07	D195-18750	1.7/8	12"	18"	980.89
D195-11550	1.1/8	12"	17"	406.33	D195-20000	2"	12"	18"	1039.72

CAPITAL

CUTTING TOOLS



EXTRA LENGTH MTS DRILLS

15" FLUTE LENGTH

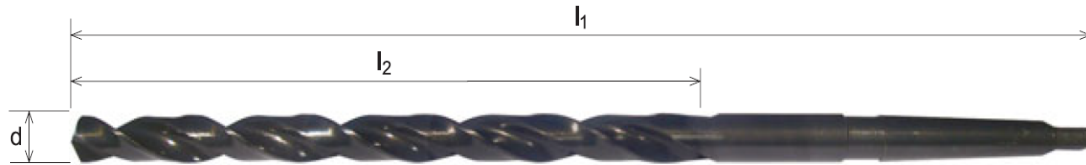
Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
D197-05625	9/16	15"	20"	192.94	D197-12500	1.1/4	15"	20"	581.33
D197-06250	5/8	15"	20"	203.35	D197-13750	1.3/8	15"	21"	607.64
D197-06875	11/16	15"	20"	212.02	D197-14375	1.7/16	15"	21"	642.89
D197-07500	3/4	15"	20"	220.23	D197-15000	1.1/2	15"	21"	757.89
D197-08750	7/8	15"	20"	229.64	D197-16250	1.5/8	15"	21"	923.97
D197-10000	1"	15"	20"	350.45	D197-17500	1.3/4	15"	21"	1117.60
D197-11550	1.1/8	15"	20"	535.92	D197-18750	1.7/8	15"	21"	1180.13
D197-11875	1.3/16	15"	20"	554.52	D197-20000	2"	15"	21"	1305.22

18" FLUTE LENGTH

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
D199-06250	5/8	18"	22"	255.18	D199-15000	1.1/2	18"	24"	789.51
D199-06875	11/16	18"	22"	266.04	D199-15625	1.9/16	18"	24"	806.07
D199-07500	3/4	18"	22"	275.18	D199-16250	1.5/8	18"	24"	906.23
D199-08750	7/8	18"	22"	287.02	D199-16875	1.11/16	18"	24"	987.93
D199-10000	1"	18"	23"	438.05	D199-17500	1.3/4	18"	24"	1104.08
D199-10625	1.1/16	18"	23"	466.16	D199-18125	1.13/16	18"	24"	1266.79
D199-11550	1.1/8	18"	23"	568.81	D199-18750	1.7/8	18"	24"	1373.23
D199-11875	1.3/16	18"	23"	598.18	D199-20000	2"	18"	24"	1455.61
D199-12500	1.1/4	18"	23"	620.91	D199-21250	2.1/8	18"	25"	1504.73
D199-13125	1.5/16	18"	24"	655.83	D199-22500	2.1/4	18"	25"	1581.67
D199-13750	1.3/8	18"	24"	694.79	D199-23750	2.3/8	18"	25"	1622.79
D199-14375	1.7/16	18"	24"	757.51	D199-25000	2.1/2	18"	25"	1657.27
D199-14688	1.15/32	18"	24"	776.00					

CAPITAL

CUTTING TOOLS



EXTRA LENGTH MTS DRILLS

150mm FLUTE LENGTH

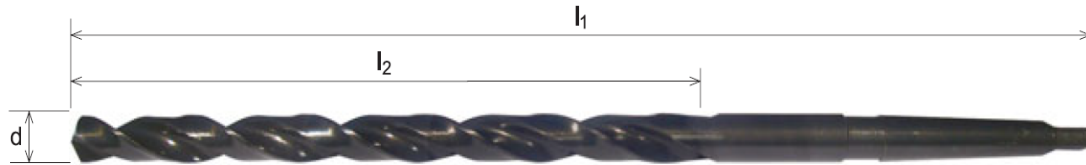
Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
D190-01968	5.0	150	230	31.36	D190-03150	8.0	150	230	40.76
D190-02165	5.5	150	230	31.68	D190-03346	8.5	150	230	48.10
D190-02362	6.0	150	230	35.94	D190-03543	9.0	150	230	49.72
D190-02559	6.5	150	230	36.42	D190-03740	9.5	150	230	51.24
D190-02756	7.0	150	230	37.24	D190-03937	10.0	150	230	52.76
D190-02953	7.5	150	230	38.23	D190-04724	12.0	150	230	54.36

200mm FLUTE LENGTH

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
D192-01968	5.0	200	280	37.14	D192-05906	15.0	200	300	120.16
D192-02165	5.5	200	280	37.81	D192-06299	16.0	200	300	123.69
D192-02362	6.0	200	280	39.34	D192-06693	17.0	200	300	130.80
D192-02559	6.5	200	280	39.83	D192-07087	18.0	200	300	131.69
D192-02756	7.0	200	280	40.76	D192-07480	19.0	200	300	138.88
D192-02953	7.5	200	280	41.64	D192-07874	20.0	200	300	139.59
D192-03150	8.0	200	280	45.43	D192-08268	21.0	200	300	141.12
D192-03346	8.5	200	280	50.51	D192-08661	22.0	200	300	145.02
D192-03543	9.0	200	280	53.09	D192-09055	23.0	200	300	151.96
D192-03740	9.5	200	280	62.00	D192-09449	24.0	200	315	165.01
D192-03937	10.0	200	280	66.34	D192-09843	25.0	200	315	173.51
D192-04134	10.5	200	280	94.64	D192-10236	26.0	200	315	181.34
D192-04331	11.0	200	280	94.64	D192-10630	27.0	200	315	191.74
D192-04724	12.0	200	280	101.88	D192-11024	28.0	200	315	200.61
D192-05118	13.0	200	280	111.79	D192-11417	29.0	200	315	206.53
D192-05512	14.0	200	280	115.38	D192-11811	30.0	200	315	217.70

CAPITAL

CUTTING TOOLS



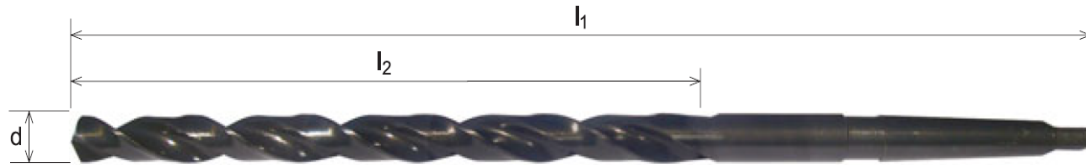
EXTRA LENGTH MTS DRILLS

300mm FLUTE LENGTH

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
D194-02362	6.0	300	380	53.11	D194-09055	23.0	300	400	259.69
D194-02559	6.5	300	380	52.10	D194-09449	24.0	300	415	285.67
D194-02756	7.0	300	380	53.11	D194-09843	25.0	300	415	311.54
D194-02953	7.5	300	380	73.76	D194-10236	26.0	300	415	322.82
D194-03150	8.0	300	380	90.11	D194-10630	27.0	300	415	345.74
D194-03346	8.5	300	380	93.59	D194-11024	28.0	300	415	372.45
D194-03543	9.0	300	380	96.60	D194-11417	29.0	300	415	406.33
D194-03740	9.5	300	380	103.16	D194-11811	30.0	300	415	419.58
D194-03937	10.0	300	380	105.59	D194-12205	31.0	300	450	427.27
D194-04134	10.5	300	380	119.51	D194-12598	32.0	300	450	443.68
D194-04331	11.0	300	380	119.51	D194-12992	33.0	300	450	449.95
D194-04527	11.5	300	380	121.72	D194-13386	34.0	300	450	468.47
D194-04724	12.0	300	380	121.73	D194-13780	35.0	300	450	490.86
D194-05118	13.0	300	380	122.20	D194-14173	36.0	300	450	514.05
D194-05314	13.5	300	380	122.20	D194-14567	37.0	300	450	528.68
D194-05512	14.0	300	380	133.89	D194-14961	38.0	300	450	564.19
D194-05708	14.5	300	380	133.89	D194-15354	39.0	300	450	575.85
D194-05906	15.0	300	400	145.09	D194-15748	40.0	300	450	641.60
D194-06299	16.0	300	400	158.15	D194-16142	41.0	300	450	668.44
D194-06496	16.5	300	400	158.15	D194-16535	42.0	300	450	723.25
D194-06693	17.0	300	400	166.68	D194-16929	43.0	300	450	736.97
D194-06889	17.5	300	400	166.68	D194-17323	44.0	300	450	756.40
D194-07087	18.0	300	400	173.80	D194-17716	45.0	300	450	779.09
D194-07283	18.5	300	400	173.80	D194-18110	46.0	300	450	801.75
D194-07480	19.0	300	400	180.52	D194-18504	47.0	300	450	832.34
D194-07677	19.5	300	400	180.52	D194-18898	48.0	300	450	850.37
D194-07874	20.0	300	400	188.23	D194-19291	49.0	300	450	899.91
D194-08268	21.0	300	400	193.63	D194-19685	50.0	300	450	1028.60
D194-08661	22.0	300	400	202.92					

CAPITAL

CUTTING TOOLS



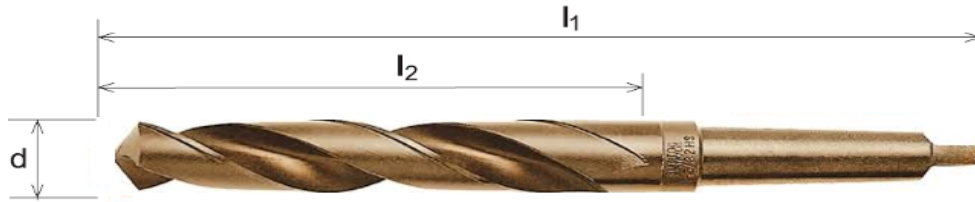
EXTRA LENGTH MTS DRILLS

375mm FLUTE LENGTH

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
D196-05512	14.0	375	475	167.96	D196-12992	33.0	375	525	544.88
D196-05906	15.0	375	475	177.02	D196-13386	34.0	375	525	561.48
D196-06299	16.0	375	475	192.94	D196-13780	35.0	375	525	594.47
D196-06693	17.0	375	475	206.57	D196-14173	36.0	375	525	611.49
D196-07087	18.0	375	475	212.02	D196-14567	37.0	375	525	641.93
D196-07480	19.0	375	475	220.23	D196-14961	38.0	375	525	690.07
D196-07874	20.0	375	475	229.64	D196-15354	39.0	375	525	755.14
D196-08268	21.0	375	475	236.20	D196-15748	40.0	375	525	782.91
D196-08661	22.0	375	475	247.54	D196-16142	41.0	375	525	851.44
D196-09055	23.0	375	475	316.81	D196-16535	42.0	375	525	884.82
D196-09449	24.0	375	500	348.51	D196-16929	43.0	375	525	902.25
D196-09843	25.0	375	500	408.38	D196-17323	44.0	375	525	917.76
D196-10236	26.0	375	500	393.84	D196-17716	45.0	375	525	950.19
D196-10630	27.0	375	500	425.25	D196-18110	46.0	375	525	980.04
D196-11024	28.0	375	500	458.11	D196-18504	47.0	375	525	1015.25
D196-11417	29.0	375	500	499.77	D196-18898	48.0	375	525	1038.47
D196-11811	30.0	375	500	516.21	D196-19291	49.0	375	525	1088.72
D196-12205	31.0	375	525	522.20	D196-19685	50.0	375	525	1267.14
D196-12598	32.0	375	525	532.19					

CAPITAL

CUTTING TOOLS



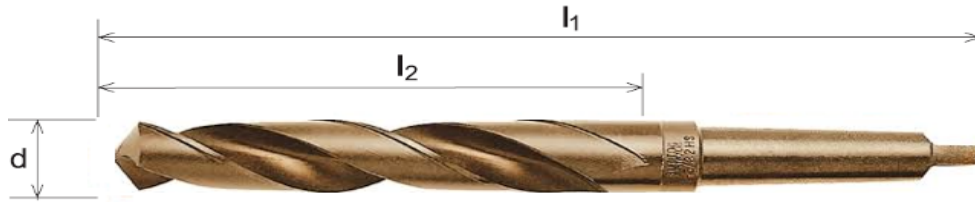
COBALT DRILLS - MTS

Code	Size	l ₂	l ₁	\$ ea.
TSCO13	13.0	108	189	54.96
TSCO13.5	13.5	108	189	58.88
TSCO14	14.0	108	189	62.00
TSCI29	9/16	114	212	62.00
TSCO14.5	14.5	114	212	81.70
TSCO15	15.0	114	212	83.17
TSCO15.5	15.5	120	218	83.17
TSCI33	5/8	120	218	88.78
TSCO16	16.0	120	218	88.78
TSCO16.5	16.5	125	223	88.78
TSCO17	17.0	125	223	92.93
TSCI37	11/16	125	223	92.93
TSCO17.5	17.5	130	228	92.93
TSCO18	18.0	130	228	93.94
TSCO18.5	18.5	135	233	93.94
TSCO19	19.0	135	233	95.19
TSCI41	3/4	135	233	95.19
TSCO19.5	19.5	140	238	95.19
TSCO20	20.0	140	238	100.54
TSCO20.5	20.5	145	243	100.54
TSCI45	13/16	145	245	111.74
TSCO21	21.0	145	245	111.74
TSCO21.5	21.5	150	248	111.74
TSCO22	22.0	150	248	117.01
TSCI49	7/8	150	248	117.01
TSCO22.5	22.5	155	253	117.01
TSCO23	23.0	155	253	126.91
TSCO23.5	23.5	155	276	126.91
TSCI53	15/16	155	276	146.84

Code	Size	l ₂	l ₁	\$ ea.
TSCO24	24.0	160	281	146.84
TSCO24.5	24.5	160	281	146.84
TSCO25	25.0	160	281	163.39
TSCI57	1"	160	281	163.39
TSCO25.5	25.5	165	286	190.03
TSCO26	26.0	165	286	190.03
TSCI61	1.1/16	165	286	190.03
TSCO27	27.0	170	291	190.03
TSCO28	28.0	170	291	198.22
TSCI65	1.1/8	175	296	207.88
TSCO29	29.0	175	296	207.88
TSCO30	30.0	175	296	225.52
TSCI69	1.3/16	180	301	233.76
TSCO31	31.0	180	301	233.76
TSCI73	1.1/4	180	301	233.76
TSCO32	32.0	185	334	238.03
TSCO33	33.0	185	334	263.19
TSCI77	1.5/16	190	339	269.04
TSCO34	34.0	190	339	269.04
TSCI81	1.3/8	190	339	278.00
TSCO35	35.0	190	339	278.00
TSCO36	36.0	195	344	284.67
TSCI85	1.7/16	195	344	284.67
TSCO37	37.0	200	349	312.16
TSCO38	38.0	200	349	318.88
TSCI89	1.1/2	200	349	318.88
TSCO39	39.0	205	354	323.83
TSCI90	1.9/16	205	354	329.75
TSCO40	40.0	205	354	329.75

CAPITAL

CUTTING TOOLS



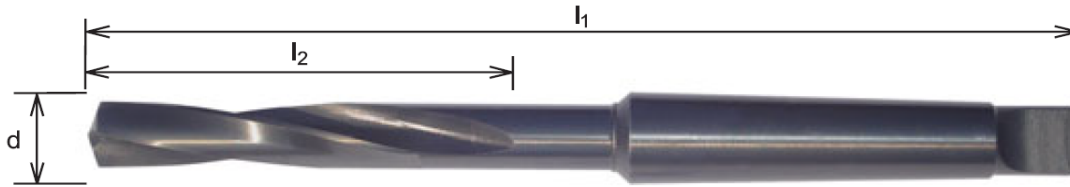
COBALT DRILLS - MTS

Code	Size	l ₂	l ₁	\$ ea.
TSCO41	41.0	212	257	330.44
TSCI91	1.5/8	212	257	330.44
TSCO42	42.0	212	257	339.78
TSCI92	1.11/16	212	257	339.78
TSCO43	43.0	235	360	350.32
TSCO44	44.0	235	360	356.99
TSCI93	1.3/4	235	360	377.51
TSCO45	45.0	235	360	377.51
TSCO46	46.0	235	360	389.43

Code	Size	l ₂	l ₁	\$ ea.
TSCI94	1.13/16	240	365	393.41
TSCO47	47.0	240	365	397.80
TSCI95	1.7/8	240	365	408.65
TSCO48	48.0	240	365	408.65
TSCO49	49.0	240	365	450.65
TSCI96	1.15/16	240	365	450.65
TSCO50	50.0	240	365	543.84
TSCI97	2"	240	365	543.84

CAPITAL

CUTTING TOOLS



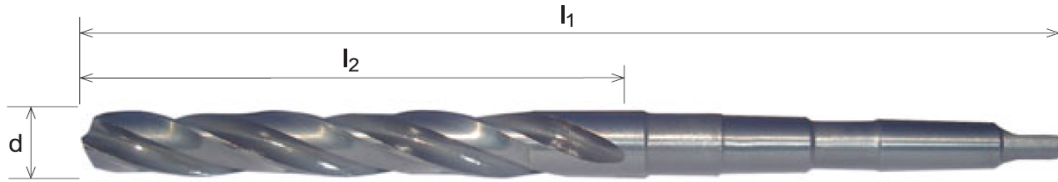
ARMOUR PIERCING DRILLS - MTS HSS-Co

Code	Size	l_2	l_1	\$ ea.
AP-01968	5.0	35	97	60.94
AP-02362	6.0	35	97	60.94
AP-02500	1/4	42	105	62.84
AP-02756	7.0	42	105	62.84
AP-03125	5/16	51	112	64.74
AP-03150	8.0	51	112	64.74
AP-03438	11/32	53	128	64.74
AP-03543	9.0	53	128	64.74
AP-03750	3/8	56	140	68.56
AP-03937	10.0	56	140	68.56
AP-04331	11.0	76	175	83.80
AP-04375	7/16	76	175	83.80
AP-04724	12.0	81	179	89.50
AP-05000	1/2	81	179	89.50
AP-05118	13.0	81	179	106.64
AP-05512	14.0	86	184	118.06
AP-05625	9/16	86	184	118.06
AP-05906	15.0	89	187	118.06
AP-06250	5/8	89	187	125.68
AP-06299	16.0	89	187	125.68
AP-06693	17.0	92	190	129.50
AP-06875	11/16	92	190	137.10
AP-07087	18.0	92	190	137.10
AP-07480	19.0	95	213	144.74
AP-07500	3/4	95	213	148.54
AP-07874	20.0	95	213	148.54
AP-08125	13/16	102	219	175.20
AP-08268	21.0	102	219	169.48
AP-08661	22.0	105	222	175.20
AP-08750	7/8	105	222	203.74
AP-09055	23.0	105	222	186.28

Code	Size	l_2	l_1	\$ ea.
AP-09375	15/16	105	222	217.08
AP-09449	24.0	105	222	217.08
AP-09843	25.0	108	225	245.64
AP-10000	1"	108	225	260.88
AP-10236	26.0	124	270	274.22
AP-10630	27.0	124	270	291.34
AP-11024	28.0	124	270	291.34
AP-11250	1.1/8	124	270	342.77
AP-11417	29.0	124	270	302.78
AP-11811	30.0	124	270	331.34
AP-12205	31.0	124	270	340.86
AP-12500	1.1/4	133	280	396.08
AP-12598	32.0	133	280	375.14
AP-12992	33.0	133	280	420.84
AP-13386	34.0	133	280	428.46
AP-13780	35.0	136	292	445.58
AP-14173	36.0	146	292	451.31
AP-14567	37.0	146	292	510.34
AP-14961	38.0	149	295	516.06
AP-15354	39.0	149	295	516.06
AP-15748	40.0	152	298	527.48
AP-16142	41.0	152	298	559.85
AP-16535	42.0	152	298	590.32
AP-16929	43.0	152	298	613.16
AP-17323	44.0	152	298	645.54
AP-17716	45.0	152	298	679.82
AP-18100	46.0	152	298	700.76
AP-18504	47.0	152	298	712.19
AP-18898	48.0	152	298	757.89
AP-19291	49.0	152	298	779.28
AP-19685	50.0	152	356	811.20

CAPITAL

CUTTING TOOLS



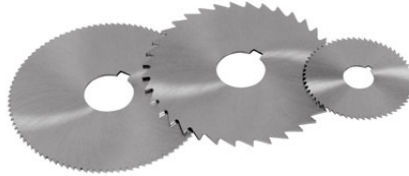
CORE DRILLS - MTS

Code	Size	l ₂	l ₁	\$ ea.
D188-02362	6.0	57	138	65.32
D188-02500	1/4	63	144	65.32
D188-02756	7.0	69	150	65.32
D188-03125	5/16	75	156	65.32
D188-03150	8.0	75	156	65.32
D188-03543	9.0	81	162	70.15
D188-03750	3/8	87	168	72.57
D188-03937	10.0	87	168	72.57
D188-04331	11.0	94	175	77.36
D188-04375	7/16	94	175	77.36
D188-04724	12.0	101	182	99.11
D188-05000	1/2	101	182	82.78
D188-05118	13.0	108	189	102.12
D188-05512	14.0	114	212	87.58
D188-05625	9/16	114	212	95.35
D188-05906	15.0	120	218	95.35
D188-06250	5/8	120	218	100.16
D188-06299	16.0	125	223	100.16
D188-06693	17.0	125	223	107.37
D188-06875	11/16	130	228	114.64
D188-07087	18.0	130	228	114.64
D188-07480	19.0	135	233	133.18
D188-07500	3/4	140	238	140.37
D188-07874	20.0	140	238	140.37
D188-08125	13/16	145	243	146.96
D188-08268	21.0	145	243	146.96
D188-08661	22.0	150	248	150.54
D188-08750	7/8	150	248	154.76
D188-09055	23.0	155	253	154.76
D188-09375	15/16	160	281	159.56
D188-09449	24.0	160	281	159.56

Code	Size	l ₂	l ₁	\$ ea.
D188-09843	25.0	160	281	193.74
D188-10000	1"	165	286	193.74
D188-10236	26.0	165	286	206.25
D188-10630	27.0	165	291	233.32
D188-11024	28.0	165	291	240.53
D188-11250	1.1/8	165	296	322.99
D188-11417	29.0	165	296	255.53
D188-11811	30.0	165	296	262.73
D188-12205	31.0	165	301	267.53
D188-12500	1.1/4	165	306	340.75
D188-12598	32.0	165	310	274.40
D188-12992	33.0	165	310	281.27
D188-13386	34.0	165	310	292.50
D188-13780	35.0	165	310	298.98
D188-14173	36.0	165	310	302.60
D188-14567	37.0	165	310	310.59
D188-14961	38.0	165	310	320.68
D188-15000	1.1/2	165	310	381.95
D188-15354	39.0	165	310	331.11
D188-15748	40.0	165	310	336.87
D188-16142	41.0	165	310	410.02
D188-16535	42.0	165	310	433.42
D188-16929	43.0	165	310	461.98
D188-17323	44.0	165	310	494.83
D188-17716	45.0	165	310	541.44
D188-18100	46.0	165	310	585.40
D188-18504	47.0	165	310	607.27
D188-18898	48.0	165	310	651.45
D188-19291	49.0	165	310	665.58
D188-19685	50.0	165	310	709.37

CAPITAL

CUTTING TOOLS

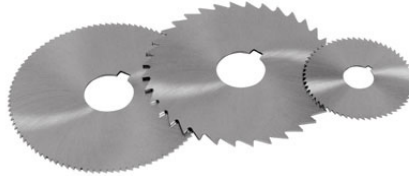


SCREW SLOTTING SAWS

Code	O/D	Width	Bore	Teeth	\$ ea.	Code	O/D	Width	Bore	Teeth	\$ ea.
S510-1006	1.3/4	0.006	5/8	90	74.06	S510-3006	2.1/4	0.006	5/8	60	79.89
S510-1008	1.3/4	0.008	5/8	90	74.06	S510-3008	2.1/4	0.008	5/8	60	79.89
S510-1010	1.3/4	0.010	5/8	90	62.97	S510-3010	2.1/4	0.010	5/8	60	79.89
S510-1012	1.3/4	0.012	5/8	90	62.97	S510-3012	2.1/4	0.012	5/8	60	79.89
S510-1014	1.3/4	0.014	5/8	90	62.97	S510-3014	2.1/4	0.014	5/8	60	79.89
S510-1016	1.3/4	0.016	5/8	90	52.25	S510-3016	2.1/4	0.016	5/8	60	79.89
S510-1018	1.3/4	0.018	5/8	90	52.25	S510-3018	2.1/4	0.018	5/8	60	79.89
S510-1020	1.3/4	0.020	5/8	90	52.25	S510-3020	2.1/4	0.020	5/8	60	79.89
S510-1023	1.3/4	0.023	5/8	90	52.25	S510-3023	2.1/4	0.023	5/8	60	79.89
S510-1025	1.3/4	0.025	5/8	90	52.25	S510-3025	2.1/4	0.025	5/8	60	79.89
S510-1028	1.3/4	0.028	5/8	90	52.25	S510-3028	2.1/4	0.028	5/8	60	79.89
S510-1032	1.3/4	0.032	5/8	90	52.25	S510-3032	2.1/4	0.032	5/8	60	79.89
S510-1035	1.3/4	0.035	5/8	90	52.25	S510-3035	2.1/4	0.035	5/8	60	79.89
S510-1040	1.3/4	0.040	5/8	90	52.25	S510-3040	2.1/4	0.040	5/8	60	79.89
S510-1045	1.3/4	0.045	5/8	90	52.25	S510-3045	2.1/4	0.045	5/8	60	79.89
S510-1051	1.3/4	0.051	5/8	90	52.25	S510-3051	2.1/4	0.051	5/8	60	79.89
S510-1057	1.3/4	0.057	5/8	90	52.25	S510-3057	2.1/4	0.057	5/8	60	79.89
S510-1064	1.3/4	0.064	5/8	90	64.35	S510-3064	2.1/4	0.064	5/8	60	79.89
S510-1072	1.3/4	0.072	5/8	90	64.35	S510-3072	2.1/4	0.072	5/8	60	79.89
S510-1081	1.3/4	0.081	5/8	90	71.88	S510-3081	2.1/4	0.081	5/8	60	79.89
S510-1091	1.3/4	0.091	5/8	90	71.88	S510-3091	2.1/4	0.091	5/8	60	79.89
S510-1102	1.3/4	0.102	5/8	90	79.07	S510-3102	2.1/4	0.102	5/8	60	79.89
S510-1114	1.3/4	0.114	5/8	90	79.07	S510-3114	2.1/4	0.114	5/8	60	79.89

CAPITAL

CUTTING TOOLS



SCREW SLOTTING SAWS

Code	O/D	Width	Bore	Teeth	\$ ea.
S510-5006	2.3/4	0.006	1"	72	86.52
S510-5008	2.3/4	0.008	1"	72	86.52
S510-5010	2.3/4	0.010	1"	72	86.52
S510-5012	2.3/4	0.012	1"	72	86.52
S510-5014	2.3/4	0.014	1"	72	68.35
S510-5016	2.3/4	0.016	1"	72	68.35
S510-5018	2.3/4	0.018	1"	72	68.35
S510-5020	2.3/4	0.020	1"	72	68.35
S510-5023	2.3/4	0.023	1"	72	68.35
S510-5025	2.3/4	0.025	1"	72	68.35
S510-5028	2.3/4	0.028	1"	72	68.35
S510-5032	2.3/4	0.032	1"	72	68.35
S510-5035	2.3/4	0.035	1"	72	68.35
S510-5036	2.3/4	0.036	1"	72	68.35

Code	O/D	Width	Bore	Teeth	\$ ea.
S510-5040	2.3/4	0.040	1"	72	68.35
S510-5045	2.3/4	0.045	1"	72	68.35
S510-5051	2.3/4	0.051	1"	72	68.35
S510-5057	2.3/4	0.057	1"	72	81.81
S510-5064	2.3/4	0.064	1"	72	81.81
S510-5072	2.3/4	0.072	1"	72	81.81
S510-5081	2.3/4	0.081	1"	72	81.81
S510-5091	2.3/4	0.091	1"	72	81.81
S510-5102	2.3/4	0.102	1"	72	88.46
S510-5114	2.3/4	0.114	1"	72	88.46
S510-5128	2.3/4	0.128	1"	72	102.15
S510-5144	2.3/4	0.144	1"	72	102.15
S510-5162	2.3/4	0.162	1"	72	139.77
S510-5182	2.3/4	0.182	1"	72	139.77

CAPITAL

CUTTING TOOLS



HSS SLITTING SAWS - FINE PITCH

Code	O/D	Width	Bore	Teeth	\$ ea.
S578-25135	2.1/2	1/64	1"	62	68.39
S578-25312	2.1/2	1/32	1"	62	58.25
S578-25469	2.1/2	3/64	1"	62	56.30
S578-25625	2.1/2	1/16	1"	62	67.02
S578-25938	2.1/2	3/32	1"	62	79.07
S578-25125	2.1/2	1/8	1"	62	85.19
S578-25156	2.1/2	5/32	1"	62	119.29
S578-25250	2.1/2	1/4	1"	62	134.13

S578-30135	3"	1/64	1"	74	65.68
S578-30312	3"	1/32	1"	74	65.68
S578-30469	3"	3/64	1"	74	82.52
S578-30625	3"	1/16	1"	74	82.52
S578-30781	3"	5/64	1"	74	92.53
S578-30938	3"	3/32	1"	74	92.49
S578-30125	3"	1/8	1"	74	106.49
S578-30156	3"	5/32	1"	74	124.79
S578-30187	3"	3/16	1"	74	147.44
S578-30218	3"	7/32	1"	74	147.44
S578-30250	3"	1/4	1"	74	147.44

S578-30301	3"	1.0mm	1"	74	80.65
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S578-40135	4"	1/64	1"	100	97.30
S578-40312	4"	1/32	1"	100	86.52
S578-40469	4"	3/64	1"	100	100.52
S578-40625	4"	1/16	1"	100	100.52
S578-40781	4"	5/64	1"	100	126.01
S578-40938	4"	3/32	1"	100	126.01
S578-40109	4"	7/64	1"	100	147.44
S578-40125	4"	1/8	1"	100	147.44
S578-40156	4"	5/32	1"	100	176.93
S578-40187	4"	3/16	1"	100	206.40

Code	O/D	Width	Bore	Teeth	\$ ea.
S578-40250	4"	1/4	1"	100	241.28
S578-40401	4"	1.0mm	1"	100	102.48
S578-50312	5"	1/32	1"	124	144.77
S578-50469	5"	3/64	1"	124	144.77
S578-50625	5"	1/16	1"	124	146.25
S578-50938	5"	3/32	1"	124	176.93
S578-50125	5"	1/8	1"	124	206.40
S578-50156	5"	5/32	1"	124	243.95
S578-50187	5"	3/16	1"	124	289.51
S578-50250	5"	1/4	1"	124	336.29

S578-60312	6"	1/32	1"	150	198.38
S578-60469	6"	3/64	1"	150	205.13
S578-60625	6"	1/16	1"	150	222.51
S578-60938	6"	3/32	1"	150	235.58
S578-60125	6"	1/8	1"	150	276.12
S578-60187	6"	3/16	1"	150	326.52
S578-60250	6"	1/4	1"	150	391.57

S578-80625	8"	1/16	1"	200	450.65
S578-80938	8"	3/32	1"	200	450.65
S578-80125	8"	1/8	1"	200	491.01
S578-80157	8"	3/16	1"	200	519.28
S578-80250	8"	1/4	1"	200	553.67

S578-10625	10"	1/16	1"	250	472.63
S578-10125	10"	1/8	1"	250	530.04

S578-12625	12"	1/16	1"	300	498.36
S578-12125	12"	1/8	1"	300	569.84

CAPITAL

CUTTING TOOLS



HSS SLITTING SAWS - COARSE PITCH

Code	O/D	Width	Bore	Teeth	\$ ea.	Code	O/D	Width	Bore	Teeth	\$ ea.
S579-25135	2.1/2	1/64	1"	26	68.39	S579-50938	5"	3/32	1"	40	176.93
S579-25312	2.1/2	1/32	1"	26	58.25	S579-50125	5"	1/8	1"	40	206.40
S579-25469	2.1/2	3/64	1"	26	56.30	S579-50156	5"	5/32	1"	40	243.95
S579-25625	2.1/2	1/16	1"	26	67.02	S579-50187	5"	3/16	1"	40	289.51
S579-25938	2.1/2	3/32	1"	26	79.07	S579-50250	5"	1/4	1"	40	336.29
S579-25125	2.1/2	1/8	1"	26	85.19	S579-60312	6"	1/32	1"	44	198.38
S579-25156	2.1/2	5/32	1"	26	119.29	S579-60469	6"	3/64	1"	44	205.13
S579-25250	2.1/2	1/4	1"	26	134.13	S579-60625	6"	1/16	1"	44	222.51
S579-30135	3"	1/64	1"	30	65.68	S579-60781	6"	5/64	1"	44	222.51
S579-30312	3"	1/32	1"	30	65.68	S579-60938	6"	3/32	1"	44	235.58
S579-30469	3"	3/64	1"	30	82.52	S579-60125	6"	1/8	1"	44	276.12
S579-30625	3"	1/16	1"	30	82.52	S579-60156	6"	5/32	1"	44	322.31
S579-30781	3"	5/64	1"	30	92.53	S579-60187	6"	3/16	1"	44	326.52
S579-30938	3"	3/32	1"	30	92.49	S579-60218	6"	7/32	1"	44	391.57
S579-30125	3"	1/8	1"	30	106.49	S579-60250	6"	1/4	1"	44	391.57
S579-30156	3"	5/32	1"	30	124.79	S579-80625	8"	1/16	1"	52	400.58
S579-30187	3"	3/16	1"	30	147.44	S579-80781	8"	5/64	1"	52	450.65
S579-30218	3"	7/32	1"	30	147.44	S579-80938	8"	3/32	1"	52	450.65
S579-30250	3"	1/4	1"	30	147.44	S579-80125	8"	1/8	1"	52	491.01
S579-40135	4"	1/64	1"	36	97.30	S579-80156	8"	5/32	1"	52	491.01
S579-40312	4"	1/32	1"	36	86.52	S579-80187	8"	3/16	1"	52	491.01
S579-40469	4"	3/64	1"	36	100.52	S579-80218	8"	7/32	1"	52	536.99
S579-40625	4"	1/16	1"	36	100.52	S579-80250	8"	1/4	1"	52	586.56
S579-40781	4"	5/64	1"	36	126.01	S579-10625	10"	1/16	1"	62	472.63
S579-40938	4"	3/32	1"	36	126.01	S579-10781	10"	5/64	1"	62	472.63
S579-40109	4"	7/64	1"	36	147.44	S579-10938	10"	3/32	1"	62	472.63
S579-40125	4"	1/8	1"	36	147.44	S579-10125	10"	1/8	1"	62	489.66
S579-40156	4"	5/32	1"	36	176.93	S579-10156	10"	5/32	1"	62	558.09
S579-40187	4"	3/16	1"	36	206.40	S579-10187	10"	3/16	1"	62	671.10
S579-40250	4"	1/4	1"	36	241.28	S579-10218	10"	7/32	1"	62	711.09
S579-50312	5"	1/32	1"	40	144.77	S579-10250	10"	1/4	1"	62	772.84
S579-50469	5"	3/64	1"	40	144.77	S579-12125	12"	1/8	1"	70	934.82
S579-50625	5"	1/16	1"	40	146.25	S579-12187	12"	3/16	1"	70	1159.80

CAPITAL

CUTTING TOOLS



SINGLE ANGLE CUTTERS - STRAIGHT TOOTH HSS

Code	O/D	Angle	Width	Bore	Teeth	\$ ea.
S49R6-30045	3"	45°	1/2	1"	20	334.27
S49R6-30060	3"	60°	1/2	1"	20	366.06
S49R6-3AB45	3"	45°	5/8	1"	20	366.06
S49R6-3AB60	3"	60°	5/8	1"	20	366.06
S49R6-3AC60	3"	60°	3/4	1"	20	366.06
S49R6-40050	4"	45°	3/4	1"	20	515.80
S49R6-40060	4"	60°	3/4	1"	20	515.80

LEFT HAND SINGLE ANGLE CUTTERS - STRAIGHT TOOTH HSS

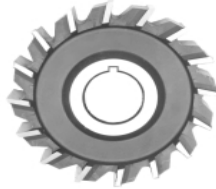
Code	O/D	Angle	Width	Bore	Teeth	\$ ea.
S49L6-30045	3"	45°	1/2	1"	20	334.27
S49L6-30060	3"	60°	1/2	1"	20	366.06
S49L6-3AB45	3"	45°	5/8	1"	20	366.06
S49L6-3AB60	3"	60°	5/8	1"	20	366.06
S49L6-3AC60	3"	60°	3/4	1"	20	366.06
S49L6-40050	4"	45°	3/4	1"	20	515.80
S49L6-40060	4"	60°	3/4	1"	20	515.80

EQUAL ANGLE CUTTERS - STRAIGHT TOOTH HSS

Code	O/D	Angle	Width	Bore	Teeth	\$ ea.
S497-30045	3"	45°	1/2	1"	24	421.53
S497-30060	3"	60°	1/2	1"	20	421.53
S497-30090	3"	90°	1/2	1"	20	421.53
S497-3AA60	3"	60°	5/8	1"	20	436.32
S497-3AA90	3"	90°	5/8	1"	20	436.32
S497-3AB60	3"	60°	3/4	1"	18	447.40
S497-3AB90	3"	90°	3/4	1"	18	447.40
S497-40045	4"	45°	3/4	1"	20	541.70
S497-40060	4"	60°	3/4	1"	20	541.70
S497-40090	4"	90°	3/4	1"	20	541.70

CAPITAL

CUTTING TOOLS



SIDE & FACE CUTTERS - STRAIGHT TOOTH HSS

Code	Diameter	Width	Bore	\$ ea.
505S-25187	2.5"	3/16	1"	192.94
505S-25250	2.5"	1/4	1"	200.69
505S-25312	2.5"	5/16	1"	211.64
505S-25375	2.5"	3/8	1"	219.22
505S-25437	2.5"	7/16	1"	225.82
505S-25500	2.5"	1/2	1"	232.37
505S-25625	2.5"	5/8	1"	245.53
505S-30187	3"	3/16	1"	221.23
505S-30250	3"	1/4	1"	223.23
505S-30312	3"	5/16	1"	233.20
505S-30375	3"	3/8	1"	239.17
505S-30437	3"	7/16	1"	245.13
505S-30500	3"	1/2	1"	257.09
505S-30562	3"	9/16	1"	265.26
505S-30625	3"	5/8	1"	267.06
505S-30750	3"	3/4	1"	273.25
505S-40187	4"	3/16	1"	269.05
505S-40250	4"	1/4	1"	285.00
505S-40312	4"	5/16	1"	306.92
505S-40375	4"	3/8	1"	318.87
505S-40437	4"	7/16	1"	334.83
505S-40500	4"	1/2	1"	342.80
505S-40562	4"	9/16	1"	363.92
505S-40625	4"	5/8	1"	378.67

Code	Diameter	Width	Bore	\$ ea.
505S-40750	4"	3/4	1"	412.86
505S-40100	4"	1"	1"	448.49
505S-50187	5"	3/16	1"	356.57
505S-50250	5"	1/4	1"	370.71
505S-50312	5"	5/16	1"	442.85
505S-50375	5"	3/8	1"	452.42
505S-50437	5"	7/16	1"	502.04
505S-50500	5"	1/2	1"	498.25
505S-50562	5"	9/16	1"	530.53
505S-50625	5"	5/8	1"	578.76
505S-50750	5"	3/4	1"	629.19
505S-50875	5"	7/8	1"	688.38
505S-50100	5"	1"	1"	736.60
505S-60187	6"	3/16	1"	507.79
505S-60250	6"	1/4	1"	520.18
505S-60312	6"	5/16	1"	554.03
505S-60375	6"	3/8	1"	577.97
505S-60437	6"	7/16	1"	635.74
505S-60500	6"	1/2	1"	635.74
505S-60562	6"	9/16	1"	662.06
505S-60625	6"	5/8	1"	699.55
505S-60750	6"	3/4	1"	811.16
505S-60875	6"	7/8	1"	966.60
505S-60100	6"	1"	1"	968.59



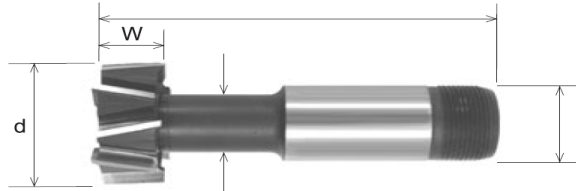
SIDE & FACE CUTTERS - STAGGERED TOOTH - COBALT

Code	Diameter	Width	Bore	\$ ea.
507S-30250	3"	1/4	1"	254.30
507S-30312	3"	5/16	1"	260.88
507S-30375	3"	3/8	1"	278.43
507S-30500	3"	1/2	1"	323.99
507S-30625	3"	5/8	1"	340.63
507S-40250	4"	1/4	1"	350.11
507S-40312	4"	5/16	1"	369.76
507S-40375	4"	3/8	1"	384.65
507S-40500	4"	1/2	1"	412.57
507S-40625	4"	5/8	1"	446.41
507S-40750	4"	3/4	1"	476.13

Code	Diameter	Width	Bore	\$ ea.
507S-50250	5"	1/4	1"	443.58
507S-50312	5"	5/16	1"	463.49
507S-50375	5"	3/8	1"	480.10
507S-50500	5"	1/2	1"	521.76
507S-50625	5"	5/8	1"	570.01
507S-60250	6"	1/4	1"	590.37
507S-60312	6"	5/16	1"	613.56
507S-60375	6"	3/8	1"	649.72
507S-60500	6"	1/2	1"	699.54
507S-60625	6"	5/8	1"	775.27

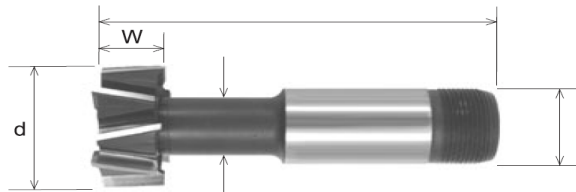
CAPITAL

CUTTING TOOLS



HSS THREADED SHANK T-SLOT CUTTERS - METRIC

Code	Bolt Size	O/D	Width	OAL	Shank	Neck	Teeth	\$ ea.
415T-02362	6	12.5	6	55	10	5	6	91.83
415T-03150	8	16	8	60	10	7	6	104.89
415T-03937	10	18	8	62	12	8	6	117.74
415T-04724	12	21	9	68	12	10	6	141.59
415T-05512	14	25	11	70	16	12	8	158.13
415T-06299	16	28	12	75	16	13	8	187.09
415T-07087	18	32	14	90	25	15	8	246.77
415T-07874	20	36	16	95	25	17	10	271.46
415T-08661	22	40	18	100	25	19	10	360.61



HSS THREADED SHANK T-SLOT CUTTERS - FRACTIONAL

Code	Bolt Size	O/D	Width	OAL	Shank	Neck	Teeth	\$ ea.
415T-02500	1/4	37/64	1/4	2.3/8	1/2	5	6	102.41
415T-03125	5/16	45/64	5/16	2.9/16	1/2	7	6	112.37
415T-03750	3/8	53/64	23/64	2.11/16	1/2	8	6	122.17
415T-04375	7/16	61/64	27/64	2.7/8	1/2	10	8	148.08
415T-05000	1/2	1.5/64	15/32	3.1/8	1/2	12	8	151.02
415T-06250	5/8	1.21/64	37/64	3.13/16	1"	13	8	195.18
415T-07500	3/4	1.33/64	11/16	4.1/8	1"	15	10	281.55
415T-08750	7/8	1.45/64	51/64	4.7/16	1"	17	10	341.68
415T-10000	1"	1.61/64	29/32	4.15/16	1"	19	10	426.59

CAPITAL

CUTTING TOOLS



HSS THREADED SHANK WOODRUFF CUTTERS - FRACTIONAL

Code	Size	O/D	Width	OAL	Shank	Neck	\$ ea.
W413-20400	204	1/2	1/16	56	1/2	8	68.22
W413-30400	304	1/2	3/32	56	1/2	8	68.22
W413-40400	404	1/2	1/8	56	1/2	8	68.22
W413-30500	305	5/8	3/32	56	1/2	8	68.22
W413-40500	405	5/8	1/8	56	1/2	8	76.76
W413-50500	505	5/8	5/32	56	1/2	8	73.94
W413-40600	406	3/4	1/8	56	1/2	8	70.23
W413-50600	506	3/4	5/32	56	1/2	8	72.28
W413-60600	606	3/4	3/16	56	1/2	8	72.28
W413-50700	507	7/8	5/32	64	1/2	8	86.34
W413-60700	607	7/8	3/16	64	1/2	8	86.34
W413-80700	807	7/8	1/4	64	1/2	8	86.34
W413-60800	608	1"	3/16	70	1/2	8	100.37
W413-80800	808	1"	1/4	70	1/2	8	100.37
W413-10080	1008	1"	5/16	70	1/2	8	100.37
W413-60900	609	1.1/8	3/16	70	1/2	8	133.59
W413-80900	809	1.1/8	1/4	70	1/2	8	133.59
W413-10090	1009	1.1/8	5/16	70	1/2	8	133.59
W413-81000	810	1.1/4	1/4	70	1/2	8	139.50
W413-10100	1010	1.1/4	5/16	70	1/2	8	139.50
W413-12100	1210	1.1/4	3/8	70	1/2	8	139.50
W413-81100	811	1.3/8	1/4	76	1/2	8	160.66
W413-10110	1011	1.3/8	5/16	76	1/2	8	160.66
W413-12110	1211	1.3/8	3/8	76	1/2	8	160.66
W413-81200	812	1.1/2	1/4	76	1/2	8	168.63
W413-10120	1012	1.1/2	5/16	76	1/2	8	168.63
W413-12120	1212	1.1/2	3/8	76	1/2	8	168.63

CAPITAL

CUTTING TOOLS

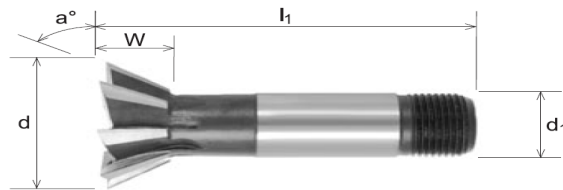


HSS THREADED SHANK WOODRUFF CUTTERS - METRIC

Code	Size	O/D	Width	OAL	Shank	Neck	\$ ea.
W414-10520	10.5	10.5	2.0	56	12	8	65.26
W414-10525	10.5	10.5	2.5	56	12	8	65.26
W414-10530	10.5	10.5	3.0	56	12	8	65.26
W414-13530	13.5	13.5	3.0	56	12	8	66.73
W414-13540	13.5	13.5	4.0	56	12	8	66.73
W414-16530	16.5	16.5	3.0	56	12	8	74.03
W414-16540	16.5	16.5	4.0	56	12	8	74.03
W414-16550	16.5	16.5	5.0	56	12	8	74.03
W414-19540	19.5	19.5	4.0	57	12	8	86.37
W414-19550	19.5	19.5	5.0	57	12	8	86.37
W414-19560	19.5	19.5	6.0	57	12	8	86.37
W414-22550	22.5	22.5	5.0	64	12	8	110.35
W414-22560	22.5	22.5	6.0	64	12	8	110.35
W414-22580	22.5	22.5	8.0	64	12	8	110.35
W414-22510	22.5	22.5	10.0	64	12	8	110.35
W414-25560	25.5	25.5	6.0	70	12	8	126.49
W414-28560	28.5	28.5	6.0	70	12	8	149.62
W414-28580	28.5	28.5	8.0	70	12	8	149.62
W414-28510	28.5	28.5	10.0	70	12	8	149.62
W414-32570	32.5	32.5	7.0	70	12	8	175.12
W414-32580	32.5	32.5	8.0	70	12	8	175.12
W414-32510	32.5	32.5	10.0	70	12	8	175.12
W414-45510	45.5	45.5	10.0	70	12	8	296.15

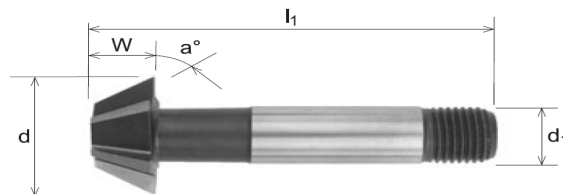
CAPITAL

CUTTING TOOLS



HSS THREADED SHANK DOVETAIL CUTTERS - METRIC

Code	Size	Angle	OAL	Shank O/D	Length	\$ ea.
428-16045	16.0	45	60	12	6	77.14
428-20045	20.0	45	63	12	8	98.70
428-25045	25.0	45	67	12	9	133.88
428-32045	32.0	45	71	16	12	191.03
428-40045	40.0	45	71	16	14	272.51
428-50045	50.0	45	71	16	18	320.30
429-16060	16.0	60	60	12	8	79.90
429-20060	20.0	60	63	12	10	101.01
429-25060	25.0	60	67	12	12	138.35
429-32060	32.0	60	71	16	19	199.47
429-40060	40.0	60	71	16	21	278.11
429-50060	50.0	60	71	16	26	346.53

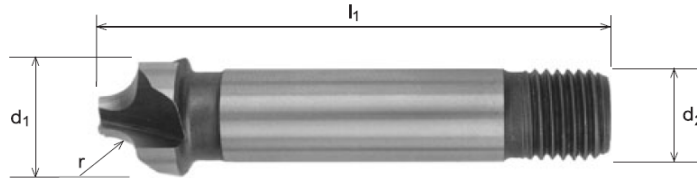


HSS THREADED SHANK INVERTED DOVETAIL CUTTERS - METRIC

Code	Size	Angle	OAL	Shank O/D	Length	\$ ea.
430-16045	16.0	45	60	12	6	81.41
430-20045	20.0	45	63	12	8	104.63
430-25045	25.0	45	67	12	9	140.29
430-32045	32.0	45	71	16	12	204.23
430-40045	40.0	45	71	16	14	282.63
430-50045	50.0	45	71	16	18	330.56
431-16060	16.0	60	60	12	8	83.02
431-20060	20.0	60	63	12	10	106.55
431-25060	25.0	60	67	12	12	143.24
431-32060	32.0	60	71	16	19	207.64
431-40060	40.0	60	71	16	21	285.03
431-50060	50.0	60	71	16	26	352.57

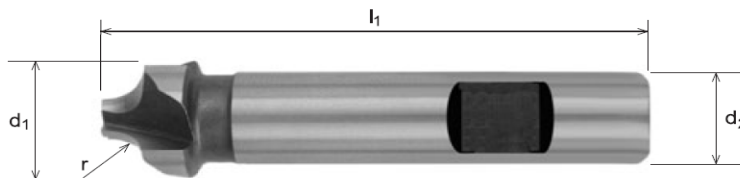
CAPITAL

CUTTING TOOLS



HSS THREADED SHANK CORNER ROUNDING CUTTERS - METRIC

Code	Radius	O/D	Shank	OAL	\$ ea.
450C-020	2	10	10	60	53.73
450C-030	3	12	12	60	61.70
450C-040	4	14	12	60	74.03
450C-050	5	16	12	60	85.20
450C-060	6	20	16	67	111.06
450C-080	8	24	16	71	151.17
450C-100	10	28	20	85	187.68
450C-120	12	34	20	90	274.55
450C-140	14	44	25	100	303.85
450C-160	16	48	25	100	400.92
450C-180	18	54	32	105	540.68
450C-200	20	56	32	112	671.47

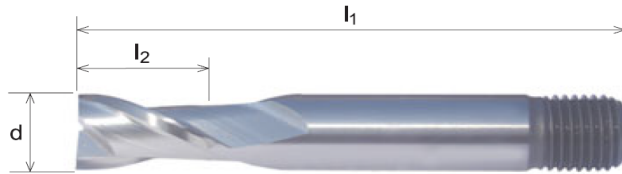


HSS FLATTED SHANK CORNER ROUNDING CUTTERS - METRIC

Code	Radius	O/D	Shank	OAL	\$ ea.
452C-020	2	10	10	60	51.80
452C-030	3	12	12	60	60.83
452C-040	4	14	12	60	74.03
452C-050	5	16	12	70	85.20
452C-060	6	20	16	70	111.06
452C-080	8	24	16	70	148.83
452C-100	10	28	20	85	187.68
452C-120	12	34	20	100	271.60
452C-140	14	44	25	100	303.85
452C-160	16	48	25	105	400.92
452C-180	18	54	32	112	540.68
452C-200	20	56	32	112	650.88

CAPITAL

CUTTING TOOLS



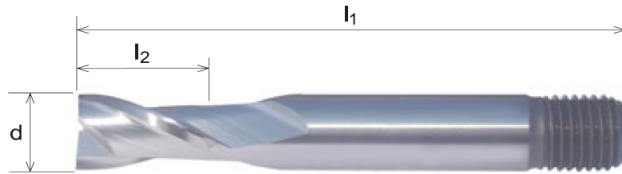
SLOT DRILLS Co8 - SHORT SERIES

THREADED SHANK - CENTRE CUTTING

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
SD801-0150	1.5	2.5	48	37.66	SD803-652	7/16	17	65	27.40
SD803-590	1/16	2.5	48	20.27	SD801-1150	11.5	13	70	34.29
SD801-0200	2.0	4	48	19.77	SD803-653	15/32	17	65	26.71
SD803-592	3/32	5	51	20.27	SD801-1200	12.0	16	73	25.35
SD801-0250	2.5	5	49	26.41	SD803-659	1/2	19	67	26.71
SD801-0300	3.0	5	49	19.24	SD801-1300	13.0	16	73	28.12
SD803-616	1/8	8	51	18.45	SD801-1400	14.0	16	73	29.97
SD801-0350	3.5	6	50	26.41	SD803-663	9/16	22	69	31.06
SD803-619	5/32	10	52	15.65	SD801-1500	15.0	16	73	36.04
SD801-0400	4.0	7	51	16.23	SD803-664	5/8	22	72	32.96
SD801-0450	4.5	7	51	26.41	SD801-1600	16.0	19	79	34.28
SD803-623	3/16	10	52	16.31	SD801-1700	17.0	19	79	42.63
SD801-0500	5.0	8	52	16.23	SD803-037	11/16	24	74	42.25
SD801-0550	5.5	8	52	26.41	SD801-1800	18.0	19	79	40.76
SD803-627	7/32	11	56	17.19	SD801-1900	19.0	19	79	46.79
SD801-0600	6.0	8	52	19.24	SD803-668	3/4	25	77	44.03
SD803-630	1/4	11	56	19.35	SD801-2000	20.0	19	79	44.42
SD801-0650	6.5	10	60	34.29	SD803-045	13/16	25	98	75.84
SD801-0700	7.0	10	60	24.28	SD801-2100	21.0	26	102	77.73
SD803-634	9/32	11	59	24.66	SD801-2200	22.0	26	102	77.73
SD801-0750	7.5	10	60	34.29	SD803-049	7/8	25	100	77.73
SD803-637	5/16	13	60	24.28	SD801-2300	23.0	26	102	77.73
SD801-0800	8.0	11	61	24.66	SD803-053	15/16	25	103	88.85
SD801-0850	8.5	11	61	34.29	SD801-2400	24.0	26	102	77.73
SD803-641	11/32	14	60	29.45	SD801-2500	25.0	26	102	77.73
SD801-0900	9.0	11	61	25.77	SD803-057	1"	27	95	77.73
SD801-0950	9.5	11	61	34.29	SD801-2600	26.0	26	102	99.90
SD803-645	3/8	14	60	24.66	SD803-061	1.1/16	28	95	101.78
SD801-1000	10.0	13	63	25.01	SD801-2800	28.0	26	102	135.94
SD803-648	13/32	16	60	32.84	SD803-065	1.1/8	30	95	134.06
SD801-1050	10.5	13	70	34.29	SD801-3000	30.0	26	102	146.05
SD801-1100	11.0	13	70	27.00	SD803-073	1.1/4	35	117	152.83

CAPITAL

CUTTING TOOLS



SLOT DRILLS Co8 - SHORT SERIES

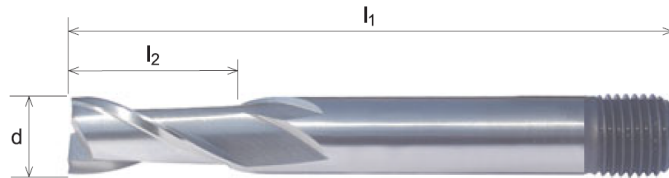
THREADED SHANK - CENTRE CUTTING

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
SD801-3200	32.0	32	112	174.88	SD801-4500	45.0	38	118	321.55
SD803-081	1.3/8	40	111	184.03	SD803-0108	1.7/8	45	125	334.05
SD801-3500	35.0	32	112	193.39	SD801-5000	50.0	45	125	334.05
SD801-3600	36.0	32	112	193.39	SD803-0122	2"	51	118	311.85
SD801-3800	38.0	43	115	193.39	SD801-5500	55.0	52	135	414.64
SD803-090	1.1/2	43	115	193.39	SD803-0130	2.1/4	57	142	426.11
SD801-4000	40.0	38	118	219.24	SD801-6000	60.0	60	147	480.63
SD803-098	1.5/8	48	118	228.52	SD803-0138	2.1/2	63	151	507.89
SD803-0104	1.3/4	48	118	248.84					

SLOT DRILLS - 1.1/8 and over 1" Shank
28.0mm and over 25.0mm Shank

CAPITAL

CUTTING TOOLS



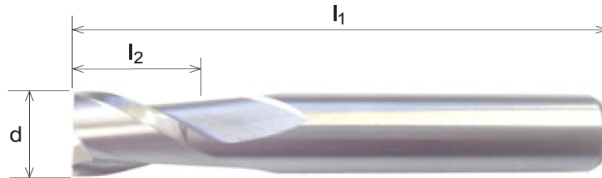
SLOT DRILLS Co8 - LONG SERIES

THREADED SHANK - CENTRE CUTTING

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
SD804-590	1/16	5	53	20.53	SD802-1500	15.0	31	108	45.91
SD802-0200	2.0	4	51	23.08	SD804-664	5/8	32	108	48.09
SD804-592	3/32	6	54	20.13	SD802-1600	16.0	31	108	59.27
SD802-0250	2.5	7	54	30.56	SD802-1700	17.0	35	114	64.75
SD802-0300	3.0	11	60	23.08	SD804-037	11/16	35	114	59.27
SD804-616	1/8	11	64	21.06	SD802-1800	18.0	35	114	70.32
SD802-0350	3.5	12	66	30.56	SD802-1900	19.0	38	120	64.75
SD804-619	5/32	12	66	19.93	SD804-668	3/4	38	120	66.67
SD802-0400	4.0	12	66	18.32	SD802-2000	20.0	38	120	106.57
SD802-0450	4.5	12	66	30.56	SD804-045	13/16	38	120	106.58
SD804-623	3/16	13	70	19.93	SD802-2100	21.0	38	120	106.57
SD802-0500	5.0	12	70	18.90	SD802-2200	22.0	41	140	99.90
SD802-0550	5.5	16	76	30.56	SD804-049	7/8	42	140	109.08
SD804-627	7/32	16	76	20.53	SD802-2300	23.0	41	152	127.96
SD802-0600	6.0	16	76	22.48	SD802-2400	24.0	41	152	135.64
SD804-630	1/4	16	76	23.04	SD802-2500	25.0	44	159	111.15
SD802-0650	6.5	16	76	42.78	SD804-057	1"	44	159	135.64
SD802-0700	7.0	16	76	27.46	SD802-2600	26.0	44	159	185.22
SD804-634	9/32	16	76	28.12	SD802-2800	28.0	47	159	182.48
SD802-0750	7.5	16	76	42.78	SD804-065	1.1/8	48	159	201.98
SD804-637	5/16	19	79	28.87	SD802-3000	30.0	51	159	237.89
SD802-0800	8.0	19	79	29.28	SD804-073	1.1/4	51	159	212.74
SD802-0850	8.5	22	82	42.78	SD802-3200	32.0	51	159	241.81
SD804-641	11/32	22	82	37.82	SD804-081	1.3/8	54	159	244.69
SD802-0900	9.0	22	82	31.23	SD802-3500	35.0	54	159	247.60
SD802-0950	9.5	22	82	30.56	SD802-3600	36.0	54	159	258.37
SD804-645	3/8	22	73	29.28	SD802-3800	38.0	57	159	261.75
SD802-1000	10.0	22	82	29.87	SD804-090	1.1/2	57	159	323.82
SD802-1100	11.0	22	89	33.86	SD802-4000	40.0	63	159	307.25
SD804-652	7/16	22	89	32.96	SD802-4200	42.0	63	159	316.30
SD802-1200	12.0	25	95	33.34	SD804-0104	1.3/4	64	159	335.09
SD804-659	1/2	25	95	32.41	SD802-4500	45.0	63	159	419.24
SD802-1300	13.0	25	95	37.95	SD802-5000	50.0	63	159	327.05
SD802-1400	14.0	28	101	42.14	SD804-0122	2"	64	159	327.05
SD804-663	9/16	29	102	48.09					

CAPITAL

CUTTING TOOLS



SLOT DRILLS PLAIN SHANK Co8 - SHORT SERIES

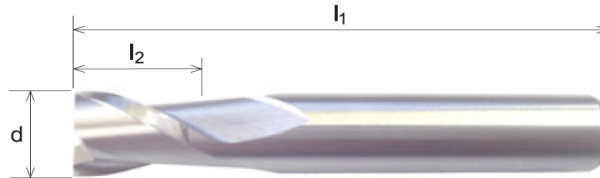
CENTRE CUTTING

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
SP801-0200	2.0	4	48	19.77	SP803-659	1/2	19	67	26.70
SP801-0250	2.5	5	49	26.41	SP801-1300	13.0	16	73	28.12
SP801-0300	3.0	5	49	19.24	SP801-1400	14.0	16	73	29.97
SP803-616	1/8	6	50	18.45	SP803-663	9/16	22	69	31.06
SP801-0350	3.5	6	50	26.41	SP801-1500	15.0	16	73	36.04
SP801-0400	4.0	7	51	16.23	SP803-664	5/8	22	72	32.96
SP801-0450	4.5	7	51	26.41	SP801-1600	16.0	19	79	34.29
SP801-0500	5.0	8	52	16.23	SP801-1700	17.0	19	79	42.63
SP801-0550	5.5	8	52	26.41	SP801-1800	18.0	19	79	40.76
SP801-0600	6.0	8	52	19.24	SP801-1900	19.0	19	79	46.79
SP803-630	1/4	11	56	19.35	SP803-668	3/4	25	77	44.03
SP801-0650	6.5	10	60	34.29	SP801-2000	20.0	19	79	44.42
SP801-0700	7.0	10	60	24.45	SP801-2100	21.0	26	102	77.75
SP801-0750	7.5	10	60	34.29	SP801-2200	22.0	26	102	77.75
SP803-637	5/16	13	60	24.28	SP803-049	7/8	25	100	77.75
SP801-0800	8.0	11	61	24.66	SP801-2300	23.0	26	102	77.75
SP801-0850	8.5	11	61	34.29	SP801-2400	24.0	26	102	77.75
SP801-0900	9.0	11	61	25.77	SP801-2500	25.0	26	102	77.75
SP801-0950	9.5	11	61	34.29	SP803-057	1"	27	95	77.75
SP803-645	3/8	14	60	24.66	SP801-3200	32.0	30	105	174.87
SP801-1000	10.0	13	63	25.01	SP801-3500	35.0	30	105	193.39
SP801-1100	11.0	13	70	27.02	SP801-4000	40.0	30	105	219.24
SP803-652	7/16	17	65	27.40	SP801-4500	45.0	30	105	321.55
SP801-1200	12.0	16	73	25.35					

SLOT DRILLS - 1.1/8 and over 1" Shank
 28.0mm and over 25.0mm Shank

CAPITAL

CUTTING TOOLS



SLOT DRILLS PLAIN SHANK Co8 - LONG SERIES

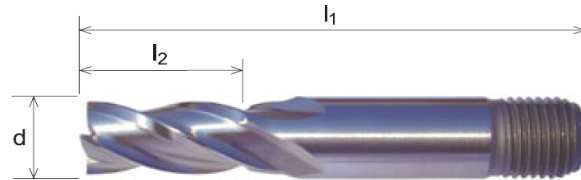
CENTRE CUTTING

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
SP802-0200	2.0	7	54	23.08	SP804-652	7/16	22	102	33.86
SP802-0250	2.5	8	56	30.56	SP802-1200	12.0	26	110	33.34
SP802-0300	3.0	8	56	23.08	SP804-659	1/2	25	110	33.34
SP802-0350	3.5	10	59	30.56	SP802-1300	13.0	26	110	37.95
SP802-0400	4.0	11	63	18.31	SP802-1400	14.0	26	110	39.81
SP802-0450	4.5	11	63	30.56	SP804-663	9/16	29	102	48.09
SP802-0500	5.0	13	68	18.90	SP802-1500	15.0	26	110	48.09
SP802-0550	5.5	13	68	30.56	SP804-664	5/8	32	108	48.09
SP802-0600	6.0	13	68	22.48	SP802-1600	16.0	32	123	48.09
SP804-630	1/4	16	80	22.48	SP802-1700	17.0	32	123	59.27
SP802-0650	6.5	16	80	42.78	SP802-1800	18.0	32	123	59.27
SP802-0700	7.0	16	80	27.46	SP802-1900	19.0	32	123	70.32
SP802-0750	7.5	16	80	42.78	SP804-668	3/4	38	141	70.32
SP804-637	5/16	19	88	29.28	SP802-2000	20.0	38	141	66.67
SP802-0800	8.0	19	88	29.28	SP802-2100	21.0	38	141	99.90
SP802-0850	8.5	19	88	42.78	SP802-2200	22.0	28	141	99.90
SP802-0900	9.0	19	88	30.56	SP804-049	7/8	42	166	99.90
SP802-0950	9.5	19	88	42.78	SP802-2300	23.0	45	166	111.16
SP804-645	3/8	22	95	29.97	SP802-2400	24.0	45	166	111.16
SP802-1000	10.0	22	95	29.97	SP802-2500	25.0	45	166	111.16
SP802-1100	11.0	22	102	33.86	SP804-057	1"	44	166	111.16

SLOT DRILLS - 1.1/8 and over 1" Shank
28.0mm and over 25.0mm Shank

CAPITAL

CUTTING TOOLS



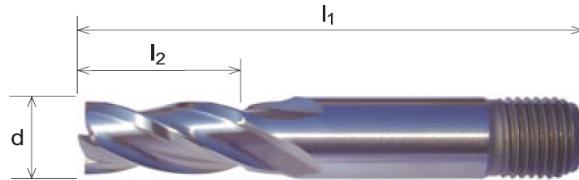
ENDMILLS Co8 - SHORT SERIES

THREADED SHANK - CENTRE CUTTING

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
EM801-0150	1.5	6	51	34.29	EM803-652	7/16	22	67	23.50
EM801-0200	2.0	6	51	19.99	EM801-1150	11.5	21	66	43.30
EM801-0250	2.5	6	51	34.29	EM801-1200	12.0	24	70	25.35
EM801-0300	3.0	9	54	15.42	EM803-659	1/2	24	70	25.01
EM803-616	1/8	10	54	15.42	EM801-1300	13.0	24	70	49.76
EM801-0350	3.5	12	57	26.41	EM801-1400	14.0	28	73	29.04
EM803-619	5/32	13	57	15.42	EM803-663	9/16	29	73	30.56
EM801-0400	4.0	12	57	15.17	EM801-1500	15.0	26	71	57.69
EM801-0450	4.5	12	57	26.41	EM803-664	5/8	32	77	32.78
EM803-623	3/16	13	57	15.42	EM801-1600	16.0	26	77	33.73
EM801-0500	5.0	16	60	15.42	EM801-1700	17.0	35	80	40.76
EM801-0550	5.5	16	60	26.41	EM803-037	11/16	35	80	40.76
EM803-627	7/32	16	60	15.42	EM801-1800	18.0	35	80	40.76
EM801-0600	6.0	16	60	15.17	EM801-1900	19.0	38	83	43.63
EM803-630	1/4	16	60	15.42	EM803-668	3/4	38	83	43.19
EM801-0650	6.5	16	60	34.29	EM801-2000	20.0	38	83	45.35
EM801-0700	7.0	16	60	19.99	EM803-045	13/16	38	95	69.66
EM803-634	9/32	16	60	18.32	EM801-2100	21.0	41	98	45.35
EM801-0750	7.5	18	63	34.29	EM801-2200	22.0	41	98	72.22
EM803-637	5/16	18	64	19.28	EM803-049	7/8	41	98	78.06
EM801-0800	8.0	18	63	19.99	EM801-2300	23.0	41	98	61.00
EM801-0850	8.5	21	66	34.29	EM803-053	15/16	41	98	78.68
EM803-641	11/32	21	66	19.66	EM801-2400	24.0	41	98	81.48
EM801-0900	9.0	21	66	34.29	EM801-2500	25.0	44	101	81.48
EM801-0950	9.5	21	66	34.29	EM803-057	1"	43	102	78.68
EM803-645	3/8	22	67	19.66	EM801-2800	28.0	46	104	107.40
EM801-1000	10.0	21	66	19.99	EM803-065	1.1/8	46	105	140.24
EM803-648	13/32	21	66	22.38	EM801-3000	30.0	46	104	141.58
EM801-1050	10.5	21	66	43.30	EM803-073	1.1/4	51	113	157.82
EM801-1100	11.0	21	66	43.30	EM801-3200	32.0	51	112	193.61

CAPITAL

CUTTING TOOLS



ENDMILLS Co8 - SHORT SERIES

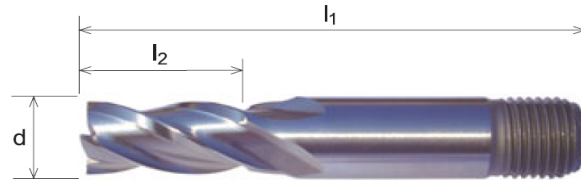
THREADED SHANK - CENTRE CUTTING

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
EM803-081	1.3/8	54	116	172.20	EM801-4500	45.0	57	119	283.95
EM801-3500	35.0	54	116	203.51	EM801-5000	50.0	65	127	317.52
EM801-3600	36.0	54	116	185.93	EM803-0122	2"	65	127	305.91
EM801-3800	38.0	54	116	198.87	EM801-5500	55.0	68	135	415.57
EM803-090	1.1/2	54	116	198.87	EM803-0130	2.1/4	68	135	426.60
EM801-4000	40.0	55	117	295.86	EM801-6000	60.0	74	143	481.36
EM803-0104	1.3/4	57	119	261.78	EM803-0138	2.1/2	74	143	509.17

ENDMILLS - 1.1/8 and over 1" Shank
28.0mm and over 25.0mm Shank

CAPITAL

CUTTING TOOLS



ENDMILLS Co8 - LONG SERIES

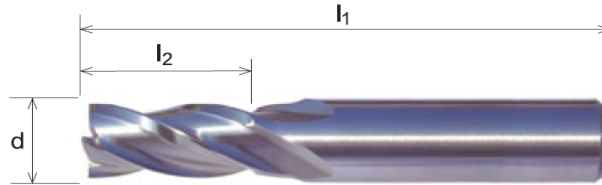
THREADED SHANK - CENTRE CUTTING

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
EM802-0300	3.0	19	63	19.77	EM802-1600	16.0	58	108	43.86
EM804-616	1/8	19	64	18.45	EM804-037	11/16	70	115	55.41
EM804-619	5/32	25	70	17.65	EM802-1800	18.0	70	115	56.27
EM802-0400	4.0	25	70	17.95	EM802-1900	19.0	76	121	60.79
EM804-623	3/16	25	70	17.19	EM804-668	3/4	76	121	62.44
EM802-0500	5.0	31	76	17.95	EM802-2000	20.0	76	121	63.53
EM804-627	7/32	32	76	17.65	EM802-2200	22.0	85	143	94.46
EM802-0600	6.0	31	76	18.74	EM804-049	7/8	86	143	94.46
EM804-630	1/4	32	76	17.95	EM802-2400	24.0	92	149	107.91
EM802-0700	7.0	34	79	22.96	EM802-2500	25.0	100	157	112.90
EM804-634	9/32	34	79	22.25	EM804-057	1"	100	157	112.87
EM804-637	5/16	34	79	21.84	EM802-2800	28.0	98	157	176.60
EM802-0800	8.0	34	79	23.34	EM804-065	1.1/8	100	157	176.60
EM802-0850	8.5	34	79	23.97	EM802-3000	30.0	101	163	194.69
EM802-0900	9.0	37	82	39.69	EM804-073	1.1/4	102	164	200.76
EM804-645	3/8	37	83	22.41	EM802-3200	32.0	101	163	202.81
EM802-1000	10.0	37	82	23.34	EM804-081	1.3/8	102	164	232.31
EM802-1100	11.0	41	89	48.88	EM802-3500	35.0	101	163	235.45
EM804-652	7/16	42	89	28.49	EM802-3800	38.0	101	163	248.88
EM802-1200	12.0	49	95	28.12	EM804-090	1.1/2	102	164	248.88
EM804-659	1/2	49	95	29.67	EM802-4000	40.0	101	163	313.85
EM802-1300	13.0	50	95	55.39	EM804-0104	1.3/4	102	164	294.48
EM802-1400	14.0	57	101	36.70	EM802-4500	45.0	101	163	322.74
EM804-663	9/16	57	102	37.95	EM802-5000	50.0	101	163	404.16
EM802-1500	15.0	58	103	63.06	EM804-0122	2"	102	164	404.16
EM804-664	5/8	59	109	46.30					

ENDMILLS - 1.1/8 and over 1" Shank
28.0mm and over 25.0mm Shank

CAPITAL

CUTTING TOOLS



ENDMILLS PLAIN SHANK Co8 - SHORT SERIES

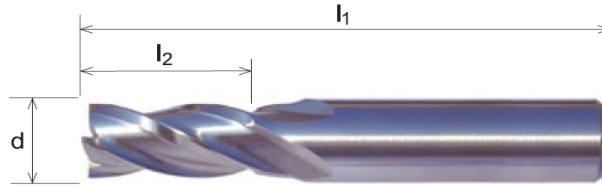
CENTRE CUTTING

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
EP801-0300	3.0	8	52	15.42	EP803-664	5/8	26	83	32.78
EP801-0400	4.0	11	55	15.17	EP801-1600	16.0	32	92	33.73
EP801-0500	5.0	13	57	15.42	EP801-1700	17.0	32	92	40.76
EP801-0600	6.0	13	57	15.17	EP801-1800	18.0	32	92	40.76
EP803-630	1/4	13	57	15.42	EP801-1900	19.0	32	92	43.63
EP801-0700	7.0	16	66	19.99	EP803-668	3/4	32	92	43.19
EP803-637	5/16	16	66	19.27	EP801-2000	20.0	38	104	45.35
EP801-0800	8.0	19	69	19.99	EP801-2100	21.0	38	104	45.35
EP801-0900	9.0	19	69	24.54	EP801-2200	22.0	38	104	72.22
EP803-645	3/8	22	72	19.67	EP803-049	7/8	38	104	78.06
EP801-1000	10.0	22	72	19.99	EP801-2300	23.0	38	104	61.00
EP801-1100	11.0	22	79	24.54	EP801-2400	24.0	38	104	81.48
EP803-652	7/16	22	79	23.50	EP801-2500	25.0	45	121	81.48
EP801-1200	12.0	26	83	25.35	EP803-057	1"	45	121	81.48
EP803-659	1/2	26	83	25.01	EP803-065	1.1/8	100	157	118.15
EP801-1300	13.0	26	83	35.42	EP801-3000	30.0	101	163	118.15
EP801-1400	14.0	26	83	29.04	EP801-3200	32.0	101	163	171.52
EP803-663	9/16	26	83	30.56	EP801-3500	35.0	101	163	181.40
EP801-1500	15.0	26	83	39.93	EP801-4000	40.0	101	163	273.76

ENDMILLS - 1.1/8 and over 1" Shank
28.0mm and over 25.0mm Shank

CAPITAL

CUTTING TOOLS



ENDMILLS PLAIN SHANK Co8 - LONG SERIES

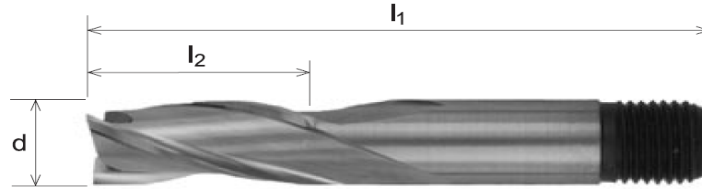
CENTRE CUTTING

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
EP802-0300	3.0	12	56	19.77	EP802-1300	13.0	53	110	49.76
EP802-0400	4.0	19	63	17.95	EP802-1400	14.0	53	110	36.70
EP802-0500	5.0	24	68	17.95	EP804-663	9/16	63	123	36.70
EP802-0600	6.0	24	68	18.74	EP802-1500	15.0	63	123	57.69
EP804-630	1/4	24	68	18.74	EP804-664	5/8	63	123	43.93
EP802-0700	7.0	30	80	22.96	EP802-1600	16.0	63	123	43.93
EP804-637	5/16	30	80	23.34	EP802-1800	18.0	63	123	56.27
EP802-0800	8.0	38	88	23.34	EP804-668	3/4	63	123	63.53
EP802-0900	9.0	38	88	34.28	EP802-2000	20.0	75	141	63.53
EP804-645	3/8	45	95	23.34	EP802-2200	22.0	75	141	100.29
EP802-1000	10.0	45	95	23.34	EP804-049	7/8	75	141	100.29
EP802-1100	11.0	45	102	43.30	EP802-2400	24.0	90	166	115.55
EP804-652	7/16	53	110	31.25	EP802-2500	25.0	90	166	115.55
EP802-1200	12.0	53	110	28.12	EP804-057	1"	90	166	115.55
EP804-659	1/2	53	110	28.12					

ENDMILLS - 1.1/8 and over 1" Shank
28.0mm and over 25.0mm Shank

CAPITAL

CUTTING TOOLS



THREE FLUTE ENDMILLS Co8 - SHORT SERIES

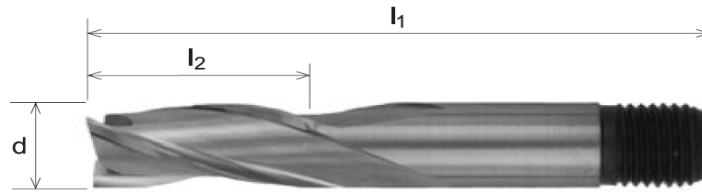
THREADED SHANK - CENTRE CUTTING

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
3F801-0300	3.0	9	54	23.46	3F803-663	9/16	29	73	37.93
3F801-0400	4.0	12	57	23.46	3F801-1500	15.0	26	71	43.56
3F801-0500	5.0	16	60	23.46	3F803-664	5/8	32	77	40.13
3F801-0600	6.0	16	60	23.46	3F801-1600	16.0	26	77	43.56
3F803-630	1/4	16	60	24.62	3F801-1700	17.0	35	80	49.10
3F801-0700	7.0	16	60	36.01	3F801-1800	18.0	35	80	49.10
3F803-637	5/16	18	64	29.38	3F801-1900	19.0	38	83	53.82
3F801-0800	8.0	18	63	29.99	3F803-668	3/4	38	83	53.82
3F801-0900	9.0	21	66	36.01	3F801-2000	20.0	38	83	59.53
3F803-645	3/8	22	67	29.99	3F801-2200	22.0	41	98	85.55
3F801-1000	10.0	21	66	36.01	3F803-049	7/8	41	98	85.55
3F801-1100	11.0	21	66	31.62	3F801-2500	25.0	44	101	104.53
3F803-652	7/16	22	67	33.50	3F803-057	1"	43	102	104.53
3F801-1200	12.0	24	70	31.62	3F803-065	1.1/8	46	105	195.38
3F803-659	1/2	24	70	32.40	3F803-073	1.1/4	51	113	200.43
3F801-1300	13.0	24	70	36.24	3F803-081	1.3/8	54	116	251.13
3F801-1400	14.0	28	73	35.34	3F803-090	1.1/2	54	116	261.98

ENDMILLS - 1.1/8 and over 1" Shank
28.0mm and over 25.0mm Shank

CAPITAL

CUTTING TOOLS



THREE FLUTE ENDMILLS Co8 - LONG SERIES

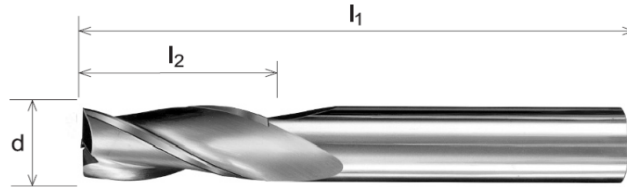
THREADED SHANK - CENTRE CUTTING

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
3F802-0600	6.0	31	76	28.69	3F804-664	5/8	59	109	58.03
3F804-630	1/4	32	76	28.69	3F802-1600	16.0	58	108	60.03
3F804-637	5/16	34	79	35.27	3F802-1800	18.0	70	115	65.97
3F802-0800	8.0	34	79	35.27	3F804-668	3/4	76	121	80.29
3F804-645	3/8	37	83	37.37	3F802-2000	20.0	76	121	100.45
3F802-1000	10.0	37	82	37.98	3F802-2200	22.0	85	143	129.13
3F802-1100	11.0	41	89	40.13	3F804-049	7/8	86	143	131.64
3F804-652	7/16	42	89	40.13	3F802-2500	25.0	100	157	141.22
3F802-1200	12.0	49	95	40.13	3F804-057	1"	100	157	141.22
3F804-659	1/2	49	95	40.13	3F804-065	1.1/8	100	157	276.27
3F802-1400	14.0	57	101	42.83	3F804-073	1.1/4	102	164	281.21
3F804-663	9/16	57	102	46.33	3F804-081	1.3/8	102	164	307.92
3F802-1500	15.0	58	103	60.03	3F804-090	1.1/2	102	164	308.88

ENDMILLS - 1.1/8 and over 1" Shank
28.0mm and over 25.0mm Shank

CAPITAL

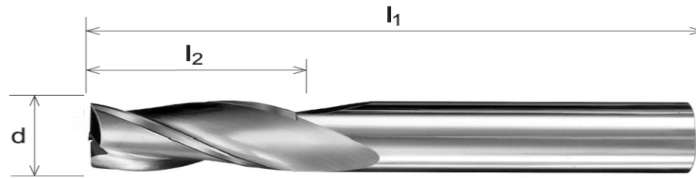
CUTTING TOOLS



THREE FLUTE ENDMILLS PLAIN SHANK Co8 - SHORT SERIES

CENTRE CUTTING

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
3P801-0300	3.0	9	54	23.46	3P801-1300	13.0	24	70	36.24
3P801-0400	4.0	12	57	23.46	3P801-1400	14.0	28	73	35.34
3P801-0500	5.0	16	60	23.46	3P801-1500	15.0	26	71	43.56
3P801-0600	6.0	16	60	23.46	3P801-1600	16.0	26	77	43.56
3P801-0700	7.0	16	60	36.01	3P801-1700	17.0	35	80	49.10
3P801-0800	8.0	18	63	29.99	3P801-1800	18.0	35	80	49.10
3P801-0900	9.0	21	66	36.01	3P801-1900	19.0	38	83	53.82
3P801-1000	10.0	21	66	36.01	3P801-2000	20.0	38	83	59.53
3P801-1100	11.0	21	66	31.62	3P801-2200	22.0	41	98	85.55
3P801-1200	12.0	24	70	31.62	3P801-2500	25.0	44	101	104.53



THREE FLUTE ENDMILLS PLAIN SHANK Co8 - LONG SERIES

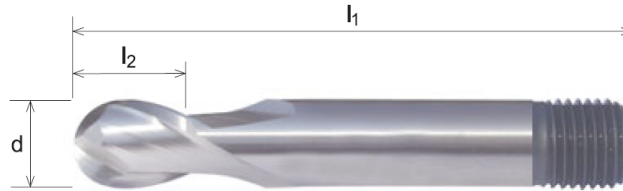
CENTRE CUTTING

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
3P802-0300	3.0	31	76	28.16	3P802-1300	13.0	57	101	42.83
3P802-0400	4.0	32	76	28.16	3P802-1400	14.0	57	102	42.83
3P802-0500	5.0	34	79	28.69	3P802-1500	15.0	58	103	60.03
3P802-0600	6.0	34	79	28.69	3P802-1600	16.0	59	109	60.03
3P802-0700	7.0	37	83	35.27	3P802-1800	18.0	70	115	65.72
3P802-0800	8.0	37	82	35.27	3P802-1900	19.0	76	121	100.45
3P802-0900	9.0	41	89	37.98	3P802-2000	20.0	76	121	100.45
3P802-1000	10.0	42	89	37.98	3P802-2200	22.0	85	143	129.13
3P802-1100	11.0	49	95	40.13	3P802-2500	25.0	86	143	141.22
3P802-1200	12.0	49	95	40.13					

ENDMILLS - 1.1/8 and over 1" Shank
28.0mm and over 25.0mm Shank

CAPITAL

CUTTING TOOLS



BALL NOSE SLOT DRILLS Co8 - SHORT SERIES

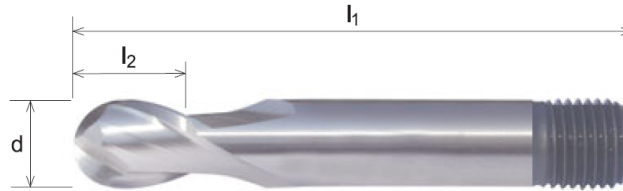
THREADED SHANK - CENTRE CUTTING

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
BSD801-0200	2.0	4	48	36.24	BSD803-668	3/4	25	77	88.29
BSD801-0300	3.0	5	49	31.71	BSD801-2000	20.0	19	79	98.77
BSD803-616	1/8	8	51	31.71	BSD801-2100	21.0	19	79	142.81
BSD801-0400	4.0	7	51	31.71	BSD801-2200	22.0	26	102	134.71
BSD803-623	3/16	10	52	31.71	BSD803-049	7/8	25	100	134.71
BSD801-0500	5.0	8	52	31.71	BSD801-2400	24.0	26	102	135.45
BSD801-0600	6.0	8	52	31.71	BSD801-2500	25.0	26	102	138.29
BSD803-630	1/4	11	56	31.71	BSD803-057	1"	27	95	140.85
BSD801-0700	7.0	10	60	45.78	BSD801-2800	28.0	26	102	203.04
BSD803-637	5/16	13	60	40.32	BSD803-065	1.1/8	30	95	203.04
BSD801-0800	8.0	11	61	43.77	BSD801-3000	30.0	26	102	306.54
BSD801-0900	9.0	11	61	55.78	BSD803-073	1.1/4	35	117	315.22
BSD803-645	3/8	14	60	40.32	BSD801-3200	32.0	32	112	315.22
BSD801-1000	10.0	13	63	55.65	BSD803-081	1.3/8	40	111	323.93
BSD801-1100	11.0	13	70	55.65	BSD801-3500	35.0	32	112	331.11
BSD803-652	7/16	17	65	41.61	BSD801-3800	38.0	43	115	401.75
BSD801-1200	12.0	16	73	55.65	BSD803-090	1.1/2	43	115	331.11
BSD803-659	1/2	19	67	55.65	BSD801-4000	40.0	38	118	401.75
BSD801-1300	13.0	16	73	65.81	BSD803-098	1.5/8	48	118	510.73
BSD801-1400	14.0	16	73	68.14	BSD803-0104	1.3/4	48	118	510.73
BSD801-1500	15.0	16	73	74.63	BSD801-4500	45.0	38	118	510.73
BSD803-664	5/8	22	72	74.63	BSD803-0108	1.7/8	45	125	588.47
BSD801-1600	16.0	19	79	74.63	BSD801-5000	50.0	45	125	578.34
BSD801-1700	17.0	19	79	88.29	BSD803-0122	2"	51	118	588.47
BSD801-1800	18.0	19	79	88.29					

SLOT DRILLS - 1.1/8 and over 1" Shank
28.0mm and over 25.0mm Shank

CAPITAL

CUTTING TOOLS



BALL NOSE SLOT DRILLS Co8 - LONG SERIES

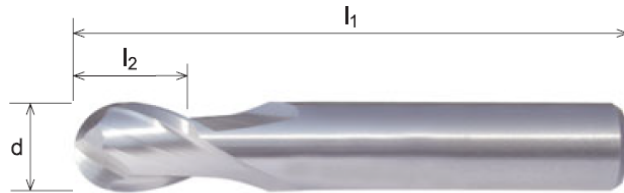
THREADED SHANK - CENTRE CUTTING

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
BSD802-0200	2.0	4	51	49.24	BSD802-1800	18.0	35	114	119.38
BSD802-0300	3.0	11	60	49.24	BSD804-668	3/4	38	121	122.40
BSD804-616	1/8	11	64	41.98	BSD802-2000	20.0	38	120	122.21
BSD802-0400	4.0	12	66	45.58	BSD802-2200	22.0	41	140	160.73
BSD804-623	3/16	13	70	45.58	BSD804-049	7/8	42	140	160.73
BSD802-0500	5.0	12	70	45.58	BSD802-2400	24.0	41	152	185.88
BSD802-0600	6.0	16	76	46.10	BSD802-2500	25.0	44	159	188.51
BSD804-630	1/4	16	76	46.10	BSD804-057	1"	44	159	188.51
BSD802-0700	7.0	16	76	56.73	BSD802-2800	28.0	47	159	245.68
BSD804-637	5/16	19	79	52.22	BSD804-065	1.1/8	48	159	245.68
BSD802-0800	8.0	19	79	52.22	BSD802-3000	30.0	51	159	343.53
BSD802-0900	9.0	22	82	60.14	BSD804-073	1.1/4	51	159	375.35
BSD804-645	3/8	22	73	55.31	BSD802-3200	32.0	51	159	375.35
BSD802-1000	10.0	22	82	55.31	BSD804-081	1.3/8	54	159	384.48
BSD802-1100	11.0	22	89	60.07	BSD802-3500	35.0	54	159	432.63
BSD804-652	7/16	22	89	60.07	BSD802-3800	38.0	57	159	486.52
BSD802-1200	12.0	25	95	62.71	BSD804-090	1.1/2	57	159	432.05
BSD804-659	1/2	25	95	62.71	BSD802-4000	40.0	63	159	486.52
BSD802-1300	13.0	25	95	62.71	BSD804-0104	1.3/4	64	159	572.37
BSD802-1400	14.0	28	101	68.85	BSD802-4500	45.0	63	159	572.37
BSD802-1500	15.0	31	108	75.54	BSD802-5000	50.0	63	159	630.07
BSD804-664	5/8	32	108	85.39	BSD804-0122	2"	64	159	635.98
BSD802-1600	16.0	31	108	94.96					

SLOT DRILLS - 1.1/8 and over 1" Shank
28.0mm and over 25.0mm Shank

CAPITAL

CUTTING TOOLS



BALL NOSE SLOT DRILLS PLAIN SHANK Co8 - SHORT SERIES

CENTRE CUTTING

Code	Size	l_2	l_1	\$ ea.	Code	Size	l_2	l_1	\$ ea.
BP801-0200	2.0	4	48	34.63	BP801-1300	13.0	16	73	64.81
BP801-0300	3.0	5	49	34.63	BP801-1400	14.0	16	73	64.81
BP801-0400	4.0	7	51	34.63	BP801-1500	15.0	16	73	68.54
BP801-0500	5.0	8	52	34.63	BP801-1600	16.0	19	79	77.95
BP801-0600	6.0	8	52	36.23	BP801-1700	17.0	19	79	87.78
BP801-0700	7.0	10	60	41.99	BP801-1800	18.0	19	79	87.78
BP801-0800	8.0	11	61	42.35	BP801-1900	19.0	19	79	112.55
BP801-0900	9.0	11	61	45.11	BP801-2000	20.0	19	79	99.70
BP801-1000	10.0	13	63	45.94	BP801-2200	22.0	26	102	146.04
BP801-1100	11.0	13	70	62.14	BP801-2400	24.0	26	102	154.71
BP801-1200	12.0	16	73	62.71	BP801-2500	25.0	26	102	158.06

SLOT DRILLS - 1.1/8 and over 1" Shank
 28.0mm and over 25.0mm Shank

CAPITAL

CUTTING TOOLS



PLAIN SHANK SLOT DRILL SETS - SHORT SERIES

Code	Sizes	\$ ea.
SP100	M3, M4, M5, M6, M8, M10, M12	195.24
SP200	M3, M4, M5, M6, M7, M8, M9, M10, M11, M12	272.46
SP300	M3, M4, M5, M6, M8, M10, M12, M14, M16, M20	303.92
SP400	M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M14, M16, M20	381.14
SP500	M3, M4, M5, M6, M8, M10, M12, M14, M16, M20, M22, M25	459.42

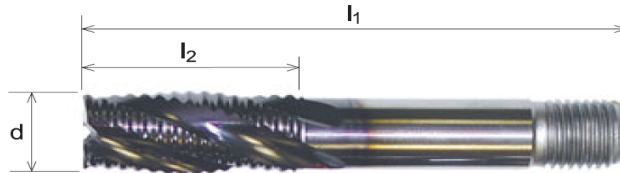


PLAIN SHANK END MILL SETS - SHORT SERIES

Code	Sizes	\$ ea.
EP100	M3, M4, M5, M6, M8, M10, M12	175.76
EP200	M3, M4, M5, M6, M7, M8, M9, M10, M11, M12	244.83
EP300	M3, M4, M5, M6, M8, M10, M12, M14, M16, M20	283.89
EP400	M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M14, M16, M20	352.96
EP500	M3, M4, M5, M6, M8, M10, M12, M14, M16, M20, M22, M25	437.59

CAPITAL

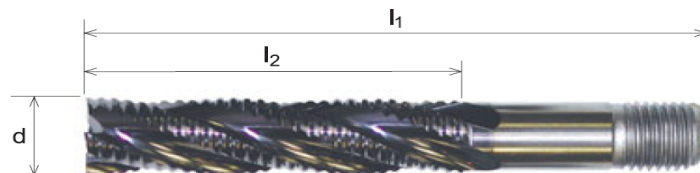
CUTTING TOOLS



ROUGHING ENDMILLS COARSE PITCH - SHORT SERIES

HSS Co - THREADED SHANK

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
476-0600	6.0	16	60	33.34	476-2000	20.0	38	83	94.59
477-630	1/4	16	60	33.34	476-2200	22.0	41	98	143.03
477-637	5/16	18	64	41.91	477-049	7/8	41	98	143.03
476-0800	8.0	18	63	41.91	476-2500	25.0	44	101	151.33
477-645	3/8	22	67	47.30	477-057	1"	43	102	151.33
476-1000	10.0	21	66	47.30	476-2800	28.0	46	104	258.47
476-1200	12.0	24	70	53.34	476-3000	30.0	46	104	268.65
477-659	1/2	24	70	53.34	476-3200	32.0	51	112	296.41
476-1400	14.0	28	73	68.59	476-3500	35.0	54	116	357.33
477-664	5/8	32	77	72.55	476-3800	38.0	54	116	435.98
476-1600	16.0	26	77	72.55	476-4000	40.0	55	117	465.12
476-1800	18.0	35	80	79.48	476-4500	45.0	57	119	604.64
477-668	3/4	38	83	94.59	476-5000	50.0	65	127	645.25



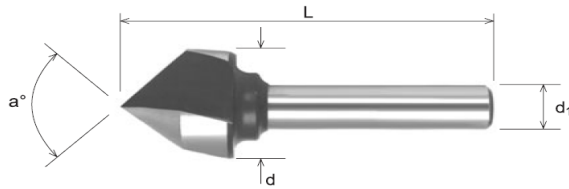
ROUGHING ENDMILLS COARSE PITCH - LONG SERIES

HSS Co - THREADED SHANK

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
479-645	3/8	37	83	55.19	479-049	7/8	86	143	216.21
478-1000	10.0	37	82	55.19	478-2500	25.0	100	157	232.04
478-1200	12.0	49	95	67.02	479-057	1"	100	157	232.04
479-659	1/2	49	95	67.02	478-2800	28.0	98	157	367.71
478-1400	14.0	57	101	82.86	478-3000	30.0	101	163	354.18
479-664	5/8	59	109	89.40	478-3200	32.0	101	163	434.20
478-1600	16.0	58	108	89.40	478-3500	35.0	101	163	527.18
478-1800	18.0	70	115	143.80	478-3800	38.0	101	163	578.17
479-668	3/4	76	121	149.87	478-4000	40.0	101	163	584.64
478-2000	20.0	76	121	149.87	478-4500	45.0	101	163	758.70
478-2200	22.0	85	143	216.21	478-5000	50.0	101	163	799.03

CAPITAL

CUTTING TOOLS



PARALLEL SHANK COUNTERSINKS

3 FLUTE HSS-Co.

Code	Size (d)	d ₁	L	\$ ea.
60°				
671-0630	6.3	5	45	32.79
671-0800	8.0	6	50	25.05
671-1000	10.0	6	50	30.61
671-1250	12.5	8	56	37.81
671-1600	16.0	10	63	45.56
671-2000	20.0	10	67	60.38
671-2500	25.0	10	71	81.62
671-3150	31.5	12	76	131.55
671-4000	40.0	16	83	223.10
671-5000	50.0	16	92	259.22

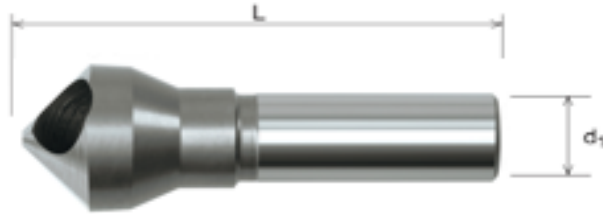
Code	Size	d ₁	L	\$ ea.
82°				
669-0630	6.3	5	45	32.79
669-0800	8.0	6	50	25.05
669-1000	10.0	6	50	30.61
669-1250	12.5	8	56	37.81
669-1600	16.0	10	60	45.56
669-2000	20.0	10	63	60.38
669-2500	25.0	10	67	81.62
669-3150	31.5	12	70	131.55
669-4000	40.0	16	76	223.10
669-5000	50.0	16	82	259.22

Code	Size	d ₁	L	\$ ea.
90°				
672-0630	6.3	5	45	32.79
672-0800	8.0	6	50	25.05
672-1000	10.0	6	50	30.61
672-1250	12.5	8	56	37.81
672-1600	16.0	10	60	45.56
672-2000	20.0	10	63	60.38
672-2500	25.0	10	67	81.62
672-3150	31.5	12	70	131.55
672-4000	40.0	16	76	223.10
672-5000	50.0	16	82	259.22

Code	Size (d)	d ₁	L	\$ ea.
120°				
670-0800	8.0	6	50	25.05
670-1000	10.0	6	50	30.61
670-1250	12.5	8	56	37.81
670-1600	16.0	10	63	45.56
670-2000	20.0	10	67	60.38
670-2500	25.0	10	71	81.62

CAPITAL

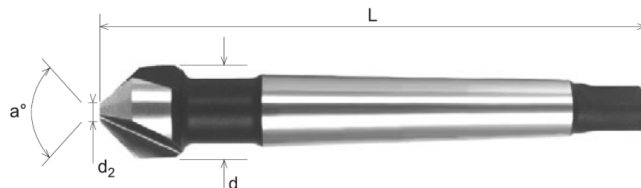
CUTTING TOOLS



CROSSHOLE COUNTERSINKS

3 FLUTE HSS-Co.

Code	Size	Angle	\$ ea.	Code	Size	Angle	\$ ea.
661-1000	10.0	90°	36.52	661-3000	30.0	90°	222.10
661-1500	15.0	90°	40.10	661-3500	35.0	90°	267.17
661-2000	20.0	90°	106.93	661-4000	40.0	90°	294.81
661-2500	25.0	90°	149.18	661-5000	50.0	90°	342.57



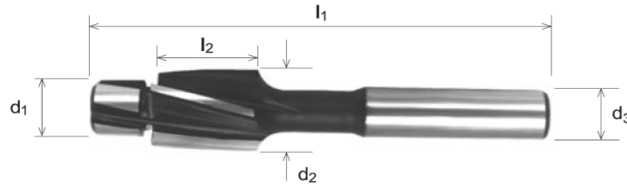
MTS COUNTERSINKS

3 FLUTE HSS-Co.

Code	Size (d)	d ₂	L	\$ ea.	Code	Size	d ₂	L	\$ ea.
60°					90°				
No. 1 MORSE TAPER SHANK					No. 1 MORSE TAPER SHANK				
673-1600	16.0	4	90	80.36	674-1600	16.0	4	90	83.57
No. 2 MORSE TAPER SHANK					No. 2 MORSE TAPER SHANK				
673-2000	20.0	5	106	101.38	674-2000	20.0	5	106	105.43
673-2500	25.0	6.3	112	134.18	674-2500	25.0	6.3	112	139.55
673-3150	31.5	10	118	149.12	674-3150	31.5	10	118	155.08
No. 3 MORSE TAPER SHANK					No. 3 MORSE TAPER SHANK				
673-4000	40.0	12.5	150	220.65	674-4000	40.0	12.5	150	229.48
673-5000	50.0	16	160	354.87	674-5000	50.0	16	160	369.06
No. 4 MORSE TAPER SHANK					No. 4 MORSE TAPER SHANK				
673-6300	63.0	20	190	566.55	674-6300	63.0	20	190	589.21
673-8300	83.0	25	200	729.20	674-8300	83.0	25	200	758.36

CAPITAL

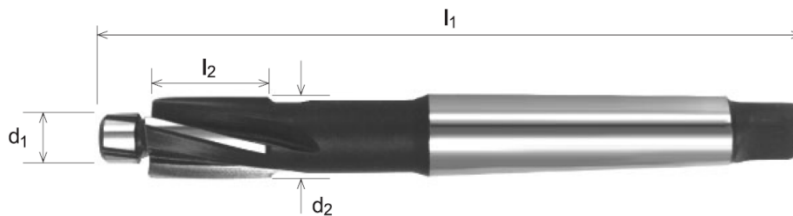
CUTTING TOOLS



COUNTERBORES

HSS PARALLEL SHANK

Code	Size	d_2	d_1	d_3	l_2	l_1	\$ ea.
R7PM-0300	3.0	6	3.4	5	14	71	63.28
R7PM-0350	3.5	6.5	3.9	5	14	71	72.15
R7PM-0400	4.0	8	4.5	5	14	71	60.28
R7PM-0500	5.0	10	5.5	8	18	80	66.25
R7PM-0600	6.0	11	6.6	8	18	80	70.17
R7PM-0800	8.0	15	9	12.5	22	100	116.05
R7PM-1000	10.0	18	11	12.5	22	100	143.05
R7PM-1200	12.0	20	14	12.5	22	100	149.77



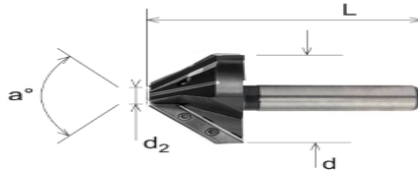
COUNTERBORES

HSS - MTS

Code	Size	d_2	d_1	l_2	l_1	\$ ea.
R7MM-0800	8.0	15	9	22	132	141.15
R7MM-1000	10.0	18	11	25	140	168.58
R7MM-1200	12.0	20	14	25	140	174.48
R7MM-1400	14.0	24	16	30	150	187.50
R7MM-1600	16.0	26	18	35	180	203.93
R7MM-1800	18.0	30	20	35	180	217.43
R7MM-2000	20.0	33	22	40	190	224.90
R7MM-2200	22.0	36	24	40	190	247.09
R7MM-2400	24.0	40	26	40	190	247.33

CAPITAL

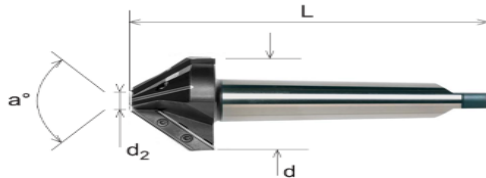
CUTTING TOOLS



PARALLEL SHANK TUNGSTEN CARBIDE COUNTERSINKS INDEXABLE TYPE

Code	Size	d ₂	L	\$ ea.
90°				
13.0 Shank Diameter				
676-2500	25.0	8	90	484.74
676-2501	Replacement Tip			44.57
676-4000	40.0	10	90	504.24
676-4001	Replacement Tip			44.57
16.0 Shank Diameter				
678-2500	25.0	8	90	484.74
678-2501	Replacement Tip			44.57
678-4000	40.0	10	110	504.24
678-4001	Replacement Tip			44.57
678-5000	50.0	10	110	749.40
678-5001	Replacement Tip			54.32
19.0 Shank Diameter				
680-4000	40.0	10	110	504.24
680-4001	Replacement Tip			44.57
680-5000	50.0	10	110	749.40
680-5001	Replacement Tip			54.32

All cutters supplied complete with carbide tips



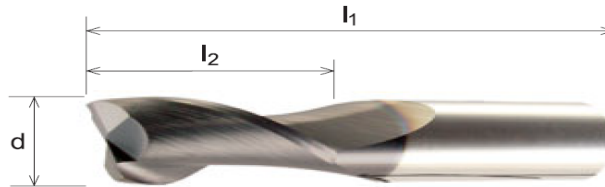
**M.T.S TUNGSTEN CARBIDE COUNTERSINKS
INDEXABLE TYPE**

Code	Size	d ₂	L	\$ ea.
90°				
No. 1 MORSE TAPER SHANK				
682-2500	25.0	8	130	511.21
682-2501	Replacement Tip			44.57
No. 2 MORSE TAPER SHANK				
684-2500	25.0	8	130	518.17
684-2501	Replacement Tip			44.57
684-4000	40.0	10	150	557.17
684-4001	Replacement Tip			44.57
No. 3 MORSE TAPER SHANK				
686-4000	40.0	10	150	557.17
686-4001	Replacement Tip			44.57
686-5000	50.0	10	150	685.32
686-5001	Replacement Tip			54.32

All cutters supplied complete with carbide tips

CAPITAL

CUTTING TOOLS



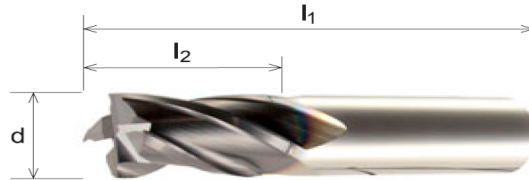
CARBIDE SLOT DRILLS - TiCN COATED

MICRO-GRAIN CARBIDE - CNC GROUND

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
TCSD615	3.0	9	39	30.24	TCSD645	3/8	21	68	74.06
TCSD616	1/8	9	39	28.07	TCSD647	10.0	22	76	90.73
TCSD617	3.5	9	39	36.09	TCSD648	13/32	22	76	127.57
TCSD619	5/32	14	51	55.09	TCSD649	10.5	22	76	103.75
TCSD620	4.0	14	51	36.09	TCSD651	11.0	22	76	103.75
TCSD622	4.5	14	51	41.98	TCSD652	7/16	22	76	94.42
TCSD623	3/16	16	51	38.57	TCSD653	11.5	22	76	110.24
TCSD624	5.0	16	51	41.98	TCSD655	15/32	25	76	149.75
TCSD626	5.5	16	51	51.99	TCSD656	12.0	25	76	110.24
TCSD627	7/32	16	51	71.94	TCSD658	12.5	25	76	153.44
TCSD629	6.0	19	51	51.99	TCSD659	1/2	25	76	113.75
TCSD630	1/4	19	51	47.35	TCSD660	13.0	25	76	173.79
TCSD631	6.5	19	51	57.57	TCSD661	13.5	25	76	192.27
TCSD633	7.0	19	51	57.57	TCSD662	14.0	30	89	192.27
TCSD634	9/32	21	63	88.37	TCSD663	9/16	30	89	163.21
TCSD636	7.5	21	63	63.43	TCSD664	5/8	30	89	186.07
TCSD637	5/16	21	63	57.57	TCSD665	16.0	32	89	227.03
TCSD638	8.0	21	63	63.43	TCSD667	18.0	35	102	347.57
TCSD640	8.5	21	63	103.36	TCSD668	3/4	35	102	384.54
TCSD641	11/32	21	63	105.94	TCSD669	20.0	38	102	403.03
TCSD642	9.0	21	68	81.16	TCSD670	22.0	38	102	476.41
TCSD644	9.5	21	68	90.73	TCSD671	25.0	38	102	662.20

CAPITAL

CUTTING TOOLS



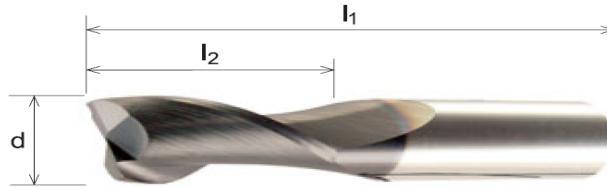
CARBIDE END MILLS - TiCN COATED

MICRO-GRAIN CARBIDE - CNC GROUND

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
TCSE615	3.0	9	39	30.24	TCSE645	3/8	21	68	74.06
TCSE616	1/8	9	39	28.07	TCSE647	10.0	22	76	90.73
TCSE617	3.5	9	39	36.09	TCSE648	13/32	22	76	127.57
TCSE619	5/32	14	51	55.09	TCSE649	10.5	22	76	103.75
TCSE620	4.0	14	51	36.09	TCSE651	11.0	22	76	103.75
TCSE622	4.5	14	51	41.98	TCSE652	7/16	22	76	94.42
TCSE623	3/16	16	51	38.57	TCSE653	11.5	22	76	110.24
TCSE624	5.0	16	51	41.98	TCSE655	15/32	25	76	149.75
TCSE626	5.5	16	51	51.99	TCSE656	12.0	25	76	110.24
TCSE627	7/32	16	51	71.94	TCSE658	12.5	25	76	153.44
TCSE629	6.0	19	51	51.99	TCSE659	1/2	25	76	113.75
TCSE630	1/4	19	51	47.35	TCSE660	13.0	25	76	173.79
TCSE631	6.5	19	51	57.57	TCSE661	13.5	25	76	192.27
TCSE633	7.0	19	51	57.57	TCSE662	14.0	30	89	192.27
TCSE634	9/32	21	63	88.37	TCSE663	9/16	30	89	163.21
TCSE636	7.5	21	63	63.43	TCSE664	5/8	30	89	186.07
TCSE637	5/16	21	63	57.57	TCSE665	16.0	32	89	227.03
TCSE638	8.0	21	63	63.43	TCSE667	18.0	35	102	347.57
TCSE640	8.5	21	63	103.36	TCSE668	3/4	35	102	384.54
TCSE641	11/32	21	63	105.94	TCSE669	20.0	38	102	403.03
TCSE642	9.0	21	68	81.16	TCSE670	22.0	38	102	476.41
TCSE644	9.5	21	68	90.73	TCSE671	25.0	38	102	662.20

CAPITAL

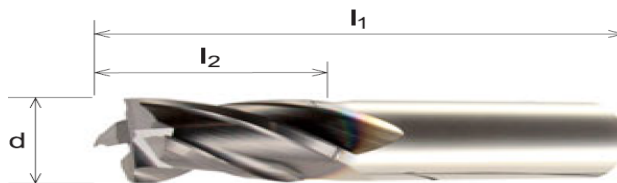
CUTTING TOOLS



CARBIDE LONG SERIES SLOT DRILLS - TiCN COATED

MICRO-GRAIN CARBIDE - CNC GROUND

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
CSLT615	3.0	19	57	58.69	CSLT652	7/16	51	102	159.14
CSLT616	1/8	19	57	58.71	CSLT656	12.0	51	102	187.43
CSLT620	4.0	19	57	62.93	CSLT659	1/2	51	102	187.43
CSLT623	3/16	25	64	67.86	CSLT662	14.0	57	127	266.78
CSLT624	5.0	25	64	68.19	CSLT663	9/16	57	127	306.94
CSLT629	6.0	28	76	75.69	CSLT664	5/8	57	127	343.70
CSLT630	1/4	28	76	75.83	CSLT665	16.0	57	127	344.40
CSLT637	5/16	29	76	101.51	CSLT667	18.0	57	127	418.55
CSLT638	8.0	29	76	101.52	CSLT668	3/4	57	127	429.16
CSLT645	3/8	32	102	119.57	CSLT669	20.0	57	127	484.21
CSLT647	10.0	32	102	134.29					



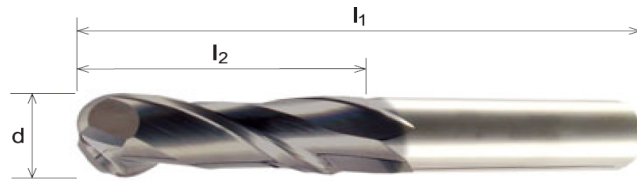
CARBIDE LONG SERIES END MILLS - TiCN COATED

MICRO-GRAIN CARBIDE - CNC GROUND

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
LSTCE615	3.0	19	57	58.69	LSTCE652	7/16	51	102	159.14
LSTCE616	1/8	19	57	58.71	LSTCE656	12.0	51	102	187.43
LSTCE620	4.0	19	57	62.93	LSTCE659	1/2	51	102	187.43
LSTCE623	3/16	25	64	67.86	LSTCE662	14.0	57	127	266.78
LSTCE624	5.0	25	64	68.19	LSTCE663	9/16	57	127	306.94
LSTCE629	6.0	28	76	75.69	LSTCE664	5/8	57	127	343.70
LSTCE630	1/4	28	76	75.83	LSTCE665	16.0	57	127	344.40
LSTCE637	5/16	29	76	101.51	LSTCE667	18.0	57	127	418.55
LSTCE638	8.0	29	76	101.52	LSTCE668	3/4	57	127	429.16
LSTCE645	3/8	32	102	119.57	LSTCE669	20.0	57	127	484.21
LSTCE647	10.0	32	102	134.29					

CAPITAL

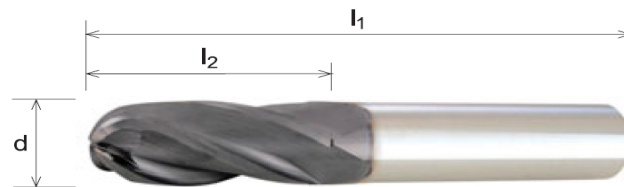
CUTTING TOOLS



CARBIDE BALL NOSE SLOT DRILLS - TiCN COATED

MICRO-GRAIN CARBIDE - CNC GROUND

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
TCSSB615	3.0	9	39	35.97	TCSSB647	10.0	22	76	107.64
TCSSB616	1/8	9	39	36.79	TCSSB652	7/16	22	76	118.50
TCSSB620	4.0	14	51	43.38	TCSSB656	12.0	25	76	130.75
TCSSB623	3/16	16	51	44.00	TCSSB659	1/2	25	76	133.67
TCSSB624	5.0	16	51	50.81	TCSSB662	14.0	30	89	230.04
TCSSB629	6.0	19	51	63.92	TCSSB663	9/16	30	89	234.25
TCSSB630	1/4	19	51	62.68	TCSSB664	5/8	30	89	274.72
TCSSB637	5/16	21	63	76.91	TCSSB665	16.0	32	89	270.05
TCSSB638	8.0	21	63	75.49	TCSSB667	18.0	35	102	402.25
TCSSB640	9.0	21	63	84.44	TCSSB668	3/4	35	102	430.76
TCSSB645	3/8	21	68	105.94	TCSSB669	20.0	38	102	480.77



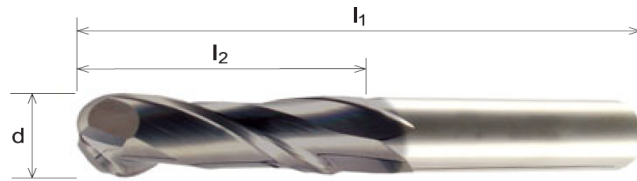
CARBIDE BALL NOSE END MILLS - TiCN COATED

MICRO-GRAIN CARBIDE - CNC GROUND

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
TCEB615	3.0	9	39	35.97	TCEB652	7/16	22	76	118.50
TCEB616	1/8	9	39	36.79	TCEB656	12.0	25	76	130.75
TCEB620	4.0	14	51	43.38	TCEB659	1/2	25	76	133.67
TCEB623	3/16	16	51	44.00	TCEB662	14.0	30	89	230.04
TCEB624	5.0	16	51	50.81	TCEB663	9/16	30	89	234.25
TCEB629	6.0	19	51	63.92	TCEB664	5/8	30	89	274.72
TCEB630	1/4	19	51	62.68	TCEB665	16.0	32	89	270.05
TCEB637	5/16	21	63	76.91	TCEB667	18.0	35	102	402.25
TCEB638	8.0	21	63	75.49	TCEB668	3/4	35	102	430.76
TCEB645	3/8	21	68	105.94	TCEB669	20.0	38	102	480.77
TCEB647	10.0	22	76	107.64					

CAPITAL

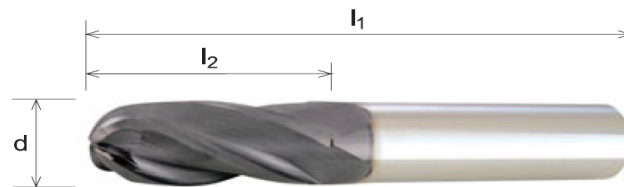
CUTTING TOOLS



CARBIDE LONG SERIES BALL NOSE SLOT DRILLS - TiCN COATED

MICRO-GRAIN CARBIDE - CNC GROUND

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
LECSB615	3.0	19	57	64.45	LECSB652	7/16	51	102	188.63
LECSB616	1/8	19	57	62.77	LECSB656	12.0	51	102	207.94
LECSB620	4.0	19	57	70.22	LECSB659	1/2	51	102	215.17
LECSB623	3/16	25	64	77.03	LECSB662	14.0	57	127	305.15
LECSB624	5.0	25	64	77.03	LECSB663	9/16	57	127	343.18
LECSB629	6.0	28	76	87.62	LECSB664	5/8	57	127	392.31
LECSB630	1/4	28	76	91.45	LECSB665	16.0	57	127	389.44
LECSB637	5/16	29	76	121.19	LECSB667	18.0	57	127	487.69
LECSB638	8.0	29	76	113.58	LECSB668	3/4	57	127	507.18
LECSB645	3/8	32	102	150.42	LECSB669	20.0	57	127	568.74
LECSB647	10.0	32	102	151.19					



CARBIDE LONG SERIES BALL NOSE END MILLS - TiCN COATED

MICRO-GRAIN CARBIDE - CNC GROUND

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
LTCEB615	3.0	19	57	64.45	LTCEB652	7/16	51	102	188.62
LTCEB616	1/8	19	57	62.77	LTCEB656	12.0	51	102	207.94
LTCEB620	4.0	19	57	70.22	LTCEB659	1/2	51	102	215.17
LTCEB623	3/16	25	64	77.03	LTCEB662	14.0	57	127	304.56
LTCEB624	5.0	25	64	77.03	LTCEB663	9/16	57	127	343.17
LTCEB629	6.0	28	76	87.62	LTCEB664	5/8	57	127	392.31
LTCEB630	1/4	28	76	91.44	LTCEB665	16.0	57	127	389.43
LTCEB637	5/16	29	76	121.19	LTCEB667	18.0	57	127	487.69
LTCEB638	8.0	29	76	113.57	LTCEB668	3/4	57	127	507.18
LTCEB645	3/8	32	102	150.43	LTCEB669	20.0	57	127	568.74
LTCEB647	10.0	32	102	151.19					

CAPITAL

CUTTING TOOLS



CARBIDE SLOT DRILL SETS - TiCN COATED

Code	Sizes	\$ ea.
CSDS-0412	M4, M5, M6, M8, M10, M12	345.13
CSDS-0416	M4, M5, M6, M8, M10, M12, M16	426.88
CSDS-0420	M4, M5, M6, M8, M10, M12, M16, M20	614.01

CARBIDE END MILL SETS - TiCN COATED

Code	Sizes	\$ ea.
CEMS-0412	M4, M5, M6, M8, M10, M12	345.13
CEMS-0416	M4, M5, M6, M8, M10, M12, M16	426.88
CEMS-0420	M4, M5, M6, M8, M10, M12, M16, M20	614.01

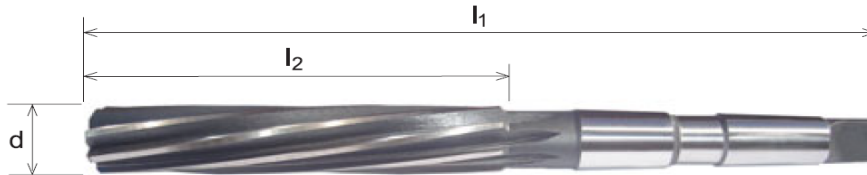
CARBIDE BALL NOSE SLOT DRILL SETS - TiCN COATED

Code	Sizes	\$ ea.
CBNSDS-0412	M4, M5, M6, M8, M10, M12	444.42
CBNSDS-0416	M4, M5, M6, M8, M10, M12, M16	514.60
CBNSDS-0420	M4, M5, M6, M8, M10, M12, M16, M20	748.50

CARBIDE SETS INCLUDE 2 EACH OF M4, M5 & M6, AND 1 OF EACH REMAINING SIZE LISTED ABOVE

CAPITAL

CUTTING TOOLS



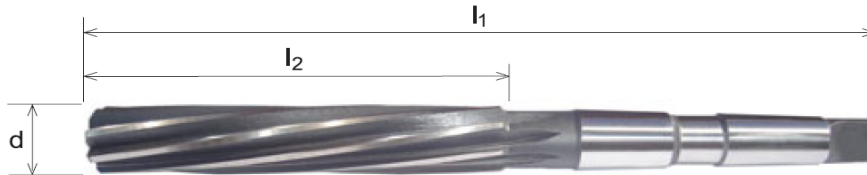
HSS H7 MTS MACHINE REAMERS

Code	Size	l ₂	l ₁	\$ ea.
No. 1 MORSE TAPER SHANK				
603R-00591	1.5	20	63	61.99
603R-00625	1/16	21	64	61.99
603R-00781	5/64	25	69	61.99
603R-00787	2.0	25	69	61.99
603R-00938	3/32	29	77	64.47
603R-00984	2.5	29	77	65.23
603R-01094	7/64	31	89	68.15
603R-01181	3.0	32	115	68.15
603R-01250	1/8	32	115	68.15
603R-01378	3.5	32	115	68.30
603R-01406	9/64	32	115	68.30
603R-01562	5/32	32	115	68.30
603R-01575	4.0	38	120	65.24
603R-01719	11/64	38	120	65.24
603R-01772	4.5	38	120	65.24
603R-01875	3/16	38	120	65.24
603R-01968	5.0	38	120	65.24
603R-02031	13/64	38	120	65.24
603R-02165	5.5	45	127	65.24
603R-02188	7/32	45	127	68.30
603R-02344	15/64	45	127	74.73
603R-02362	6.0	45	127	49.12
603R-02500	1/4	50	130	49.12
603R-02559	6.5	50	130	51.51
603R-02656	17/64	50	130	51.51
603R-02755	7.0	54	134	51.51
603R-02812	9/32	54	134	51.51
603R-02952	7.5	54	134	51.51
603R-02969	19/64	54	134	51.51
603R-03125	5/16	54	134	52.65
603R-03150	8.0	54	134	52.65

Code	Size	l ₂	l ₁	\$ ea.
603R-03281	21/64	54	134	54.08
603R-03346	8.5	54	134	54.08
603R-03438	11/32	62	142	54.55
603R-03543	9.0	62	142	52.67
603R-03594	23/64	62	142	52.67
603R-03740	9.5	62	142	52.67
603R-03750	3/8	66	146	52.67
603R-03906	25/64	66	146	52.67
603R-03937	10.0	66	146	53.41
603R-04062	13/32	66	146	58.35
603R-04134	10.5	66	146	66.69
603R-04219	27/64	66	146	75.30
603R-04331	11.0	71	151	66.69
603R-04375	7/16	71	151	58.35
603R-04528	11.5	71	151	72.38
603R-04531	29/64	71	151	66.92
603R-04688	15/32	76	156	61.41
603R-04724	12.0	76	156	63.69
603R-04844	31/64	76	156	80.82
603R-04921	12.5	76	156	69.09
603R-05000	1/2	76	156	61.38
603R-05118	13.0	76	156	76.92
603R-05156	33/64	76	156	86.85
603R-05312	17/32	81	161	70.15
603R-05314	13.5	81	161	93.97
603R-05469	35/64	81	161	93.97
603R-05512	14.0	81	161	76.45
No. 2 MORSE TAPER SHANK				
603R-05625	9/16	81	181	76.63
603R-05709	14.5	81	181	103.55
603R-05781	37/64	81	181	92.68

CAPITAL

CUTTING TOOLS



HSS H7 MTS MACHINE REAMERS

Code	Size	l ₂	l ₁	\$ ea.
603R-05906	15.0	81	181	100.04
603R-05938	19/32	87	187	94.64
603R-06094	39/64	87	187	111.87
603R-06102	15.5	87	187	111.87
603R-06250	5/8	87	187	81.70
603R-06299	16.0	87	187	99.80
603R-06406	41/64	87	187	111.87
603R-06496	16.5	87	187	111.87
603R-06562	21/32	87	187	99.80
603R-06693	17.0	87	187	99.80
603R-06719	43/64	87	187	111.87
603R-06785	11/16	93	193	94.27
603R-06890	17.5	93	193	132.54
603R-07031	45/64	93	193	132.54
603R-07087	18.0	93	193	123.70
603R-07188	23/32	93	193	120.11
603R-07283	18.5	93	193	139.61
603R-07344	47/64	93	193	139.61
603R-07480	19.0	93	193	130.65
603R-07500	3/4	100	200	108.80
603R-07656	49/64	100	200	149.30
603R-07677	19.5	100	200	149.30
603R-07812	25/32	100	200	149.30
603R-07874	20.0	100	200	130.65
603R-07969	51/64	100	200	150.91
603R-08071	20.5	100	200	130.32
603R-08125	13/16	100	200	116.30
603R-08268	21.0	100	200	167.15
603R-08281	53/64	100	200	184.25
603R-08438	27/32	107	207	184.25
603R-08465	21.5	107	207	155.73
603R-08594	55/64	107	207	184.25

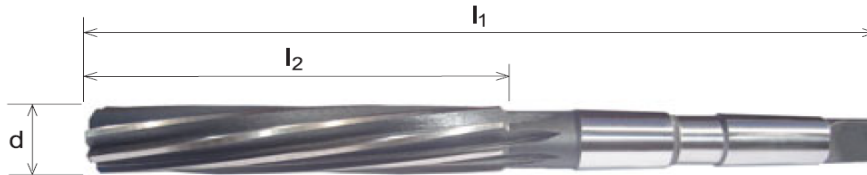
Code	Size	l ₂	l ₁	\$ ea.
603R-08661	22.0	107	207	141.39
603R-08750	7/8	107	207	131.43
603R-08858	22.5	107	207	141.91
603R-08906	57/64	107	207	188.99
603R-09055	23.0	107	207	168.70

No. 3 MORSE TAPER SHANK

603R-09062	29/32	107	207	168.70
603R-09219	59/64	107	207	188.99
603R-09252	23.5	107	207	169.75
603R-09375	15/16	115	242	178.83
603R-09449	24.0	115	242	178.83
603R-09531	61/64	115	242	209.08
603R-09646	24.5	115	242	179.35
603R-09688	31/32	115	242	209.08
603R-09843	25.0	115	242	184.99
603R-09844	63/64	115	242	218.08
603R-10000	1"	115	242	207.12
603R-10039	25.5	115	242	187.03
603R-10156	1.1/64	115	242	218.08
603R-10236	26.0	115	242	198.51
603R-10312	1.1/32	115	242	218.08
603R-10433	26.5	115	242	198.51
603R-10469	1.3/64	115	242	218.08
603R-10625	1.1/16	124	251	198.51
603R-10630	27.0	124	251	202.62
603R-10781	1.5/64	124	251	218.08
603R-10827	27.5	124	251	202.62
603R-10938	1.3/32	124	251	218.08
603R-11024	28.0	124	251	205.23
603R-11094	1.7/64	124	251	225.93
603R-11220	28.5	124	251	205.23

CAPITAL

CUTTING TOOLS

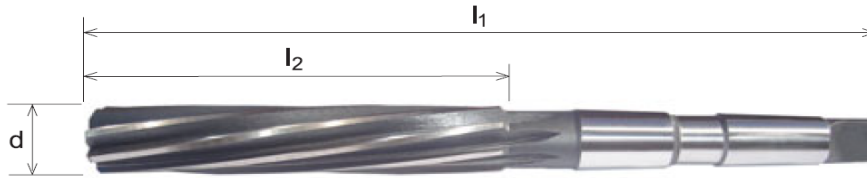


HSS H7 MTS MACHINE REAMERS

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
603R-11250	1.1/8	124	251	205.23	603R-14219	1.27/64	142	302	388.82
603R-11406	1.9/64	124	251	246.69	603R-14370	36.5	142	302	334.97
603R-11417	29.0	124	251	205.23	603R-14375	1.7/16	142	302	359.52
603R-11562	1.5/32	124	251	257.55	603R-14531	1.29/64	142	302	438.25
603R-11614	29.5	124	251	257.55	603R-14567	37.0	142	302	359.52
603R-11719	1.11/64	124	251	293.67	603R-14688	1.15/32	142	302	438.25
603R-11811	30.0	124	251	257.55	603R-14764	37.5	142	302	359.52
603R-11875	1.3/16	133	260	257.55	603R-14844	1.31/64	165	310	438.25
603R-12008	30.5	133	260	257.55	603R-14961	38.0	165	310	359.52
603R-12031	1.13/64	133	260	327.75	603R-15000	1.1/2	165	310	420.44
603R-12188	1.7/32	133	260	293.67	603R-15156	1.33/64	165	310	484.99
603R-12205	31.0	133	260	257.55	603R-15157	38.5	165	310	420.44
603R-12344	1.15/64	133	260	327.75	603R-15312	1.17/32	165	310	484.99
603R-12402	31.5	133	260	274.89	603R-15354	39.0	165	310	420.44
603R-12500	1.1/4	133	260	274.89	603R-15469	1.35/64	165	310	566.61
No. 4 MORSE TAPER SHANK					603R-15551	39.5	165	310	420.44
603R-12598	32.0	133	293	274.89	603R-15625	1.9/16	165	310	420.44
603R-12656	1.17/64	133	293	359.05	603R-15748	40.0	165	310	420.44
603R-12795	32.5	133	293	274.89	603R-15781	1.37/64	165	310	585.83
603R-12812	1.9/32	133	293	359.05	603R-15938	1.19/32	165	310	471.86
603R-12969	1.19/64	133	293	359.05	603R-15945	40.5	165	310	471.86
603R-12992	33.0	133	293	274.89	603R-16094	1.39/64	165	310	585.83
603R-13125	1.5/16	133	293	310.96	603R-16142	41.0	165	310	471.86
603R-13281	1.21/64	142	302	359.05	603R-16250	1.5/8	165	310	471.86
603R-13386	34.0	142	302	310.96	603R-16339	41.5	165	310	471.86
603R-13438	1.11/32	142	302	388.82	603R-16406	1.41/64	165	310	593.04
603R-13583	34.5	142	302	334.97	603R-16535	42.0	165	310	524.80
603R-13594	1.23/64	142	302	388.82	603R-16562	1.21/32	165	310	524.80
603R-13750	1.3/8	142	302	334.97	603R-16719	1.43/64	165	310	653.07
603R-13780	35.0	142	302	334.97	603R-16732	42.5	165	310	562.90
603R-13906	1.25/64	142	302	388.82	603R-16875	1.11/16	165	310	562.90
603R-13976	35.5	142	302	334.97	603R-16929	43.0	165	310	562.90
603R-14062	1.13/32	142	302	389.37	603R-17031	1.45/64	165	310	653.07
603R-14173	36.0	142	302	334.97	603R-17126	43.5	165	310	597.18
					603R-17188	1.23/32	165	310	597.18

CAPITAL

CUTTING TOOLS



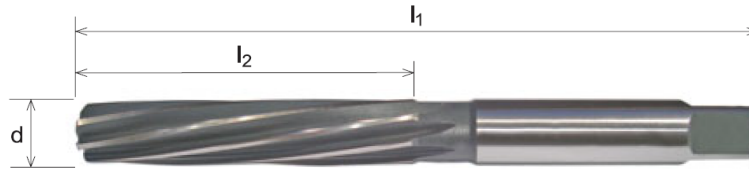
HSS H7 MTS MACHINE REAMERS

Code	Size	l ₂	l ₁	\$ ea.
603R-17323	44.0	165	310	597.18
603R-17500	1.3/4	165	310	597.18
603R-17520	44.5	165	310	675.82
603R-17716	45.0	165	310	599.08
603R-17812	1.25/32	165	310	675.82
603R-17913	45.5	165	310	675.82
603R-18110	46.0	165	310	675.82
603R-18125	1.13/16	165	310	718.05
603R-18307	46.5	165	310	718.05
603R-18438	1.27/32	165	310	718.05
603R-18504	47.0	165	310	718.05
603R-18701	47.5	165	310	718.05
603R-18750	1.7/8	165	310	731.28
603R-18898	48.0	165	310	731.28
603R-19062	1.29/32	165	310	731.28
603R-19094	48.5	165	310	731.28
603R-19291	49.0	165	310	758.55
603R-19375	1.15/16	165	310	758.55
603R-19488	49.5	165	310	768.89
603R-19685	50.0	165	310	768.89
603R-19688	1.31/32	165	310	768.89
603R-19882	50.5	165	310	813.91
603R-20000	2"	165	310	813.91
603R-20079	51.0	165	310	837.40
603R-20312	2.1/32	165	310	837.40
603R-20472	52.0	165	310	851.96
603R-20625	2.1/16	165	310	851.96
603R-20866	53.0	165	310	851.96
603R-21250	2.1/8	165	310	910.27
603R-21260	54.0	165	310	910.27
603R-21654	55.0	165	310	938.35
603R-21875	2.3/16	165	310	938.35

Code	Size	l ₂	l ₁	\$ ea.
603R-22047	56.0	165	310	938.35
603R-22441	57.0	165	310	951.83
603R-22500	2.1/4	165	310	951.83
603R-22835	58.0	165	310	951.83
603R-23125	2.5/16	165	310	951.83
603R-23228	59.0	165	310	974.29
603R-23622	60.0	165	310	974.29
603R-23750	2.3/8	165	310	974.29
603R-24016	61.0	165	310	993.25
603R-24375	2.7/16	165	310	993.25
603R-24409	62.0	165	310	993.25
603R-24803	63.0	165	310	993.25
603R-25000	2.1/2	165	310	1016.37
603R-25197	64.0	165	310	1016.37
603R-25591	65.0	165	310	1024.97
603R-25625	2.9/16	165	310	1102.88
603R-25984	66.0	165	310	1102.88
603R-26250	2.5/8	165	310	1102.88
603R-26378	67.0	165	310	1159.84
603R-26772	68.0	165	310	1159.84
603R-27165	69.0	165	310	1159.84
603R-27500	2.3/4	165	310	1159.84
603R-27599	70.0	165	310	1193.04
603R-27953	71.0	165	310	1193.04
603R-28346	72.0	165	310	1176.49
603R-28740	73.0	165	310	1274.85
603R-28750	2.7/8	165	310	1274.85
603R-29134	74.0	165	310	1274.85
603R-29528	75.0	165	310	1274.85
603R-29921	76.0	165	310	1443.07
603R-30000	3"	165	310	1486.88

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CUTTING TOOLS



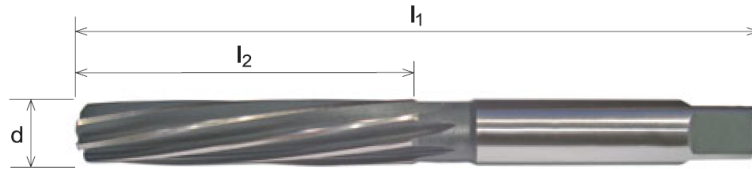
HSS H7 HAND REAMERS

Code	Size	l ₂	l ₁	\$ ea.
601R-00591	1.5	20	41	32.78
601R-00625	1/16	21	44	32.78
601R-00781	5/64	25	50	32.78
601R-00787	2.0	25	50	32.78
601R-00938	3/32	29	58	35.95
601R-00984	2.5	29	58	37.27
601R-01094	7/64	31	62	41.31
601R-01181	3.0	31	62	39.01
601R-01250	1/8	33	66	32.77
601R-01378	3.5	35	71	40.04
601R-01406	9/64	35	71	32.76
601R-01562	5/32	38	76	40.04
601R-01575	4.0	38	76	35.16
601R-01719	11/64	41	81	40.04
601R-01772	4.5	41	81	35.16
601R-01875	3/16	44	87	38.75
601R-01968	5.0	44	87	35.16
601R-02031	13/64	44	87	34.39
601R-02165	5.5	47	93	35.16
601R-02188	7/32	47	93	36.24
601R-02344	15/64	47	93	36.24
601R-02362	6.0	47	93	36.24
601R-02500	1/4	50	100	36.24
601R-02559	6.5	50	100	36.24
601R-02656	17/64	50	100	40.21
601R-02755	7.0	54	107	40.21
601R-02812	9/32	54	107	40.21
601R-02952	7.5	54	107	40.21
601R-02969	19/64	54	107	40.21
601R-03125	5/16	58	115	41.61
601R-03150	8.0	58	115	41.61
601R-03281	21/64	58	115	49.49

Code	Size	l ₂	l ₁	\$ ea.
601R-03346	8.5	58	115	43.86
601R-03438	11/32	62	124	49.49
601R-03543	9.0	62	124	49.49
601R-03594	23/64	62	124	49.49
601R-03740	9.5	62	124	49.49
601R-03750	3/8	66	133	49.49
601R-03906	25/64	66	133	49.49
601R-03937	10.0	66	133	49.49
601R-04062	13/32	66	133	53.38
601R-04134	10.5	66	133	58.13
601R-04219	27/64	71	142	58.13
601R-04331	11.0	71	142	58.13
601R-04375	7/16	71	142	58.13
601R-04528	11.5	71	142	64.41
601R-04531	29/64	71	142	64.41
601R-04688	15/32	76	152	64.41
601R-04724	12.0	76	152	64.41
601R-04844	31/64	76	152	75.71
601R-04921	12.5	76	152	75.71
601R-05000	1/2	76	152	64.41
601R-05118	13.0	76	152	75.71
601R-05156	33/64	76	152	85.00
601R-05312	17/32	81	163	78.09
601R-05314	13.5	81	163	75.71
601R-05469	35/64	81	163	91.39
601R-05512	14.0	81	163	75.71
601R-05625	9/16	81	163	79.51
601R-05709	14.5	81	163	101.73
601R-05781	37/64	81	163	101.73
601R-05906	15.0	81	163	101.73
601R-05938	19/32	87	175	101.73
601R-06094	39/64	87	175	129.42

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CUTTING TOOLS



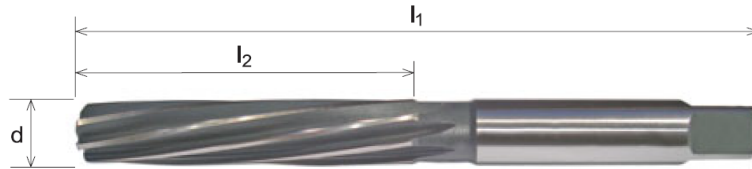
HSS H7 HAND REAMERS

Code	Size	l ₂	l ₁	\$ ea.
601R-06102	15.5	87	175	129.42
601R-06250	5/8	87	175	83.13
601R-06299	16.0	87	175	100.83
601R-06406	41/64	87	175	128.07
601R-06496	16.5	87	175	128.07
601R-06562	21/32	87	175	112.27
601R-06693	17.0	87	175	96.88
601R-06719	43/64	87	175	126.17
601R-06785	11/16	93	188	100.83
601R-06890	17.5	93	188	151.21
601R-07031	45/64	93	188	147.11
601R-07087	18.0	93	188	126.17
601R-07188	23/32	93	188	139.15
601R-07283	18.5	93	188	158.67
601R-07344	47/64	93	188	148.25
601R-07480	19.0	93	188	136.25
601R-07500	3/4	100	201	112.39
601R-07656	49/64	100	201	157.21
601R-07677	19.5	100	201	157.21
601R-07812	25/32	100	201	151.62
601R-07874	20.0	100	201	133.06
601R-07969	51/64	100	201	160.37
601R-08071	20.5	100	201	149.37
601R-08125	13/16	100	201	120.66
601R-08268	21.0	100	201	168.03
601R-08281	53/64	100	201	198.74
601R-08438	27/32	100	201	198.74
601R-08465	21.5	107	215	198.74
601R-08594	55/64	107	215	198.74
601R-08661	22.0	107	215	141.97
601R-08750	7/8	107	215	143.29
601R-08858	22.5	107	215	147.75

Code	Size	l ₂	l ₁	\$ ea.
601R-08906	57/64	107	215	198.51
601R-09055	23.0	107	215	176.02
601R-09062	29/32	107	215	176.02
601R-09219	59/64	107	215	198.66
601R-09252	23.5	107	215	198.66
601R-09375	15/16	115	231	180.44
601R-09449	24.0	115	231	180.44
601R-09531	61/64	115	231	216.23
601R-09646	24.5	115	231	198.37
601R-09688	31/32	115	231	218.54
601R-09843	25.0	115	231	188.99
601R-09844	63/64	115	231	228.21
601R-10000	1"	115	231	209.00
601R-10039	25.5	115	231	266.05
601R-10236	26.0	115	231	266.05
601R-10433	26.5	115	231	265.87
601R-10625	1.1/16	115	231	265.87
601R-10630	27.0	115	231	269.56
601R-10827	27.5	124	247	279.36
601R-11024	28.0	115	231	273.15
601R-11220	28.5	115	231	279.36
601R-11250	1.1/8	115	231	273.15
601R-11417	29.0	115	231	273.15
601R-11614	29.5	115	231	325.86
601R-11811	30.0	115	231	322.21
601R-11875	1.3/16	115	231	325.86
601R-12008	30.5	115	231	303.98
601R-12205	31.0	133	265	303.98
601R-12402	31.5	133	265	317.21
601R-12500	1.1/4	133	265	336.24
601R-12598	32.0	133	265	336.24
601R-12795	32.5	133	265	317.21

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CUTTING TOOLS



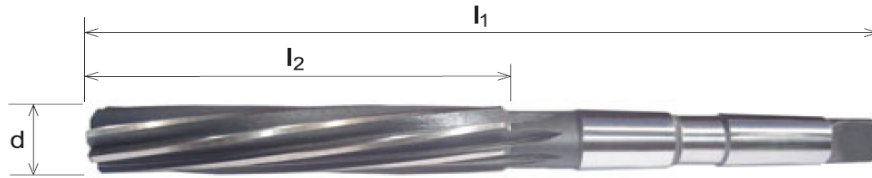
HSS H7 HAND REAMERS

Code	Size	l ₂	l ₁	\$ ea.
601R-12992	33.0	133	265	336.24
601R-13125	1.5/16	133	265	349.89
601R-13189	33.5	133	265	349.89
601R-13386	34.0	133	265	370.88
601R-13583	34.5	133	265	371.06
601R-13750	1.3/8	133	265	393.33
601R-13780	35.0	133	265	393.33
601R-13976	35.5	133	265	371.06
601R-14173	36.0	142	284	371.06
601R-14370	36.5	142	284	371.06
601R-14375	1.7/16	142	284	389.05
601R-14567	37.0	142	284	392.52
601R-14764	37.5	142	284	392.52
601R-14961	38.0	142	284	392.52
601R-15000	1.1/2	142	284	396.64
601R-15157	38.5	142	284	396.64
601R-15354	39.0	142	284	396.64
601R-15551	39.5	142	284	396.64
601R-15625	1.9/16	142	284	396.64
601R-15748	40.0	142	284	396.64
601R-15945	40.5	142	284	445.16
601R-16142	41.0	142	284	445.16
601R-16250	1.5/8	142	284	445.16
601R-16339	41.5	142	284	445.16

Code	Size	l ₂	l ₁	\$ ea.
601R-16535	42.0	142	284	495.10
601R-16732	42.5	142	284	531.04
601R-16875	1.11/16	142	284	563.37
601R-16929	43.0	142	284	563.37
601R-17126	43.5	153	297	563.37
601R-17323	44.0	153	297	637.57
601R-17500	1.3/4	153	297	565.16
601R-17520	44.5	153	297	637.57
601R-17716	45.0	153	297	637.57
601R-17913	45.5	153	297	677.40
601R-18110	46.0	153	297	677.40
601R-18125	1.13/16	153	297	677.40
601R-18307	46.5	153	297	677.55
601R-18504	47.0	153	297	677.40
601R-18701	47.5	164	308	677.40
601R-18750	1.7/8	164	308	689.88
601R-18898	48.0	164	308	689.88
601R-19094	48.5	164	308	689.88
601R-19291	49.0	164	308	715.62
601R-19375	1.15/16	164	308	715.62
601R-19488	49.5	164	308	725.36
601R-19685	50.0	164	308	725.36
601R-20000	2"	164	308	790.88

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CUTTING TOOLS



REAMERS EXTRA LENGTH - MACHINE HSS H7

Code	Size	l ₂	l ₁	\$ ea.
100mm FLUTE LENGTH				
No. 1 MORSE TAPER SHANK				
R100-01575	4.0	100	180	85.61
R100-01968	5.0	100	180	92.37
R100-02362	6.0	100	180	100.92
R100-02755	7.0	100	180	103.66
R100-03150	8.0	100	180	108.81
R100-03543	9.0	100	180	112.52
R100-03937	10.0	100	180	116.71
R100-04331	11.0	100	180	120.74
R100-04724	12.0	100	180	132.68

200mm FLUTE LENGTH				
No. 1 MORSE TAPER SHANK				
R200-03150	8.0	200	280	172.00
R200-03543	9.0	200	280	185.28
R200-03937	10.0	200	280	190.65
R200-04331	11.0	200	280	200.53
R200-04724	12.0	200	280	215.41
R200-05118	13.0	200	280	223.21
R200-05512	14.0	200	280	228.56
No. 2 MORSE TAPER SHANK				
R200-05906	15.0	200	300	235.44
R200-06299	16.0	200	300	243.09
R200-06693	17.0	200	300	246.77
R200-07087	18.0	200	300	252.53
R200-07480	19.0	200	300	254.70
R200-07874	20.0	200	300	260.03
R200-08268	21.0	200	300	279.94
R200-08661	22.0	200	300	294.19
R200-09055	23.0	200	300	314.88

Code	Size	l ₂	l ₁	\$ ea.
No. 3 MORSE TAPER SHANK				
R200-09449	24.0	200	320	333.15
R200-09843	25.0	200	320	346.67
R200-10236	26.0	200	320	366.38
R200-10630	27.0	200	320	387.96
R200-11024	28.0	200	320	400.11
R200-11417	29.0	200	320	447.51
R200-11811	30.0	200	320	457.66

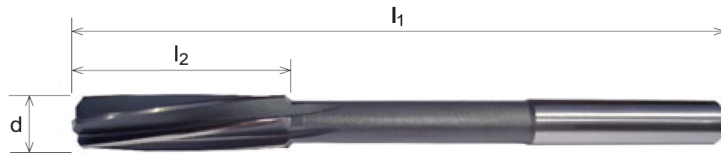
300mm FLUTE LENGTH				
No. 1 MORSE TAPER SHANK				
R300-04724	12.0	300	380	253.41
R300-05118	13.0	300	380	262.60
R300-05512	14.0	300	380	268.89

No. 2 MORSE TAPER SHANK				
R300-05906	15.0	300	400	276.36
R300-06299	16.0	300	400	285.97
R300-06693	17.0	300	400	290.33
R300-07087	18.0	300	400	297.10
R300-07480	19.0	300	400	300.82
R300-07874	20.0	300	400	310.49
R300-08268	21.0	300	400	329.34
R300-08661	22.0	300	400	346.39
R300-09055	23.0	300	400	370.46

No. 3 MORSE TAPER SHANK				
R300-09449	24.0	300	420	391.96
R300-09843	25.0	300	420	407.85
R300-10236	26.0	300	420	431.06
R300-10630	27.0	300	420	456.38
R300-11024	28.0	300	420	470.72
R300-11417	29.0	300	420	526.50
R300-11811	30.0	300	420	538.43

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CUTTING TOOLS



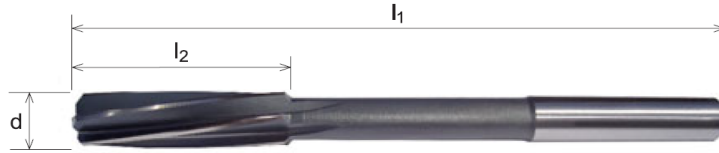
CHUCKING REAMERS H7 HSS Co - STRAIGHT SHANK

Code	Size	l ₂	l ₁	\$ ea.
RCM2.0	2.0	11	49	29.86
RCM2.1	2.1	11	49	24.70
RCM2.2	2.2	12	53	24.70
RCM2.3	2.3	12	53	24.70
RCM2.4	2.4	14	57	24.70
RCM2.5	2.5	14	57	13.69
RCM2.6	2.6	14	57	24.70
RCM2.7	2.7	15	61	24.70
RCM2.8	2.8	15	61	24.70
RCM2.9	2.9	15	61	24.70
RCM3.0	3.0	15	61	13.88
RCM3.1	3.1	16	65	25.72
RCIA	1/8	16	65	25.72
RCM3.2	3.2	16	65	25.72
RCM3.3	3.3	16	65	25.72
RCM3.4	3.4	18	70	25.72
RCM3.5	3.5	18	70	14.16
RCIB	9/64	18	70	25.72
RCM3.6	3.6	18	70	32.58
RCM3.7	3.7	18	70	32.58
RCM3.8	3.8	19	75	32.58
RCM3.9	3.9	19	75	32.58
RCIC	5/32	19	75	25.72
RCM4.0	4.0	19	75	22.22
RCM4.1	4.1	19	75	32.58
RCM4.2	4.2	19	75	32.58
RCM4.3	4.3	21	80	32.58
RCID	11/64	21	80	25.72
RCM4.4	4.4	21	80	32.58
RCM4.5	4.5	21	80	24.41
RCM4.6	4.6	21	80	32.58
RCM4.7	4.7	21	80	32.58

Code	Size	l ₂	l ₁	\$ ea.
RCIE	3/16	23	86	26.60
RCM4.8	4.8	23	86	34.70
RCM4.9	4.9	23	86	34.70
RCM5.0	5.0	23	86	25.20
RCM5.1	5.1	23	86	34.70
RCIF	13/64	23	86	26.60
RCM5.2	5.2	23	86	34.70
RCM5.3	5.3	23	86	34.70
RCM5.4	5.4	26	93	34.70
RCM5.5	5.5	26	93	25.76
RCIH	7/32	26	93	26.60
RCM5.6	5.6	26	93	34.70
RCM5.7	5.7	26	93	34.70
RCM5.8	5.8	26	93	34.70
RCM5.9	5.9	26	93	34.70
RCII	15/64	26	93	26.60
RCM6.0	6.0	26	93	26.60
RCM6.1	6.1	28	101	35.51
RCM6.2	6.2	28	101	35.51
RCM6.3	6.3	28	101	35.51
RCIJ	1/4	28	101	26.60
RCM6.4	6.4	28	101	35.51
RCM6.5	6.5	28	101	28.27
RCM6.6	6.6	28	101	37.56
RCM6.7	6.7	28	101	37.56
RCIK	17/64	28	101	37.56
RCM6.8	6.8	31	109	37.56
RCM6.9	6.9	31	109	37.56
RCM7.0	7.0	31	109	29.75
RCM7.1	7.1	31	109	37.56
RCIL	9/32	31	109	37.56
RCM7.2	7.2	31	109	37.56

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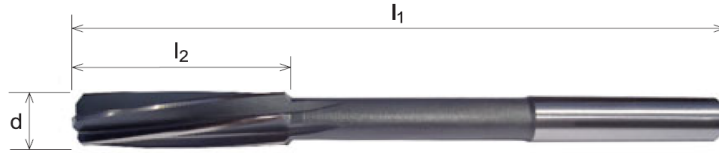
CUTTING TOOLS



CHUCKING REAMERS H7 HSS Co - STRAIGHT SHANK

Code	Size	l ₂	l ₁	\$ ea.
RCM7.3	7.3	31	109	37.56
RCM7.4	7.4	31	109	37.56
RCM7.5	7.5	31	109	29.75
RCM7.6	7.6	33	117	38.78
RCM7.7	7.7	33	117	38.78
RCM7.8	7.8	33	117	38.78
RCM7.9	7.9	33	117	38.78
RCIM	5/16	33	117	30.95
RCM8.0	8.0	33	117	30.95
RCM8.1	8.1	33	117	40.76
RCM8.2	8.2	33	117	40.76
RCM8.3	8.3	33	117	40.76
RCM8.4	8.4	33	117	40.76
RCM8.5	8.5	33	117	33.81
RCM8.6	8.6	36	125	42.95
RCM8.7	8.7	36	125	42.95
RCIN	11/32	36	125	42.95
RCM8.8	8.8	36	125	42.95
RCM8.9	8.9	36	125	42.95
RCM9.0	9.0	36	125	34.10
RCM9.1	9.1	36	125	42.95
RCM9.2	9.2	36	125	42.95
RCM9.3	9.3	36	125	42.95
RCM9.4	9.4	36	125	42.95
RCM9.5	9.5	36	125	37.66
RCIO	3/8	38	133	44.33
RCM9.6	9.6	38	133	44.33
RCM9.7	9.7	38	133	44.33
RCM9.8	9.8	38	133	51.89
RCM9.9	9.9	38	133	51.89
RCM10.0	10.0	38	133	42.42
RCM10.1	10.1	38	133	53.78

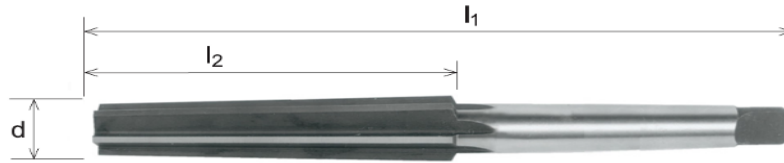
Code	Size	l ₂	l ₁	\$ ea.
RCM10.2	10.2	38	133	53.78
RCM10.3	10.3	38	133	53.78
RCIP	13/32	38	133	47.56
RCM10.4	10.4	38	133	53.78
RCM10.5	10.5	38	133	43.75
RCM10.6	10.6	38	133	54.60
RCM10.7	10.7	41	142	54.60
RCM10.8	10.8	41	142	54.60
RCM10.9	10.9	41	142	54.60
RCM11.0	11.0	41	142	47.56
RCM11.1	11.1	41	142	47.56
RCIQ	7/16	41	142	47.56
RCM11.2	11.2	41	142	59.13
RCM11.3	11.3	41	142	59.13
RCM11.4	11.4	41	142	59.13
RCM11.5	11.5	41	142	47.56
RCM11.6	11.6	41	142	59.13
RCM11.7	11.7	41	142	59.13
RCM11.8	11.8	41	142	59.13
RCM11.9	11.9	44	151	59.13
RCIR	15/32	44	151	62.37
RCM12.0	12.0	44	151	52.67
RCM12.1	12.1	44	151	65.94
RCM12.2	12.2	44	151	65.94
RCM12.3	12.3	44	151	65.94
RCM12.4	12.4	44	151	65.94
RCM12.5	12.5	44	151	55.36
RCM12.6	12.6	44	151	69.03
RCM12.7	12.7	44	151	69.03
RCIS	1/2	44	151	55.36
RCM12.8	12.8	44	151	69.03
RCM12.9	12.9	44	151	69.03



CHUCKING REAMERS H7 HSS Co - STRAIGHT SHANK

Code	Size	l_2	l_1	\$ ea.
RCM13.0	13.0	44	151	55.36
RCM13.5	13.5	47	160	57.84
RCM14.0	14.0	47	160	60.47
RCIT	9/16	50	162	68.31
RCM14.5	14.5	50	162	68.31
RCM15.0	15.0	50	162	68.31
RCM15.5	15.5	52	170	73.36
RCIU	5/8	52	170	73.36
RCM16.0	16.0	52	170	73.36
RCM16.5	16.5	54	175	113.15
RCM17.0	17.0	54	175	116.97
RCM17.5	17.5	56	182	147.85

Code	Size	l_2	l_1	\$ ea.
RCM18.0	18.0	56	182	139.52
RCM18.5	18.5	58	189	154.51
RCM19.0	19.0	58	189	146.07
RCIV	3/4	60	195	125.45
RCM19.5	19.5	60	195	171.26
RCM20.0	20.0	60	195	154.59
RCM21.0	21.0	63	202	188.11
RCM22.0	22.0	63	202	163.81
RCM23.0	23.0	63	202	189.57
RCM24.0	24.0	63	202	199.12
RCM25.0	25.0	63	202	204.93
RCIW	1"	63	202	225.81



MTS TAPER SOCKET REAMERS IMPERIAL

Code	Size	l_2	l_1	\$ ea.
ROUGHING				
No. 1 MORSE TAPER SHANK				
R611-00R	0	61	137	120.93
R611-10R	1	66	142	147.11
No. 2 MORSE TAPER SHANK				
R611-20R	2	79	173	218.21
No. 3 MORSE TAPER SHANK				
R611-30R	3	96	212	353.33
No. 4 MORSE TAPER SHANK				
R611-40R	4	119	263	550.21
No. 5 MORSE TAPER SHANK				
R611-50R	5	150	331	785.14

Code	Size	l_2	l_1	\$ ea.
FINISHING				
No. 1 MORSE TAPER SHANK				
R612-00F	0	61	137	114.55
R612-10F	1	66	142	136.86
No. 2 MORSE TAPER SHANK				
R612-20F	2	79	173	207.86
No. 3 MORSE TAPER SHANK				
R612-30F	3	96	212	319.00
No. 4 MORSE TAPER SHANK				
R612-40F	4	119	263	540.13
No. 5 MORSE TAPER SHANK				
R612-50F	5	150	331	769.59

CAPITAL

CUTTING TOOLS



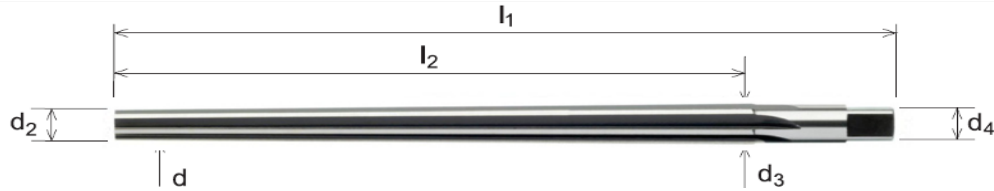
HAND TAPER SOCKET REAMERS IMPERIAL

Code	Size	l ₂	l ₁	\$ ea.
ROUGHING				
1/2" SHANK				
R613-00R	0	61	122	120.93
R613-10R	1	66	127	147.11
1/2" SHANK				
R613-20R	2	79	153	218.21
16mm SHANK				
R613-30R	3	96	187	353.33
20mm SHANK				
R613-40R	4	119	233	550.21
25mm SHANK				
R613-50R	5	150	296	785.14

Code	Size	l ₂	l ₁	\$ ea.
FINISHING				
1/2" SHANK				
R614-00F	0	61	122	114.55
R614-10F	1	66	127	136.86
1/2" SHANK				
R614-20F	2	79	153	207.86
16mm SHANK				
R614-30F	3	96	187	319.00
20mm SHANK				
R614-40F	4	119	233	540.13
25mm SHANK				
R614-50F	5	150	296	769.59

CAPITAL

CUTTING TOOLS



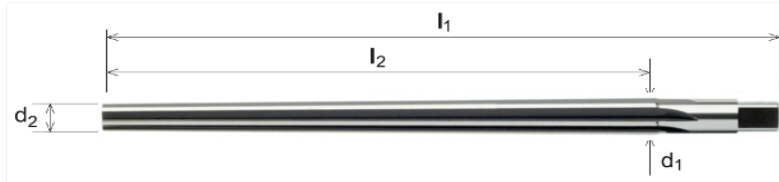
HAND TAPER PIN REAMERS - STRAIGHT FLUTE 50:1

STRAIGHT SHANK H7 HSS

Code	Size	d_2	d_3	d_4	l_2	l_1	\$ ea.
R605-2	2.0	1.9	2.9	3.2	48	68	61.14
R605-2.5	2.5	2.4	3.4	3.2	48	68	61.14
R605-3	3.0	2.9	4.1	4.0	58	80	54.66
R605-4	4.0	3.9	5.3	5.0	68	93	54.66
R605-5	5.0	4.9	6.4	6.3	73	100	54.66
R605-6	6.0	5.9	8.0	8.0	105	135	56.68
R605-8	8.0	7.9	10.8	10.0	145	180	68.94
R605-10	10.0	9.9	13.4	12.5	175	215	94.84
R605-12	12.0	11.8	16.0	14.0	210	255	129.72
R605-13	13.0	12.8	17.0	15.0	210	255	132.49
R605-14	14.0	13.8	18.0	16.0	210	255	194.47
R605-16	16.0	15.8	20.4	18.0	230	280	261.09
R605-18	18.0	17.8	22.6	20.2	240	295	292.06
R605-20	20.0	19.8	24.8	22.4	250	310	320.37
R605-25	25.0	24.7	30.7	28.0	300	370	480.10

CAPITAL

CUTTING TOOLS



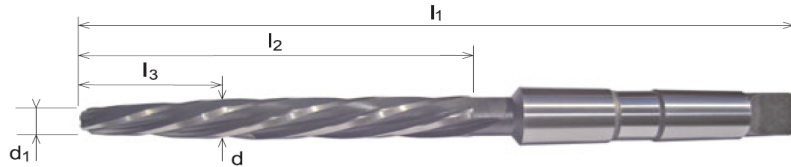
HAND TAPER PIN REAMERS - STRAIGHT FLUTE 48:1

STRAIGHT SHANK H7 HSS

Code	Nominal Dia.	Number Series	d_1	d_2	l_2	l_1	\$ ea.
R606-00625	1/16	7/0	1.63	1.1	25.4	50.8	49.61
R606-00781	5/64	6/0	2.03	1.5	25.4	50.8	49.61
R606-00938	3/32	5/0	2.41	1.75	31.80	57.2	44.00
R606-01094	7/64	4/0	2.82	2.03	38.1	63.5	44.00
R606-01250	1/8	3/0	3.23	2.29	44.5	69.9	44.00
R606-01406	9/64	2/0	3.63	2.64	47.6	73.0	44.00
R606-01562	5/32	0	4.01	2.95	50.8	76.2	45.75
R606-01719	11/64	1	4.42	3.23	52.2	88.9	45.75
R606-01875	3/16	2	4.95	3.5	69.9	101.6	45.75
R606-02188	7/32	3	5.59	4.13	69.9	101.6	45.75
R606-02500	1/4	4	6.43	4.64	85.7	117.5	47.54
R606-02812	9/32	5	7.42	5.23	104.8	142.9	49.27
R606-03125	5/16		8.03	5.84	104.8	142.9	53.71
R606-03438	11/32	6	8.81	6.43	114.3	152.4	53.71
R606-03750	3/8		9.68	7.03	127.0	165.1	66.89
R606-04062	13/32	7	10.46	7.42	146.1	190.5	66.89
R606-04375	7/16		11.25	8.21	146.1	190.5	107.78
R606-05000	1/2	8	12.85	9.41	165.1	209.6	109.09
R606-05625	9/16	9	14.50	10.93	171.5	215.9	181.92
R606-06250	5/8		16.08	12.11	190.5	235.0	232.52
R606-07500	3/4	10	19.30	14.67	222.3	273.1	243.74
R606-08750	7/8	11	22.48	17.45	241.3	304.8	310.21
R606-10000	1"	12	26.67	21.39	254.0	346.1	549.84
R606-11250	1.1/8	13	31.98	25.63	304.8	406.4	634.44
R606-12500	1.1/4	14	39.17	31.75	355.6	463.55	685.51
R606-13750	1.3/8	15	39.17	31.75	355.6	463.55	841.18

CAPITAL

CUTTING TOOLS

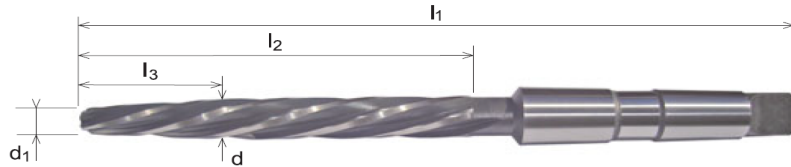


MTS BRIDGE REAMERS

Code	Size (d)	d_1	l_2	l_1	l_3	\$ ea.
No. 1 MORSE TAPER SHANK						
607R-03543	9.0	5.4	90	166	36	132.49
607R-04094	10.4	6.6	95	171	38	138.80
607R-04331	11.0	7.0	100	176	40	142.33
No. 2 MORSE TAPER SHANK						
607R-04724	12	7.8	105	199	42	151.55
607R-05000	1/2	7.8	105	199	42	159.24
607R-05118	13	8.8	105	199	42	159.24
607R-05512	14	9.4	115	209	46	160.43
607R-05625	9/16	9.6	115	209	46	160.43
607R-05906	15	10.0	125	219	50	185.57
607R-06250	5/8	10.2	135	229	50	160.43
607R-06299	16	10.6	135	229	50	185.57
No. 3 MORSE TAPER SHANK						
607R-06693	17	11.6	135	251	54	202.63
607R-06875	11/16	11.8	135	251	54	202.63
607R-07087	18	12.2	145	261	58	208.87
607R-07480	19	13.2	145	261	58	208.87
607R-07500	3/4	13.2	145	261	58	208.87
607R-07874	20	13.8	155	271	62	217.66
607R-08125	13/16	14.2	155	271	62	217.66
607R-08268	21	14.8	155	271	62	217.66
607R-08661	22	15.4	165	281	66	249.55
607R-08750	7/8	15.8	165	281	66	249.55
607R-09055	23	16.4	165	281	66	279.13
607R-09375	15/16	16.6	165	281	66	279.13

CAPITAL

CUTTING TOOLS



MTS BRIDGE REAMERS

Code	Size (d)	d_1	l_2	l_1	l_3	\$ ea.
No. 3 MORSE TAPER SHANK						
607R-09449	24	16.8	180	296	72	279.13
607R-09843	25	17.8	180	296	72	282.16
607R-10000	1"	18.2	180	296	72	282.16
607R-10236	26	18.8	180	296	72	343.11
607R-10630	27	19.2	195	311	78	351.69
607R-11024	28	20.2	195	311	78	407.85
607R-11625	1.1/8	21.2	195	311	78	407.85
607R-11811	30	22.2	195	311	78	421.22
607R-12500	1.1/4	23.1	195	311	78	466.10
No. 4 MORSE TAPER SHANK						
607R-12598	32	23.6	210	354	84	490.99
607R-12992	33	24.6	210	354	84	499.97
607R-13386	34	25.2	220	364	88	550.87
607R-13750	1.3/8	26.2	220	364	88	550.87
607R-14567	37	28.2	220	364	88	601.62
607R-14961	38	28.8	230	374	92	661.73
607R-15000	1.1/2	28.8	230	374	92	721.59
607R-15748	40	30.8	230	374	92	814.94

CAPITAL

CUTTING TOOLS



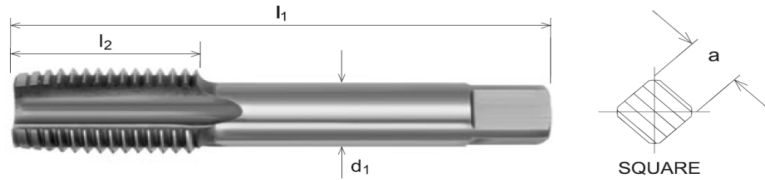
ALL REAMER SETS

Code	Sizes	\$ ea.
HSS H7 MTS MACHINE REAMER SETS		
603R-100	M3, M4, M5, M6, M7, M8, M9, M10, 11, M12, M13	747.07
603R-200	M14, M15, M16, M17, M18, M19, M20	716.71
HSS H7 HAND REAMER SETS		
601R-100	M3, M4, M5, M6, M7, M8, M9, M10, M11, M12, M13	579.95
601R-200	1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2	705.59
MTS BRIDGE REAMER SETS		
607R-100	M9, M10, 11, M12, M13	627.70
607R-200	M14, M15, M16, M17, M18, M19, M20	1156.83
HSS H7 Co STRAIGHT SHANK CHUCKING REAMER SETS		
RCM-100	M3, M4, M5, M6, M7, M8, M9, M10, 11, M12, M13	463.56
RCM-200	M13, M14, M15, M16, M17, M18, M19, M20	763.42
RCI-100	1/8, 5/32, 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 13/32, 7/16, 15/32, 1/2	581.52
STRAIGHT FLUTE HAND TAPER PIN REAMER SETS		
R606-100	50:1 2, 3, 4, 5, 6, 8, 10, 12, 13	748.46
R606-200	48:1 1/16, 1/8, 5/32, 3/16, 1/4, 5/16, 3/8, 7/16, 1/2	661.22

EACH SET INCLUDES ONE REAMER PER SIZE LISTED ABOVE

CAPITAL

CUTTING TOOLS



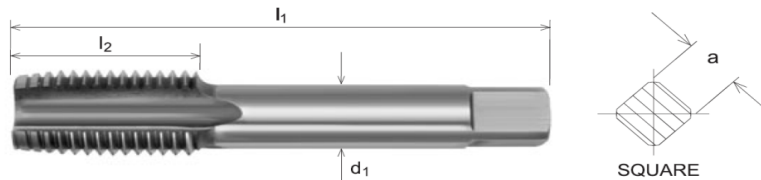
TAPS - METRIC COARSE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T104-	T105-	T106-	T103-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
0163	1.6	0.35	8	41	2.5	2	47.04	47.04	47.04	141.12
0204	2.0	0.4	8	41	2.5	2	18.10	18.10	18.10	54.28
0202	2.2	0.45	9.5	44.5	2.8	2.24	17.72	17.72	17.72	53.14
0251	2.5	0.45	9.5	44.5	2.8	2.24	14.68	14.68	14.68	44.00
0305	3.0	0.5	11	48	3.15	2.5	11.04	11.04	11.04	33.12
0356	3.5	0.6	13	50	3.55	2.8	11.51	11.51	11.51	34.57
0402	4.0	0.7	13	53	4	3.15	9.52	9.52	9.52	28.56
0457	4.5	0.75	13	53	4.5	3.55	12.44	12.44	12.44	37.31
0508	5.0	0.8	16	58	5	4	10.68	10.68	10.68	32.00
0610	6.0	1.0	19	66	6.3	5	11.01	11.01	11.01	33.03
0710	7.0	1.0	19	66	7.1	5.6	13.23	13.23	13.23	39.54
0812	8.0	1.25	22	72	8	6.3	11.51	11.51	11.51	34.57
0912	9.0	1.25	22	72	9	7.1	18.86	18.86	18.86	56.62
1015	10	1.5	24	80	10	8	15.77	15.77	15.77	47.30
1115	11	1.5	25	85	8	6.3	23.95	23.95	23.95	71.86
1217	12	1.75	29	89	9	7.1	24.36	24.36	24.36	73.07
1420	14	2.0	30	95	11.2	9	29.29	29.29	29.29	87.87
1620	16	2.0	32	102	12.5	10	35.50	35.50	35.50	106.49
1825	18	2.5	37	112	14	11.2	55.04	55.04	55.04	165.11
2025	20	2.5	37	112	14	11.2	61.32	61.32	61.32	183.96
2225	22	2.5	38	118	16	12.5	69.26	69.26	69.26	207.77
2430	24	3.0	45	130	18	14	79.95	79.95	79.95	239.83
2730	27	3.0	45	135	20	16	122.55	122.55	122.55	367.61
3035	30	3.5	48	138	20	16	136.77	136.77	136.77	410.28
3335	33	3.5	51	151	22.4	18	178.62	178.62	178.62	535.84
3640	36	4.0	57	162	25	20	207.76	207.76	207.76	623.27
3940	39	4.0	60	170	28	22.4	248.67	248.67	248.67	745.99
4245	42	4.5	60	170	28	22.4	284.16	284.16	284.16	852.46
4545	45	4.5	67	187	31.5	25	367.75	367.75	367.75	1103.19

CAPITAL

CUTTING TOOLS



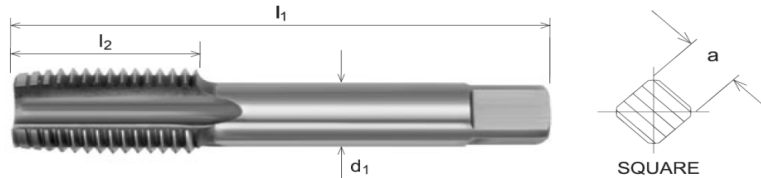
TAPS - METRIC COARSE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T104-	T105-	T106-	T103-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
4850	48	5.0	67	187	31.5	25	392.47	392.47	392.47	1177.39
5250	52	5.0	70	200	35.5	28	446.66	446.66	446.66	1339.99
5655	56	5.5	70	200	35.5	28	626.56	626.56	626.56	1879.60
6055	60	5.5	70	200	40	31.5	663.16	663.16	663.16	1989.48
6460	64	6.0	70	200	40	31.5	750.44	750.44	750.44	2251.25
6860	68	6.0	70	200	45	35.5	792.21	792.21	792.21	2376.61
7260	72	6.0	70	200	45	35.5	843.78	843.78	843.78	2531.35
7660	76	6.0	70	200	50	40	1016.59	1016.59	1016.59	3049.83
8060	80	6.0	70	200	50	40	1091.98	1091.98	1091.98	3276.04
8506	85	6.0	70	200	50	40	1177.68	1177.68	1177.68	3533.01
9060	90	6.0	70	200	50	40	1264.57	1264.57	1264.57	3793.71
9560	95	6.0	70	200	56	45	1316.83	1316.83	1316.83	3950.50
1060	100	6.0	70	200	56	45	1474.40	1474.40	1474.40	4423.22

CAPITAL

CUTTING TOOLS



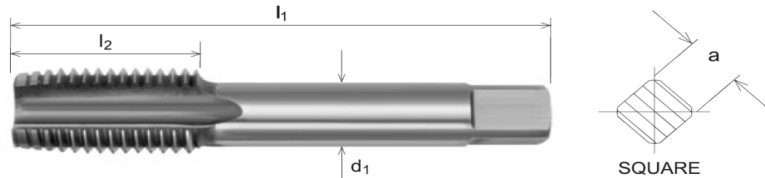
TAPS - METRIC COARSE LEFT HAND

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T114-	T115-	T116-	T113-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
0305	3.0	0.5	11	48	3.15	2.5	24.83	24.83	24.83	74.53
0402	4.0	0.7	13	53	4	3.15	24.83	24.83	24.83	74.53
0457	4.5	0.75	13	53	4.5	3.55	34.48	34.48	34.48	103.43
0508	5.0	0.8	16	58	5	4	24.83	24.83	24.83	74.53
0610	6.0	1.0	19	66	6.3	5	26.28	26.28	26.28	78.82
0710	7.0	1.0	19	66	7.1	5.6	24.97	24.97	24.97	74.91
0812	8.0	1.25	22	72	8	6.3	27.56	27.56	27.56	82.67
0912	9.0	1.25	22	72	9	7.1	27.56	27.56	27.56	82.67
1015	10	1.5	24	80	10	8	33.59	33.59	33.59	100.77
1115	11	1.5	25	85	8	6.3	32.00	32.00	32.00	95.98
1217	12	1.75	29	89	9	7.1	56.68	56.68	56.68	170.03
1420	14	2.0	30	95	11.2	9	70.82	70.82	70.82	212.46
1620	16	2.0	32	102	12.5	10	76.13	76.13	76.13	228.39
1825	18	2.5	37	112	14	11.2	104.48	104.48	104.48	313.44
2025	20	2.5	37	112	14	11.2	122.26	122.26	122.26	366.76
2225	22	2.5	38	118	16	12.5	150.44	150.44	150.44	451.31
2430	24	3.0	45	130	18	14	158.04	158.04	158.04	474.16
2730	27	3.0	45	135	20	16	167.58	167.58	167.58	502.72
3035	30	3.5	48	138	20	16	173.28	173.28	173.28	519.86
3335	33	3.5	51	151	22.4	18	216.72	216.72	216.72	650.11
3640	36	4.0	57	162	25	20	245.85	245.85	245.85	737.55
3940	39	4.0	60	170	28	22.4	286.73	286.73	286.73	858.42
4245	42	4.5	60	170	28	22.4	394.88	394.88	394.88	1184.60
4545	45	4.5	67	187	31.5	25	399.03	399.03	399.03	1197.12
4850	48	5.0	67	187	31.5	25	408.66	408.66	408.66	1225.95
5250	52	5.0	70	200	35.5	28	446.66	446.66	446.66	1339.99
5655	56	5.5	70	200	35.5	38	626.56	626.56	626.56	1879.60
6055	60	5.5	70	200	40	31.5	663.16	663.16	663.16	1989.48
6460	64	6.0	70	200	40	31.5	750.44	750.44	750.44	2251.25
6860	68	6.0	70	200	45	35.5	792.21	792.21	792.21	2376.61
7260	72	6.0	70	200	45	35.5	844.54	844.54	844.54	2531.35

CAPITAL

CUTTING TOOLS



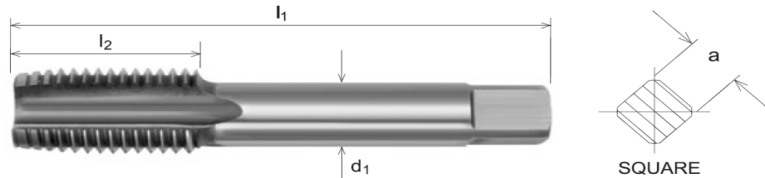
TAPS - METRIC OVERSIZE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T144-	T145-	T146-	T143-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
0508.4	5	0.8 + .4	19	66	8	6.30	31.82	31.82	31.82	95.47
0610.4	6	1.0 + .4	19	66	8	6.30	31.82	31.82	31.82	95.47
0812.4	8	1.25 + .4	22	72	8	6.3	31.82	31.82	31.82	95.46
1015.4	10	1.5 + .4	24	80	10	8	34.28	34.28	34.28	102.84
1217.4	12	1.75 + .4	29	89	9	7.1	50.86	50.86	50.86	152.57
1420.4	14	2.0 + .4	30	95	11.2	9	57.50	57.50	57.50	172.51
1620.4	16	2.0 + .4	32	102	12.5	10	60.00	60.00	60.00	179.99
1825.4	18	2.5 + .4	37	112	14	11.2	74.19	74.19	74.19	222.56
2025.4	20	2.5 + .4	37	112	14	11.2	86.35	86.35	86.35	259.08
2225.4	22	2.5 + .4	38	118	16	12.5	98.67	98.67	98.67	296.03
2430.4	24	3.0 + .4	45	130	18	14	109.12	109.12	109.12	327.35
2430.45	24	3.0 + .45	45	130	18	14	109.12	109.12	109.12	327.35
2430.5	24	3.0 + .5	45	130	18	14	109.12	109.12	109.12	327.35
2730.4	27	3.0 + .4	45	135	20	16	143.55	143.55	143.55	430.66
2730.5	27	3.0 + .5	45	135	20	16	143.55	143.55	143.55	430.66
3035.4	30	3.5 + .4	48	138	20	16	230.04	230.04	230.04	690.11
3035.5	30	3.5 + .5	48	138	20	16	230.04	230.04	230.04	690.11
3035.6	30	3.5 + .6	48	138	20	16	230.04	230.04	230.04	690.11
3335.5	33	3.5 + .5	51	151	22.4	18	269.27	269.27	269.27	807.84
3640.5	36	4.0 + 0.5	57	162	25	20	311.92	311.92	311.92	935.75
3640.6	36	4.0 + 0.6	57	162	25	20	311.92	311.92	311.92	935.75
4245.5	42	4.5 + .5	60	170	28	22.4	330.40	330.40	330.40	991.19
4245.6	42	4.5 + .6	60	170	28	22.4	330.40	330.40	330.40	991.19

CAPITAL

CUTTING TOOLS



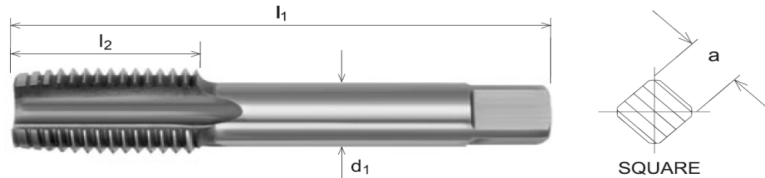
TAPS - METRIC OVERSIZE LEFT HAND

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T154-	T155-	T156-	T153-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
0610.4	6	1.0 + .4	20	65	7	5.8	40.13	40.13	40.13	120.42
0812.4	8	1.25 + .4	22	72	8	6.3	40.13	40.13	40.13	120.42
1005.4	10	0.5 + .5	24	80	10	8	42.84	42.84	42.84	128.57
1015.4	10	1.5 + .4	24	80	10	8	42.84	42.84	42.84	128.57
1217.4	12	1.75 + .4	29	89	9	7.1	54.84	54.84	54.84	164.52
1420.4	14	2.0 + .4	30	95	11.2	9	61.18	61.18	61.18	183.53
1620.4	16	2.0 + .4	32	102	12.5	10	65.32	65.32	65.32	195.97
1825.4	18	2.5 + .4	37	112	14	11.2	78.99	78.99	78.99	236.97
2025.4	20	2.5 + .4	37	112	14	11.2	92.54	92.54	92.54	277.64
2225.4	22	2.5 + .4	38	118	16	12.5	112.25	112.25	112.25	336.74
2430.4	24	3.0 + .4	45	130	18	14	120.72	120.72	120.72	362.18
2430.45	24	3.0 + .45	45	130	18	14	120.72	120.72	120.72	362.18
2430.5	24	3.0 + .5	45	130	18	14	120.72	120.72	120.72	362.18
2730.4	27	3.0 + .4	45	135	20	16	151.11	151.11	151.11	453.34
2730.5	27	3.0 + .5	45	135	20	16	151.11	151.11	151.11	453.34
3035.4	30	3.5 + .4	48	138	20	16	230.04	230.04	230.04	690.11
3035.5	30	3.5 + .5	48	138	20	16	230.04	230.04	230.04	690.11
3035.6	30	3.5 + .6	48	138	20	16	230.04	230.04	230.04	690.11
3640.5	36	4.0 + .5	57	162	25	20	311.92	311.92	311.92	935.75
3640.6	36	4.0 + .6	57	162	25	20	311.92	311.92	311.92	935.75
4245.5	42	4.5 + .5	60	170	28	22.4	330.40	330.40	330.40	991.19
4245.6	42	4.5 + .6	60	170	28	22.4	330.40	330.40	330.40	991.19

CAPITAL

CUTTING TOOLS



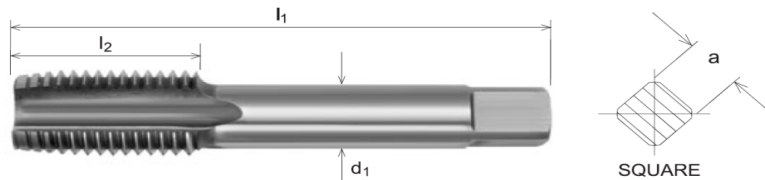
TAPS - METRIC FINE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T124-	T125-	T126-	T123-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
0234	2.3	0.4	11	48	3.15	2.5	22.08	22.08	22.08	66.28
0245	2.0	0.45	11	48	3.15	2.5	22.08	22.08	22.08	66.28
0264	2.6	0.45	11	48	3.15	2.5	22.08	22.08	22.08	66.28
0303	3.0	0.35	11	48	3.15	2.5	22.08	22.08	22.08	66.28
0306	3.0	0.6	11	48	3.15	2.5	22.08	22.08	22.08	66.28
0353	3.5	0.35	13	50	3.55	2.8	22.08	22.08	22.08	66.28
0355	3.5	0.5	13	50	3.55	2.8	22.08	22.08	22.08	66.28
0356	3.5	0.6	13	50	3.55	2.8	22.08	22.08	22.08	66.28
0405	4.0	0.5	13	53	4	3.15	22.08	22.08	22.08	66.28
0407	4.0	0.75	13	53	4	3.15	22.08	22.08	22.08	66.28
0455	4.5	0.5	13	53	4.5	3.55	22.08	22.08	22.08	66.28
0505	5.0	0.5	16	58	5	4	19.41	19.41	19.41	58.24
0507	5.0	0.75	16	58	5	4	22.08	22.08	22.08	66.28
0509	5.0	0.9	16	58	5	4	22.08	22.08	22.08	66.28
0510	5.0	1.0	16	58	5	4	22.08	22.08	22.08	66.28
0512	5.0	1.25	16	58	5	4	22.08	22.08	22.08	66.28
0515	5.0	1.5	16	58	5	4	22.08	22.08	22.08	66.28
0555	5.5	0.5	17	62	5.6	4.5	22.19	22.19	22.19	66.55
0557	5.5	0.75	17	62	5.6	4.5	22.08	22.08	22.08	66.23
0605	6.0	0.5	19	66	6.3	5	22.19	22.19	22.19	66.55
0607	6.0	0.7	19	66	6.3	5	26.16	26.16	26.16	78.50
0607	6.0	0.75	19	66	6.3	5	26.16	26.16	26.16	78.50
0608	6.0	0.8	19	66	6.3	5	26.16	26.16	26.16	78.50
0609	6.0	0.9	19	66	6.3	5	26.16	26.16	26.16	78.50
0612	6.0	1.25	19	66	6.3	5	26.16	26.16	26.16	78.50
0615	6.0	1.5	19	66	6.3	5	26.16	26.16	26.16	78.50
0705	7.0	0.5	19	66	7.1	5.6	27.85	27.85	27.85	83.52
0707	7.0	0.75	19	66	7.1	5.6	27.85	27.85	27.85	83.52
0708	7.0	0.8	19	66	7.1	5.6	27.85	27.85	27.85	83.52

CAPITAL

CUTTING TOOLS



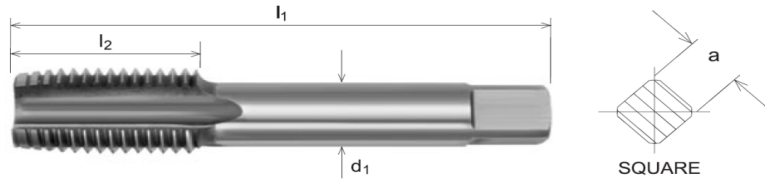
TAPS - METRIC FINE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T124-	T125-	T126-	T123-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
0709	7.0	0.9	19	66	7.1	5.6	27.85	27.85	27.85	83.52
0712	7.0	1.25	19	66	7.1	5.6	27.85	27.85	27.85	83.52
0715	7.0	1.5	19	66	7.1	5.6	46.52	46.52	46.52	139.55
0805	8.0	0.5	19	69	8	6.3	46.52	46.52	46.52	139.55
0870	8.0	0.7	19	69	8	6.3	46.52	46.52	46.52	139.55
0807	8.0	0.75	19	69	8	6.3	26.54	26.54	26.54	79.60
0808	8.0	0.8	19	69	8	6.3	34.48	34.48	34.48	103.43
0809	8.0	0.9	19	69	8	6.3	46.52	46.52	46.52	139.55
0810	8.0	1.0	19	69	8	6.3	21.28	21.28	21.28	63.83
0815	8.0	1.5	19	69	8	6.3	27.85	27.85	27.85	83.52
0817	8.0	1.75	19	69	8	6.3	46.52	46.52	46.52	139.55
0905	9.0	0.5	19	69	9	7.1	27.85	27.85	27.85	83.52
0906	9.0	0.6	19	69	9	7.1	27.85	27.85	27.85	83.52
0907	9.0	0.75	19	69	9	7.1	36.23	36.23	36.23	108.65
0908	9.0	0.8	19	69	9	7.1	27.85	27.85	27.85	83.52
0910	9.0	1.0	19	69	9	7.1	31.45	31.45	31.45	94.34
0915	9.0	1.5	19	69	9	7.1	27.85	27.85	27.85	83.52
0917	9.0	1.75	19	69	9	7.1	27.85	27.85	27.85	83.52
1005	10	0.5	20	76	10	8	46.52	46.52	46.52	139.55
1007	10	0.7	20	76	10	8	36.09	36.09	36.09	108.27
1075	10	0.75	20	76	10	8	36.13	36.13	36.13	108.38
1008	10	0.8	20	76	10	8	36.09	36.09	36.09	108.27
1009	10	0.9	20	76	10	8	36.13	36.13	36.13	108.38
1010	10	1.0	20	76	10	8	29.26	29.26	29.26	87.77
1012	10	1.25	20	76	10	8	29.20	29.20	29.20	87.60
1017	10	1.75	20	76	10	8	52.27	52.27	52.27	156.81
1020	10	2.0	20	76	10	8	100.81	100.81	100.81	302.46
1105	11	0.5	22	82	8	6.3	62.66	62.66	62.66	187.99
1107	11	0.75	22	82	8	6.3	71.77	71.77	71.77	215.29

CAPITAL

CUTTING TOOLS



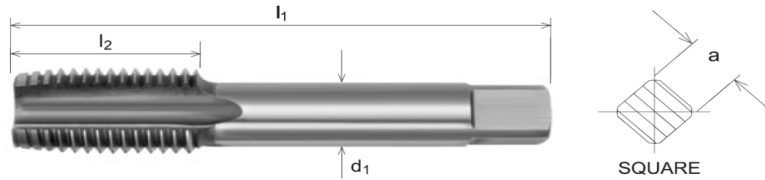
TAPS - METRIC FINE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T124-	T125-	T126-	T123-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
1110	11	1.0	22	82	8	6.3	71.77	71.77	71.77	215.29
1112	11	1.25	22	82	8	6.3	71.77	71.77	71.77	215.29
1117	11	1.75	22	82	8	6.3	71.77	71.77	71.77	215.29
1120	11	2.0	22	82	8	6.3	71.77	71.77	71.77	215.29
1205	12	0.5	24	84	9	7.1	49.38	49.38	49.38	148.14
1207	12	0.7	24	84	9	7.1	49.38	49.38	49.38	148.14
1275	12	0.75	24	84	9	7.1	51.78	51.78	51.78	155.34
1208	12	0.8	24	84	9	7.1	42.17	42.17	42.17	126.50
1210	12	1.0	24	84	9	7.1	42.17	42.17	42.17	126.50
1212	12	1.25	24	84	9	7.1	33.59	33.59	33.59	100.77
1215	12	1.5	24	84	9	7.1	33.59	33.59	33.59	100.77
1220	12	2.0	24	84	9	7.1	32.00	32.00	32.00	95.98
1305	13	0.5	29	89	9	7.1	47.04	47.04	47.04	141.13
1307	13	0.75	29	89	9	7.1	34.85	34.85	34.85	104.57
1310	13	1.0	29	89	9	7.1	34.86	34.86	34.86	104.57
1312	13	1.25	29	89	9	7.1	34.86	34.86	34.86	104.57
1315	13	1.5	29	89	9	7.1	34.86	34.86	34.86	104.57
1317	13	1.75	29	89	9	7.1	34.86	34.86	34.86	104.57
1320	13	2.0	29	89	9	7.1	34.86	34.86	34.86	104.57
1405	14	0.5	25	90	11.2	9	52.76	52.76	52.76	158.27
1407	14	0.7	25	90	11.2	9	52.76	52.76	52.76	158.27
1475	14	0.75	25	90	11.2	9	52.76	52.76	52.76	158.27
1410	14	1.0	25	90	11.2	9	50.73	50.73	50.73	152.17
1412	14	1.25	25	90	11.2	9	49.58	49.58	49.58	148.69
1415	14	1.5	25	90	11.2	9	49.58	49.58	49.58	148.69
1417	14	1.75	25	90	11.2	9	49.58	49.58	49.58	148.69
1505	15	0.5	30	95	11.2	9	74.46	74.46	74.46	223.39
1507	15	0.75	30	95	11.2	9	74.46	74.46	74.46	223.39
1508	15	0.8	30	95	11.2	9	74.46	74.46	74.46	223.39

CAPITAL

CUTTING TOOLS



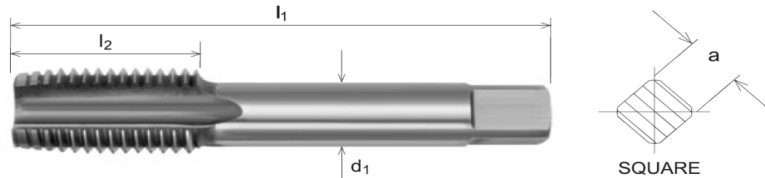
TAPS - METRIC FINE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T124-	T125-	T126-	T123-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
1510	15	1.0	30	95	11.2	9	69.73	69.73	69.73	209.20
1512	15	1.25	30	95	11.2	9	69.73	69.73	69.73	209.20
1515	15	1.5	30	95	11.2	9	69.73	69.73	69.73	209.20
1517	15	1.75	30	95	11.2	9	69.73	69.73	69.73	209.20
1520	15	2.0	30	95	11.2	9	69.73	69.73	69.73	209.20
1525	15	2.5	30	95	11.2	9	69.73	69.73	69.73	209.20
1605	16	0.5	32	102	12.5	10	75.23	75.23	75.23	225.69
1607	16	0.75	32	102	12.5	10	75.23	75.23	75.23	225.69
1608	16	0.8	32	102	12.5	10	75.23	75.23	75.23	225.69
1610	16	1.0	32	102	12.5	10	50.73	50.73	50.73	152.17
1612	16	1.25	32	102	12.5	10	50.73	50.73	50.73	152.17
1615	16	1.5	32	102	12.5	10	49.58	49.58	49.58	148.69
1617	16	1.75	32	102	12.5	10	66.87	66.87	66.87	200.61
1710	17	1.0	32	102	12.5	10	86.28	86.28	86.28	258.81
1712	17	1.25	32	102	12.5	10	86.28	86.28	86.28	258.81
1715	17	1.5	32	102	12.5	10	86.28	86.28	86.28	258.81
1720	17	2.0	32	102	12.5	10	86.28	86.28	86.28	258.81
1805	18	0.5	37	112	14	11.2	79.71	79.71	79.71	239.12
1807	18	0.75	37	112	14	11.2	79.71	79.71	79.71	239.12
1810	18	1.0	37	112	14	11.2	79.71	79.71	79.71	239.12
1812	18	1.25	37	112	14	11.2	59.83	59.83	59.83	179.49
1815	18	1.5	37	112	14	11.2	63.74	63.74	63.74	191.24
1820	18	2.0	37	112	14	11.2	69.23	69.23	69.23	207.67
1907	19	0.75	37	112	14	11.2	105.88	105.88	105.88	317.62
1910	19	1.0	37	112	14	11.2	105.88	105.88	105.88	317.62
1915	19	1.5	37	112	14	11.2	105.88	105.88	105.88	317.62
1920	19	2.0	37	112	14	11.2	105.88	105.88	105.88	317.62
1925	19	2.5	37	112	14	11.2	105.88	105.88	105.88	317.62
2005	20	0.5	37	112	14	11.2	97.24	97.24	97.24	291.74

CAPITAL

CUTTING TOOLS



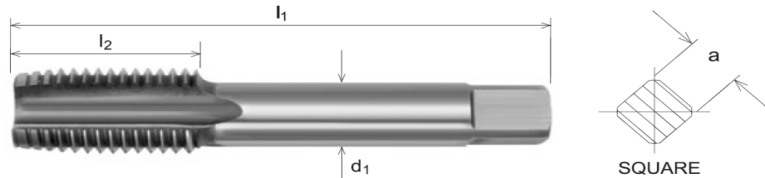
TAPS - METRIC FINE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T124-	T125-	T126-	T123-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2007	20	0.75	37	112	14	11.2	97.24	97.24	97.24	291.74
2008	20	0.8	37	112	14	11.2	97.24	97.24	97.24	291.74
2010	20	1.0	37	112	14	11.2	97.24	97.24	97.24	291.74
2012	20	1.25	37	112	14	11.2	77.04	77.04	77.04	231.12
2015	20	1.5	37	112	14	11.2	79.71	79.71	79.71	239.12
2017	20	1.75	37	112	14	11.2	79.71	79.71	79.71	239.12
2020	20	2.0	37	112	14	11.2	77.04	77.04	77.04	231.12
2030	20	3.0	37	112	14	11.2	79.71	79.71	79.71	239.11
2110	21	1.0	37	112	14	11.2	123.60	123.60	123.60	370.79
2115	21	1.5	37	112	14	11.2	139.12	139.12	139.12	417.36
2117	21	1.75	37	112	14	11.2	139.12	139.12	139.12	417.36
2207	22	0.7	37	112	14	11.2	139.12	139.12	139.12	417.36
2210	22	1.0	38	118	16	12.5	139.12	139.12	139.12	417.36
2212	22	1.25	38	118	16	12.5	95.55	95.55	95.55	286.63
2215	22	1.5	38	118	16	12.5	77.04	77.04	77.04	231.12
2217	22	1.75	38	118	16	12.5	170.43	170.43	170.43	511.32
2220	22	2.0	38	118	16	12.5	170.44	170.44	170.44	511.31
2230	22	3.0	38	118	16	12.5	170.44	170.44	170.44	511.31
2305	23	0.5	45	130	18	14	170.44	170.44	170.44	511.31
2310	23	1.0	45	130	18	14	170.44	170.44	170.44	511.31
2315	23	1.5	45	130	18	14	127.14	127.14	127.14	381.45
2317	23	1.75	45	130	18	14	127.14	127.14	127.14	381.45
2405	24	0.5	45	130	18	14	141.51	141.51	141.51	424.53
2407	24	0.75	45	130	18	14	141.51	141.51	141.51	424.53
2410	24	1.0	45	130	18	14	141.51	141.51	141.51	424.53
2412	24	1.25	45	130	18	14	110.27	110.27	110.27	330.80
2415	24	1.5	45	130	18	14	86.05	86.05	86.05	258.16
2417	24	1.75	45	130	18	14	116.89	116.89	116.89	350.65
2420	24	2.0	45	130	18	14	114.26	114.26	114.26	342.77

CAPITAL

CUTTING TOOLS



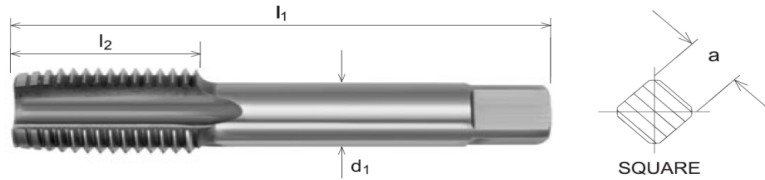
TAPS - METRIC FINE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T124-	T125-	T126-	T123-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2425	24	2.5	45	130	18	14	151.46	151.46	151.46	454.36
2510	25	1.0	45	130	18	14	151.46	151.46	151.46	454.36
2512	25	1.25	45	130	18	14	86.05	86.05	86.05	258.16
2515	25	1.5	45	130	18	14	86.08	86.08	86.08	258.36
2520	25	2.0	45	130	18	14	151.46	151.46	151.46	454.36
2525	25	2.5	45	130	18	14	151.46	151.46	151.46	454.36
2530	25	3.0	45	130	18	14	151.46	151.46	151.46	454.36
2610	26	1.0	48	138	20	16	151.46	151.46	151.46	454.36
2612	26	1.25	48	138	20	16	151.46	151.46	151.46	454.36
2615	26	1.5	48	138	20	16	151.46	151.46	151.46	454.36
2617	26	1.75	48	138	20	16	161.05	161.05	161.05	483.18
2620	26	2.0	48	138	20	16	161.05	161.05	161.05	483.18
2625	26	2.5	48	138	20	16	161.05	161.05	161.05	483.18
2705	27	0.5	48	138	20	16	161.05	161.05	161.05	483.18
2710	27	1.0	48	138	20	16	161.05	161.05	161.05	483.18
2712	27	1.25	48	138	20	16	161.05	161.05	161.05	483.18
2715	27	1.5	48	138	20	16	108.27	108.27	108.27	324.81
2720	27	2.0	48	138	20	16	175.43	175.43	175.43	526.28
2725	27	2.5	48	138	20	16	175.43	175.43	175.43	526.28
2810	28	1.0	48	138	20	16	175.43	175.43	175.43	526.28
2812	28	1.25	48	138	20	16	175.43	175.43	175.43	526.28
2815	28	1.5	48	138	20	16	175.43	175.43	175.43	526.28
2817	28	1.75	48	138	20	16	175.43	175.43	175.43	526.28
2820	28	2.0	48	138	20	16	175.43	175.43	175.43	526.28
2825	28	2.5	48	138	20	16	165.50	165.50	165.50	496.49
2830	28	3.0	48	138	20	16	175.43	175.43	175.43	526.28
2910	29	1.0	48	138	20	16	182.24	182.24	182.24	546.73
2912	29	1.25	48	138	20	16	182.24	182.24	182.24	546.73
2915	29	1.5	48	138	20	16	182.24	182.24	182.24	546.73

CAPITAL

CUTTING TOOLS



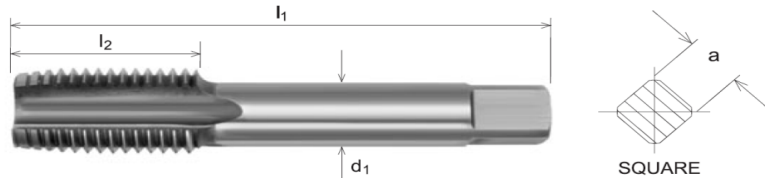
TAPS - METRIC FINE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T124-	T125-	T126-	T123-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
3010	30	1.0	48	138	20	16	154.12	154.12	154.12	462.36
3012	30	1.25	48	138	20	16	154.12	154.12	154.12	462.36
3015	30	1.5	48	138	20	16	154.12	154.12	154.12	462.36
3017	30	1.75	48	138	20	16	154.12	154.12	154.12	462.36
3020	30	2.0	48	138	20	16	143.40	143.40	143.40	430.19
3025	30	2.5	48	138	20	16	146.82	146.82	146.82	440.47
3030	30	3.0	48	138	20	16	170.44	170.44	170.44	511.31
3110	31	1.0	48	138	20	16	195.38	195.38	195.38	586.13
3115	31	1.5	48	138	20	16	194.83	194.83	194.83	586.13
3210	32	1.0	51	151	22.4	18	177.30	177.30	177.30	531.89
3212	32	1.25	51	151	22.4	18	177.30	177.30	177.30	531.89
3215	32	1.5	51	151	22.4	18	122.85	122.85	122.85	368.55
3220	32	2.0	51	151	22.4	18	177.30	177.30	177.30	531.89
3230	32	3.0	51	151	22.4	18	177.30	177.30	177.30	531.89
3310	33	1.0	51	151	22.4	18	197.66	197.66	197.66	592.98
3312	33	1.25	51	151	22.4	18	197.66	197.66	197.66	592.98
3315	33	1.5	51	151	22.4	18	197.66	197.66	197.66	592.98
3320	33	2.0	51	151	22.4	18	185.30	185.30	185.30	555.87
3330	33	3.0	51	151	22.4	18	197.66	197.66	197.66	592.98
3410	34	1.0	57	162	25	20	210.81	210.81	210.81	632.43
3415	34	1.5	57	162	25	20	210.81	210.81	210.81	632.43
3510	35	1.0	57	162	25	20	213.66	213.66	213.66	640.97
3515	35	1.5	57	162	25	20	213.66	213.66	213.66	640.97
3520	35	2.0	57	162	25	20	213.66	213.66	213.66	640.97
3530	35	3.0	57	162	25	20	213.66	213.66	213.66	640.97
3610	36	1.0	57	162	25	20	244.50	244.50	244.50	733.52
3612	36	1.25	57	162	25	20	244.50	244.50	244.50	733.52
3615	36	1.5	57	162	25	20	244.50	244.50	244.50	733.52
3620	36	2.0	57	162	25	20	275.17	275.17	275.17	825.52

CAPITAL

CUTTING TOOLS



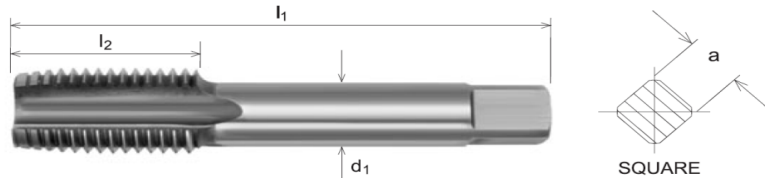
TAPS - METRIC FINE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T124-	T125-	T126-	T123-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
3630	36	3.0	57	162	25	20	275.17	275.17	275.17	825.52
3710	37	1.0	60	170	28	22.4	319.35	319.35	319.35	958.05
3715	37	1.5	60	170	28	22.4	319.35	319.35	319.35	958.05
3810	38	1.0	60	170	28	22.4	330.96	330.96	330.96	992.86
3815	38	1.5	60	170	28	22.4	330.96	330.96	330.96	992.86
3820	38	2.0	60	170	28	22.4	330.96	330.96	330.96	992.86
3910	39	1.0	60	170	28	22.4	336.48	336.48	336.48	1009.47
3915	39	1.5	60	170	28	22.4	336.48	336.48	336.48	1009.47
3920	39	2.0	60	170	28	22.4	336.48	336.48	336.48	1009.47
3930	39	3.0	60	170	28	22.4	336.48	336.48	336.48	1009.47
4010	40	1.0	60	170	28	22.4	344.48	344.48	344.48	1033.45
4015	40	1.5	60	170	28	22.4	189.74	189.74	189.74	569.21
4020	40	2.0	60	170	28	22.4	344.48	344.48	344.48	1033.45
4110	41	1.0	60	170	28	22.4	351.35	351.35	351.35	1054.03
4115	41	1.5	60	170	28	22.4	351.35	351.35	351.35	1054.03
4210	42	1.0	60	170	28	22.4	361.05	361.05	361.05	1083.13
4215	42	1.5	60	170	28	22.4	361.05	361.05	361.05	1083.13
4220	42	2.0	60	170	28	22.4	361.05	361.05	361.05	1083.13
4230	42	3.0	60	170	28	22.4	361.05	361.05	361.05	1083.13
4240	42	4.0	60	170	28	22.4	361.05	361.05	361.05	1083.13
4510	45	1.0	67	187	31.5	25	377.42	377.42	377.42	1132.26
4515	45	1.5	67	187	31.5	25	377.42	377.42	377.42	1132.26
4520	45	2.0	67	187	31.5	25	377.42	377.42	377.42	1132.26
4530	45	3.0	67	187	31.5	25	377.24	377.24	377.24	1131.71
4610	46	1.0	67	187	31.5	25	430.94	430.94	430.94	1292.82
4615	46	1.5	67	187	31.5	25	430.94	430.94	430.94	1292.82
4710	47	1.0	67	187	31.5	25	430.94	430.94	430.94	1292.82
4715	47	1.5	67	187	31.5	25	430.94	430.94	430.94	1292.82
4810	48	1.0	67	187	31.5	25	415.33	415.33	415.33	1245.97

CAPITAL

CUTTING TOOLS



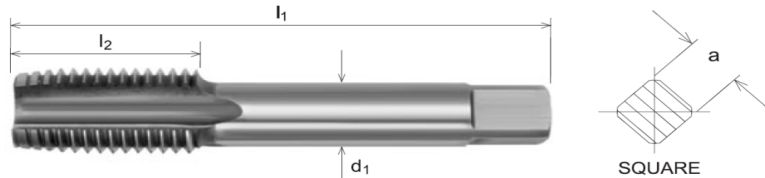
TAPS - METRIC FINE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T124-	T125-	T126-	T123-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
4815	48	1.5	67	187	31.5	25	415.33	415.33	415.33	1245.97
4820	48	2.0	67	187	31.5	25	415.33	415.33	415.33	1245.97
4830	48	3.0	67	187	31.5	25	415.33	415.33	415.33	1245.97
4840	48	4.0	67	187	31.5	25	415.33	415.33	415.33	1245.97
4845	48	4.5	67	187	31.5	25	415.33	415.33	415.33	1245.97
4915	49	1.5	70	200	35.5	28	430.94	430.94	430.94	1292.82
5015	50	1.5	70	200	35.5	28	426.16	426.16	426.16	1278.51
5020	50	2.0	70	200	35.5	28	426.16	426.16	426.16	1278.51
5055	50	5.5	70	200	35.5	28	426.16	426.16	426.16	1278.51
5230	52	3.0	70	200	35.5	28	485.20	485.20	485.20	1455.61
5620	56	2.0	70	200	35.5	28	564.42	564.42	564.42	1693.25
5640	56	4.0	70	200	35.5	28	645.35	645.35	645.35	1936.06
6020	60	2.0	70	200	45	35.5	683.06	683.06	683.06	2049.18
6060	60	6.0	70	200	45	35.5	683.06	683.06	683.06	2049.18
6315	63	1.5	70	200	45	35.5	643.64	643.64	643.64	1930.91
6415	64	1.5	70	200	45	35.5	643.64	643.64	643.64	1930.91
6440	64	4.0	70	200	45	35.5	757.89	757.89	757.89	2273.65
7020	70	2.0	70	200	45	35.5	819.89	819.89	819.89	2459.67

CAPITAL

CUTTING TOOLS

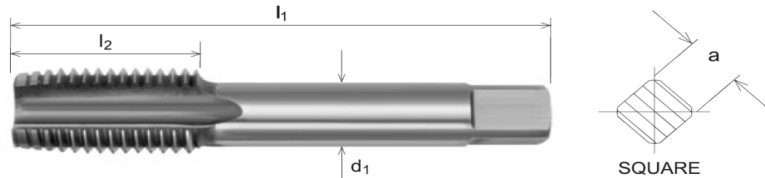


TAPS - METRIC FINE **LEFT HAND** HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T134-	T135-	T136-	T133-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
0255	2.5	0.5	11	48	3.15	2.5	24.84	24.84	24.84	74.54
0356	3.5	0.6	11	48	3.15	2.5	24.84	24.84	24.84	74.54
0405	4.0	0.5	13	53	4	3.15	24.84	24.84	24.84	74.54
0457	4.5	0.75	13	53	4	3.15	24.84	24.84	24.84	74.54
0505	5.0	0.5	16	58	5	4	24.83	24.83	24.83	74.53
0507	5.0	0.75	16	58	5	4	61.70	61.70	61.70	185.10
0510	5.0	1.0	16	58	5	4	24.83	24.83	24.83	74.53
0557	5.5	0.5	17	62	5.6	4.5	53.52	53.52	53.52	160.57
0605	6.0	0.5	19	66	6.3	5	53.52	53.52	53.52	160.57
0607	6.0	0.75	19	66	6.3	5	53.52	53.52	53.52	160.57
0609	6.0	0.9	19	66	6.3	5	53.52	53.52	53.52	160.57
0612	6.0	1.25	19	66	6.3	5	53.52	53.52	53.52	160.57
0615	6.0	1.5	19	66	6.3	5	53.52	53.52	53.52	160.57
0705	7.0	0.5	19	66	7.1	5.6	44.94	44.94	44.94	134.82
0707	7.0	0.75	19	66	7.1	5.6	44.94	44.94	44.94	134.82
0712	7.0	1.25	19	66	7.1	5.6	44.94	44.94	44.94	134.82
0715	7.0	1.5	19	66	7.1	5.6	44.94	44.94	44.94	134.82
0805	8.0	0.5	19	69	8	6.3	44.94	44.94	44.94	134.82
0807	8.0	0.75	19	69	8	6.3	44.94	44.94	44.94	134.82
0808	8.0	0.8	19	69	8	6.3	44.94	44.94	44.94	134.82
0810	8.0	1.0	19	69	8	6.3	44.94	44.94	44.94	134.82
0815	8.0	1.5	19	69	8	6.3	44.94	44.94	44.94	134.82
0905	9.0	0.5	19	69	9	7.1	60.50	60.50	60.50	181.51
0907	9.0	0.75	19	69	9	7.1	60.50	60.50	60.50	181.51
0910	9.0	1.0	19	69	9	7.1	60.50	60.50	60.50	181.51
0915	9.0	1.5	19	69	9	7.1	46.52	46.52	46.52	139.55
1005	10	0.5	20	76	10	8	53.14	53.14	53.14	159.41
1007	10	0.7	20	76	10	8	53.14	53.14	53.14	159.41

CAPITAL

CUTTING TOOLS

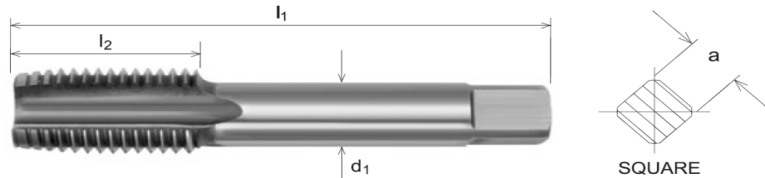


TAPS - METRIC FINE LEFT HAND HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T134-	T135-	T136-	T133-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
1075	10	0.75	20	76	10	8	53.18	53.18	53.18	159.54
1008	10	0.8	20	76	10	8	46.46	46.46	46.46	139.40
1010	10	1.0	20	76	10	8	46.46	46.46	46.46	139.40
1012	10	1.25	20	76	10	8	46.46	46.46	46.46	139.40
1017	10	1.75	20	76	10	8	46.46	46.46	46.46	139.40
1020	10	2.0	20	76	10	8	46.46	46.46	46.46	139.40
1105	11	0.5	22	82	8	6.3	55.81	55.81	55.81	167.41
1107	11	0.75	22	82	8	6.3	55.81	55.81	55.81	167.41
1110	11	1.0	22	82	8	6.3	55.81	55.81	55.81	167.41
1112	11	1.25	22	82	8	6.3	55.81	55.81	55.81	167.41
1205	12	0.5	24	84	9	7.1	59.42	59.42	59.42	178.24
1207	12	0.75	24	84	9	7.1	59.42	59.42	59.42	178.24
1208	12	0.8	24	84	9	7.1	59.42	59.42	59.42	178.24
1210	12	1.0	24	84	9	7.1	59.42	59.42	59.42	178.24
1212	12	1.25	24	84	9	7.1	59.42	59.42	59.42	178.24
1215	12	1.5	24	84	9	7.1	59.42	59.42	59.42	178.24
1220	12	2.0	24	84	9	7.1	59.42	59.42	59.42	178.24
1305	13	0.5	29	89	9	7.1	60.76	60.76	60.76	182.25
1310	13	1.0	29	89	9	7.1	60.76	60.76	60.76	182.25
1312	13	1.25	29	89	9	7.1	60.76	60.76	60.76	182.25
1315	13	1.5	29	89	9	7.1	60.76	60.76	60.76	182.25
1317	13	1.75	29	89	9	7.1	60.76	60.76	60.76	182.25
1405	14	0.5	25	90	11.2	9	65.88	65.88	65.88	197.66
1407	14	0.75	25	90	11.2	9	65.88	65.88	65.88	197.66
1410	14	1.0	25	90	11.2	9	65.88	65.88	65.88	197.66
1412	14	1.25	25	90	11.2	9	65.88	65.88	65.88	197.66
1415	14	1.5	25	90	11.2	9	70.82	70.82	70.82	212.46
1417	14	1.75	25	90	11.2	9	65.88	65.88	65.88	197.66
1505	15	0.5	30	95	11.2	9	76.92	76.92	76.92	230.80

CAPITAL

CUTTING TOOLS

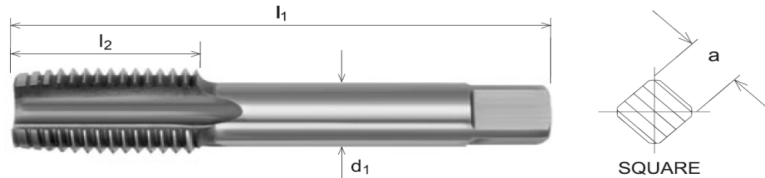


TAPS - METRIC FINE LEFT HAND HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T134-	T135-	T136-	T133-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
1507	15	0.75	30	95	11.2	9	76.92	76.92	76.92	230.80
1508	15	0.8	30	95	11.2	9	76.92	76.92	76.92	230.80
1510	15	1.0	30	95	11.2	9	77.70	77.70	77.70	233.09
1512	15	1.25	30	95	11.2	9	76.92	76.92	76.92	230.80
1515	15	1.5	30	95	11.2	9	76.92	76.92	76.92	230.80
1517	15	1.75	30	95	11.2	9	76.92	76.92	76.92	230.80
1520	15	2.0	30	95	11.2	9	76.92	76.92	76.92	230.80
1607	16	0.75	32	102	12.5	10	76.92	76.92	76.92	230.80
1608	16	0.8	32	102	12.5	10	76.92	76.92	76.92	230.80
1610	16	1.0	32	102	12.5	10	76.92	76.92	76.92	230.80
1612	16	1.25	32	102	12.5	10	76.92	76.92	76.92	230.80
1615	16	1.5	32	102	12.5	10	76.92	76.92	76.92	230.80
1617	16	1.75	32	102	12.5	10	76.92	76.92	76.92	230.80
1710	17	1.0	32	102	12.5	10	108.60	108.60	108.60	325.82
1712	17	1.25	32	102	12.5	10	108.60	108.60	108.60	325.82
1715	17	1.5	32	102	12.5	10	108.60	108.60	108.60	325.82
1810	18	1.0	37	112	14	11.2	114.08	114.08	114.08	342.23
1812	18	1.25	37	112	14	11.2	114.08	114.08	114.08	342.23
1815	18	1.5	37	112	14	11.2	114.08	114.08	114.08	342.23
1820	18	2.0	37	112	14	11.2	114.08	114.08	114.08	342.23
1910	19	1.0	37	112	14	11.2	116.16	116.16	116.16	348.48
1915	19	1.5	37	112	14	11.2	116.16	116.16	116.16	348.48
2010	20	1.0	37	112	14	11.2	125.30	125.30	125.30	375.90
2012	20	1.25	37	112	14	11.2	125.30	125.30	125.30	375.90
2015	20	1.5	37	112	14	11.2	125.30	125.30	125.30	375.90
2017	20	1.75	37	112	14	11.2	125.30	125.30	125.30	375.90
2020	20	2.0	37	112	14	11.2	125.30	125.30	125.30	375.90
2110	21	1.0	37	112	14	11.2	140.16	140.16	140.16	420.46
2115	21	1.5	37	112	14	11.2	140.16	140.16	140.16	420.46

CAPITAL

CUTTING TOOLS

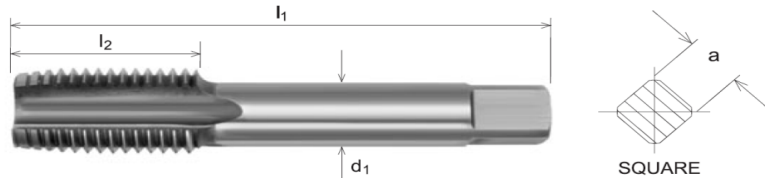


TAPS - METRIC FINE LEFT HAND HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T134-	T135-	T136-	T133-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2210	22	1.0	38	118	16	12.5	154.24	154.24	154.24	462.72
2212	22	1.25	38	118	16	12.5	154.24	154.24	154.24	462.72
2215	22	1.5	38	118	16	12.5	154.24	154.24	154.24	462.72
2217	22	1.75	38	118	16	12.5	154.24	154.24	154.24	462.72
2220	22	2.0	38	118	16	12.5	154.24	154.24	154.24	462.72
2310	23	1.0	45	130	18	14	207.85	207.85	207.85	623.53
2315	23	1.5	45	130	18	14	207.85	207.85	207.85	623.53
2410	24	1.0	45	130	18	14	170.06	170.06	170.06	510.17
2412	24	1.25	45	130	18	14	170.06	170.06	170.06	510.17
2415	24	1.5	45	130	18	14	170.06	170.06	170.06	510.17
2417	24	1.75	45	130	18	14	170.06	170.06	170.06	510.17
2420	24	2.0	45	130	18	14	170.06	170.06	170.06	510.17
2425	24	2.5	45	130	18	14	170.06	170.06	170.06	510.17
2510	25	1.0	45	130	18	14	175.77	175.77	175.77	527.32
2512	25	1.25	45	130	18	14	175.77	175.77	175.77	527.32
2515	25	1.5	45	130	18	14	175.77	175.77	175.77	527.32
2520	25	2.0	45	130	18	14	175.77	175.77	175.77	527.32
2610	26	1.0	48	138	20	16	179.20	179.20	179.20	537.59
2612	26	1.25	48	138	20	16	179.20	179.20	179.20	537.59
2615	26	1.5	48	138	20	16	179.20	179.20	179.20	537.59
2617	26	1.75	48	138	20	16	179.20	179.20	179.20	537.59
2710	27	1.0	48	138	20	16	183.96	183.96	183.96	551.86
2715	27	1.5	48	138	20	16	183.96	183.96	183.96	551.86
2720	27	2.0	48	138	20	16	167.58	167.58	167.58	502.72
2810	28	1.0	48	138	20	16	187.00	187.00	187.00	561.00
2815	28	1.5	48	138	20	16	187.00	187.00	187.00	561.00
2820	28	2.0	48	138	20	16	187.00	187.00	187.00	561.00
2825	28	2.5	48	138	20	16	187.00	187.00	187.00	561.00
2830	28	3.0	48	138	20	16	187.00	187.00	187.00	561.00

CAPITAL

CUTTING TOOLS

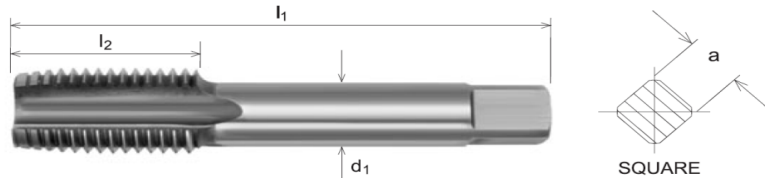


TAPS - METRIC FINE **LEFT HAND** HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T134-	T135-	T136-	T133-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2910	29	1.0	48	138	20	16	219.06	219.06	219.06	657.19
2915	29	1.5	48	138	20	16	219.06	219.06	219.06	657.19
3010	30	1.0	48	138	20	16	173.28	173.28	173.28	519.86
3012	30	1.25	48	138	20	16	173.28	173.28	173.28	519.86
3015	30	1.5	48	138	20	16	173.28	173.28	173.28	519.86
3017	30	1.75	48	138	20	16	173.28	173.28	173.28	519.86
3020	30	2.0	48	138	20	16	173.28	173.28	173.28	519.86
3025	30	2.5	48	138	20	16	173.28	173.28	173.28	519.86
3030	30	3.0	48	138	20	16	173.28	173.28	173.28	519.86
3110	31	1.0	48	138	20	16	244.20	244.20	244.20	732.59
3115	31	1.5	48	138	20	16	244.20	244.20	244.20	732.59
3210	32	1.0	51	151	22.4	18	199.18	199.18	199.18	597.56
3215	32	1.5	51	151	22.4	18	199.18	199.18	199.18	597.56
3220	32	2.0	51	151	22.4	18	199.18	199.18	199.18	597.56
3310	33	1.0	51	151	22.4	18	216.72	216.72	216.72	650.11
3312	33	1.25	51	151	22.4	18	216.72	216.72	216.72	650.11
3315	33	1.5	51	151	22.4	18	216.72	216.72	216.72	650.11
3320	33	2.0	51	151	22.4	18	216.72	216.72	216.72	650.11
3330	33	3.0	51	151	22.4	18	216.72	216.72	216.72	650.11
3410	34	1.0	57	162	25	20	253.24	253.24	253.24	759.72
3415	34	1.5	57	162	25	20	253.24	253.24	253.24	759.72
3510	35	1.0	57	162	25	20	264.00	264.00	264.00	791.98
3515	35	1.5	57	162	25	20	264.00	264.00	264.00	791.98
3520	35	2.0	57	162	25	20	264.00	264.00	264.00	791.98
3610	36	1.0	57	162	25	20	244.50	244.50	244.50	733.52
3615	36	1.5	57	162	25	20	244.50	244.50	244.50	733.52
3620	36	2.0	57	162	25	20	275.17	275.17	275.17	825.52
3630	36	3.0	57	162	25	20	275.17	275.17	275.17	825.52
3710	37	1.0	60	170	28	22.4	325.51	325.51	325.51	976.53

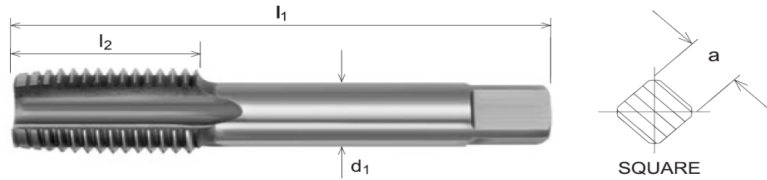
CAPITAL

CUTTING TOOLS



TAPS - METRIC FINE LEFT HAND HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T134-	T135-	T136-	T133-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
3715	37	1.5	60	170	28	22.4	325.51	325.51	325.51	976.53
3810	38	1.0	60	170	28	22.4	330.96	330.96	330.96	992.86
3815	38	1.5	60	170	28	22.4	330.96	330.96	330.96	992.86
3820	38	2.0	60	170	28	22.4	330.96	330.96	330.96	992.86
3910	39	1.0	60	170	28	22.4	336.48	336.48	336.48	1009.47
3915	39	1.5	60	170	28	22.4	336.87	336.87	336.87	1010.61
3920	39	2.0	60	170	28	22.4	336.48	336.48	336.48	1009.47
3930	39	3.0	60	170	28	22.4	336.48	336.48	336.48	1009.47
4010	40	1.0	60	170	28	22.4	322.78	322.78	322.78	968.33
4015	40	1.5	60	170	28	22.4	322.78	322.78	322.78	968.33
4020	40	2.0	60	170	28	22.4	322.78	322.78	322.78	968.33
4110	41	1.0	60	170	28	22.4	380.25	380.25	380.25	1140.76
4115	41	1.5	60	170	28	22.4	380.25	380.25	380.25	1140.76
4210	42	1.0	60	170	28	22.4	399.03	399.03	399.03	1197.12
4215	42	1.5	60	170	28	22.4	399.03	399.03	399.03	1197.12
4220	42	2.0	60	170	28	22.4	399.03	399.03	399.03	1197.12
4230	42	3.0	60	170	28	22.4	399.03	399.03	399.03	1197.12
4240	42	4.0	60	170	28	22.4	399.03	399.03	399.03	1197.12
4510	45	1.0	67	187	31.5	25	399.03	399.03	399.03	1197.12
4515	45	1.5	67	187	31.5	25	399.03	399.03	399.03	1197.12
4520	45	2.0	67	187	31.5	25	399.03	399.03	399.03	1197.12
4530	45	3.0	67	187	31.5	25	399.03	399.03	399.03	1197.12
4610	46	1.0	67	187	31.5	25	459.42	459.42	459.42	1378.26
4615	46	1.5	67	187	31.5	25	459.42	459.42	459.42	1378.26
4710	47	1.0	67	187	31.5	25	459.42	459.42	459.42	1378.26
4715	47	1.5	67	187	31.5	25	459.42	459.42	459.42	1378.26
4810	48	1.0	67	187	31.5	25	408.58	408.58	408.58	1225.73
4815	48	1.5	67	187	31.5	25	408.58	408.58	408.58	1225.73
4820	48	2.0	67	187	31.5	25	408.58	408.58	408.58	1225.73

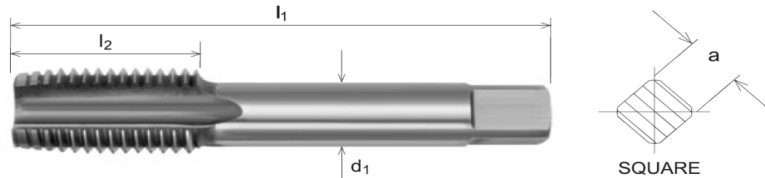


TAPS - METRIC FINE LEFT HAND
HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T134-	T135-	T136-	T133-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
4830	48	3.0	67	187	31.5	25	408.58	408.58	408.58	1225.73
4840	48	4.0	67	187	31.5	25	408.58	408.58	408.58	1225.73
4845	48	4.5	67	187	31.5	25	408.58	408.58	408.58	1225.73
4915	49	1.5	70	200	35.5	28	491.07	491.07	491.07	1473.19
5015	50	1.5	70	200	35.5	28	458.65	458.65	458.65	1373.78
5020	50	2.0	70	200	35.5	28	458.65	458.65	458.65	1373.78
5055	50	5.5	70	200	35.5	28	458.65	458.65	458.65	1373.78

CAPITAL

CUTTING TOOLS



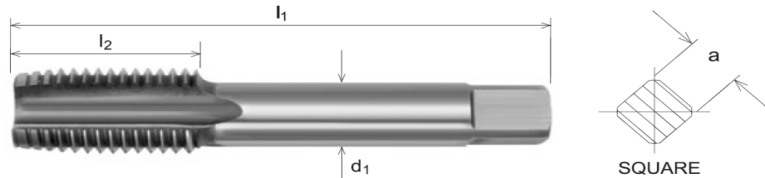
TAPS - UNC

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T204-	T205-	T206-	T203-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
0164	1	64	8	45	2.92	2.3	39.39	39.39	39.39	118.15
0256	2	56	9	46	2.92	2.3	29.90	29.90	29.90	89.45
0348	3	48	9	46	2.92	2.4	27.98	27.98	27.98	83.95
0440	4	40	11	48	3.15	2.5	19.71	19.71	19.71	59.16
0540	5	40	11	48	3.15	2.5	19.71	19.71	19.71	59.16
0632	6	32	13	50	3.55	2.8	12.90	12.90	12.90	38.69
0832	8	32	13	53	4.5	3.55	13.15	13.15	13.15	39.45
1024	10	24	16	58	5	4	12.03	12.03	12.03	36.09
1224	12	24	17	62	5.6	4.5	15.03	15.03	15.03	43.48
2820	1/4	20	19	66	6.3	5	11.48	11.48	11.48	34.42
3018	5/16	18	22	72	8	6.3	12.03	12.03	12.03	36.09
3216	3/8	16	24	80	10	8	16.56	16.56	16.56	49.65
3414	7/16	14	25	85	8	6.3	21.98	21.98	21.98	65.91
3613	1/2	13	29	89	9	7.1	24.62	24.62	24.62	73.87
3812	9/16	12	30	95	11.2	9	33.59	33.59	33.59	100.77
4011	5/8	11	32	102	12.5	10	35.39	35.39	35.39	106.15
4410	3/4	10	37	112	14	11.2	46.07	46.07	46.07	138.20
4809	7/8	9	38	118	16	12.5	69.03	69.03	69.03	207.07
5208	1"	8	45	130	18	14	83.33	83.33	83.33	249.99
5407	1.1/8	7	48	138	20	16	136.28	136.28	136.28	408.87
5607	1.1/4	7	51	151	22.4	18	152.25	152.25	152.25	456.74
5806	1.3/8	6	57	162	25	20	203.68	203.68	203.68	611.05
6006	1.1/2	6	60	170	28	22.4	226.90	226.90	226.90	680.70
6404	1.3/4	5	67	187	31.5	25	340.10	340.10	340.10	1020.28
6804	2"	4.5	70	200	35.5	28	464.09	464.09	464.09	1392.80
7212	2.1/4	4.5	70	200	35.5	28	640.58	640.58	640.58	1921.34

CAPITAL

CUTTING TOOLS



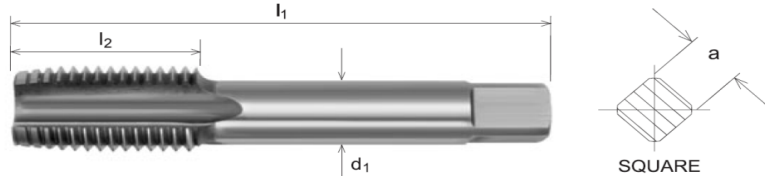
TAPS - UNC **LEFT HAND**

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T214-	T215-	T216-	T213-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
1024	10	24	16	58	5	4	55.13	55.13	55.13	165.40
1224	12	24	17	62	5.6	4.5	55.13	55.13	55.13	165.40
2820	1/4	20	19	66	6.3	5	38.73	38.73	38.73	116.22
3018	5/16	18	22	72	8	6.3	42.99	42.99	42.99	128.99
3216	3/8	16	24	80	10	8	49.91	49.91	49.91	149.72
3414	7/16	14	25	85	8	6.3	70.50	70.50	70.50	211.53
3613	1/2	13	29	89	9	7.1	90.81	90.81	90.81	272.42
3812	9/16	12	30	95	11.2	9	108.92	108.92	108.92	326.76
4011	5/8	11	32	102	12.5	10	108.92	108.92	108.92	326.76
4410	3/4	10	37	112	14	11.2	152.75	152.75	152.75	458.20
4809	7/8	9	38	118	16	12.5	195.70	195.70	195.70	587.11
5208	1"	8	45	130	18	14	215.79	215.79	215.79	647.39
5407	1.1/8	7	48	138	20	16	230.42	230.42	230.42	691.24
5607	1.1/4	7	51	151	22.4	18	251.95	251.95	251.95	755.83
5806	1.3/8	6	57	162	25	20	275.36	275.36	275.36	826.07
6006	1.1/2	6	60	170	28	22.4	291.17	291.17	291.17	874.04
6404	1.3/4	5	67	187	31.5	25	369.42	369.42	369.42	1108.27
6804	2"	4.1/2	70	200	35.5	28	468.27	468.27	468.27	1404.80

CAPITAL

CUTTING TOOLS



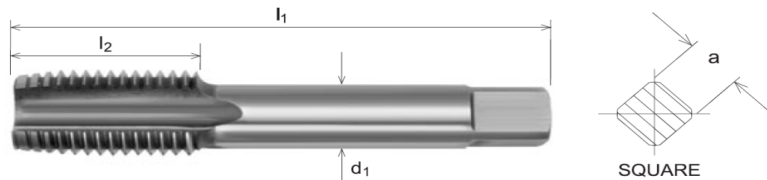
TAPS - UNF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T224-	T225-	T226-	T223-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
0080	0	80	9	46	2.92	2.4	63.89	63.89	63.89	191.66
0172	1	72	9	46	2.92	2.4	63.89	63.89	63.89	191.66
0264	2	64	9	46	2.92	2.4	63.89	63.89	63.89	191.66
0356	3	56	9	46	2.92	2.4	26.57	26.57	26.57	79.71
0448	4	48	11	48	3.15	2.5	18.60	18.60	18.60	55.83
0544	5	44	11	48	3.15	2.5	18.60	18.60	18.60	55.83
0640	6	40	13	50	3.55	2.8	9.09	9.09	9.09	27.25
0836	8	36	13	53	4.5	3.55	12.77	12.77	12.77	38.31
1032	10	32	16	58	5	4	11.13	11.13	11.13	33.40
1228	12	28	17	62	5.6	4.5	13.81	13.81	13.81	41.46
2828	1/4	28	19	66	6.3	5	10.60	10.60	10.60	31.82
3024	5/16	24	22	72	8	6.3	11.19	11.19	11.19	33.56
3224	3/8	24	24	80	10	8	15.36	15.36	15.36	46.10
3420	7/16	20	25	85	8	6.3	20.73	20.73	20.73	62.19
3620	1/2	20	29	89	9	7.1	23.37	23.37	23.37	70.12
3818	9/16	18	30	95	11.2	9	33.59	33.59	33.59	100.77
4018	5/8	18	32	102	12.5	10	34.48	34.48	34.48	103.43
4416	3/4	16	37	112	14	11.2	42.37	42.37	42.37	137.98
4814	7/8	14	38	118	16	12.5	70.93	70.93	70.93	212.79
5212	1"	12	45	130	18	14	83.13	83.13	83.13	249.40
5214	1" UNS	14	45	130	18	14	119.41	119.41	119.41	358.26
5312	1.1/16	12	48	138	20	16	129.83	129.83	129.83	389.51
5412	1.1/8	12	48	138	20	16	136.28	136.28	136.28	408.87
5512	1.3/16	12	48	138	20	16	144.99	144.99	144.99	434.98
5612	1.1/4	12	51	151	22.4	18	152.25	152.25	152.25	456.75
5712	1.5/16	12	51	151	22.4	18	193.96	193.96	193.96	581.89
5812	1.3/8	12	57	162	25	20	203.68	203.68	203.68	611.05
5912	1.7/16	12	57	162	25	20	203.68	203.68	203.68	611.05
6012	1.1/2	12	60	170	28	22.4	226.59	226.59	226.59	679.76

CAPITAL

CUTTING TOOLS



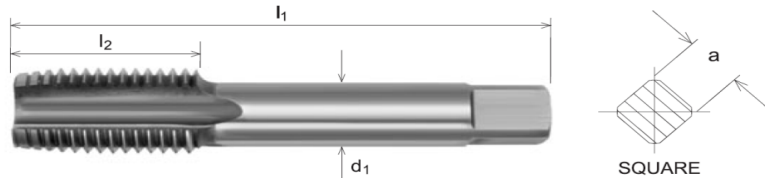
TAPS - UNF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T224-	T225-	T226-	T223-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
6112	1.9/16	12	60	170	28	22.4	321.44	321.44	321.44	964.31
6212	1.5/8	12	60	170	28	22.4	355.72	355.72	355.72	1067.14
6412	1.3/4	12	67	187	31.5	25	420.66	420.66	420.66	1261.97
6612	1.7/8	12	67	187	31.5	25	425.99	425.99	425.99	1277.97
6812	2"	12	70	200	35.5	28	439.04	439.04	439.04	1317.13
7212	2.1/4	12	70	200	35.5	28	640.58	640.58	640.58	1921.77
7612	2.1/2	12	70	200	35.5	28	770.27	770.27	770.27	2310.82
8412	3"	12	70	200	35.5	28	884.53	884.53	884.53	2653.60

CAPITAL

CUTTING TOOLS



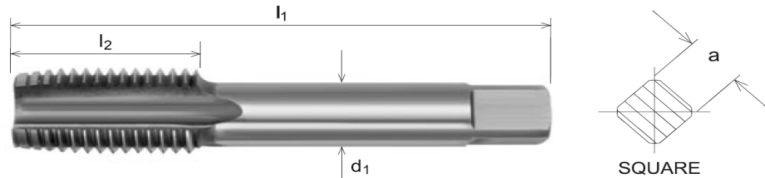
TAPS - UNF LEFT HAND

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T234-	T235-	T236-	T233-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
836	8	36	16	58	5	4	54.19	54.19	54.19	162.58
1032	10	32	16	58	5	4	26.20	26.20	26.20	79.10
1228	12	28	17	62	5.6	4.5	36.96	36.96	36.96	110.84
2828	1/4	28	19	66	6.3	5	38.73	38.73	38.73	116.22
3024	5/16	24	22	72	8	6.3	42.99	42.99	42.99	128.99
3224	3/8	24	24	80	10	8	49.91	49.91	49.91	149.72
3420	7/16	20	25	85	8	6.3	70.50	70.50	70.50	211.53
3620	1/2	20	29	89	9	7.1	90.81	90.81	90.81	272.42
3818	9/16	18	30	95	11.2	9	93.30	93.30	93.30	279.92
4018	5/8	18	32	102	12.5	10	108.51	108.51	108.51	325.53
4416	3/4	16	37	112	14	11.2	160.37	160.37	160.37	481.12
4814	7/8	14	38	118	16	12.5	205.48	205.48	205.48	616.43
5212	1"	12	45	130	18	14	244.17	244.17	244.17	732.48
5214	1" UNS	14	45	130	18	14	244.17	244.17	244.17	732.48
5312	1.1/16	12	48	138	20	16	244.17	244.17	244.17	732.48
5412	1.1/8	12	48	138	20	16	259.74	259.74	259.74	779.22
5512	1.3/16	12	48	138	20	16	278.02	278.02	278.02	834.06
5612	1.1/4	12	51	151	22.4	18	254.39	254.39	254.39	763.16
5712	1.5/16	12	51	151	22.4	18	340.31	340.31	340.31	1020.95
5812	1.3/8	12	57	162	25	20	349.45	349.45	349.45	1048.32
5912	1.7/16	12	57	162	25	20	361.63	361.63	361.63	1084.88
6012	1.1/2	12	60	170	28	22.4	371.14	371.14	371.14	1113.75
6112	1.9/16	12	60	170	28	22.4	389.81	389.81	389.81	1169.43
6212	1.5/8	12	60	170	28	22.4	429.98	429.98	429.98	1289.93
6412	1.3/4	12	67	187	31.5	25	445.41	445.41	445.41	1336.23
6612	1.7/8	12	67	187	31.5	25	473.21	473.21	473.21	1419.64
6812	2"	12	70	200	35.5	28	486.14	486.14	486.14	1458.42

CAPITAL

CUTTING TOOLS



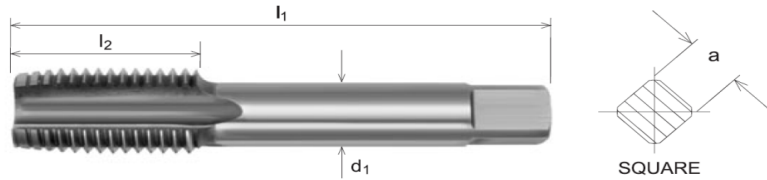
TAPS - UNEF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T244-	T245-	T246-	T243-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
1232	12	32	17	62	5.6	4.5	30.37	30.37	30.37	91.13
2832	1/4	32	19	66	6.3	5	25.63	25.63	25.63	76.88
3032	5/16	32	22	72	8	6.3	28.67	28.67	28.67	85.97
3232	3/8	32	24	80	10	8	32.35	32.35	32.35	97.06
3428	7/16	28	25	85	8	6.3	34.96	34.96	34.96	104.89
3628	1/2	28	29	89	9	7.1	42.17	42.17	42.17	126.50
3824	9/16	24	30	95	11.2	9	63.91	63.91	63.91	191.74
4024	5/8	24	32	102	12.5	10	71.97	71.97	71.97	215.90
4224	11/16	24	37	112	14	11.2	103.20	103.20	103.20	309.62
4420	3/4	20	37	112	14	11.2	78.44	78.44	78.44	235.31
4620	13/16	20	38	118	16	12.5	157.11	157.11	157.11	471.33
4820	7/8	20	38	118	16	12.5	170.82	170.82	170.82	512.45
5020	15/16	20	45	130	18	14	172.73	172.73	172.73	518.18
5220	1"	20	45	130	18	14	86.05	86.05	86.05	258.16
5318	1.1/16	18	48	138	20	16	198.80	198.80	198.80	596.42
5418	1.1/8	18	48	138	20	16	211.67	211.67	211.67	634.98
5518	1.3/16	18	48	138	20	16	211.67	211.67	211.67	634.98
5618	1.1/4	18	51	151	22.4	18	260.51	260.51	260.51	781.51
5718	1.5/16	18	51	151	22.4	18	309.33	309.33	309.33	928.01
5818	1.3/8	18	57	162	25	20	322.40	322.40	322.40	967.19
5918	1.7/16	18	57	162	25	20	323.45	323.45	323.45	970.35
6018	1.1/2	18	60	170	28	22.4	324.10	324.10	324.10	972.31

CAPITAL

CUTTING TOOLS



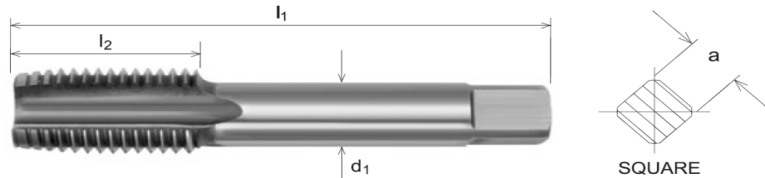
TAPS - UNEF LEFT HAND

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T254-	T255-	T256-	T253-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2832	1/4	32	19	66	6.3	5	41.43	41.43	41.43	124.28
3032	5/16	32	22	72	8	6.3	47.04	47.04	47.04	141.13
3232	3/8	32	24	80	10	8	61.90	61.90	61.90	185.69
3428	7/16	28	25	85	8	6.3	70.50	70.50	70.50	211.53
3628	1/2	28	29	89	9	7.1	90.81	90.81	90.81	272.42
3824	9/16	24	30	95	11.2	9	93.30	93.30	93.30	279.92
4024	5/8	24	32	102	12.5	10	108.46	108.46	108.46	325.36
4224	11/16	24	37	112	14	11.2	110.26	110.26	110.26	330.79
4420	3/4	20	37	112	14	11.2	166.53	166.53	166.53	499.55
4620	13/16	20	38	118	16	12.5	160.37	160.37	160.37	481.12
4820	7/8	20	38	118	16	12.5	205.48	205.48	205.48	616.43
5020	15/16	20	45	130	18	14	205.48	205.48	205.48	616.43
5220	1"	20	45	130	18	14	244.17	244.17	244.17	732.48

CAPITAL

CUTTING TOOLS



TAPS - 8 UN SERIES

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T264-	T265-	T266-	T263-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
4808	7/8	8	38	118	16	12.5	165.13	165.13	165.13	495.39
5408	1.1/8	8	48	138	20	16	129.80	129.80	129.80	389.39
5608	1.1/4	8	51	151	22.4	18	144.99	144.99	144.99	434.98
5808	1.3/8	8	57	162	25	20	193.86	193.86	193.86	581.56
6008	1.1/2	8	60	170	28	22.4	216.06	216.06	216.06	648.21
6208	1.5/8	8	60	170	28	22.4	355.72	355.72	355.72	1067.14
6408	1.3/4	8	67	187	31.5	25	421.60	421.60	421.60	1264.81
6608	1.7/8	8	67	187	31.5	25	425.99	425.99	425.99	1277.97
6808	2"	8	70	200	35.5	28	441.98	441.98	441.98	1325.95
7208	2.1/4	8	70	200	35.5	28	640.58	640.58	640.58	1921.77
7608	2.1/2	8	70	200	35.5	28	770.27	770.27	770.27	2310.82
8008	2.3/4	8	70	200	35.5	28	842.63	842.63	842.63	2527.92
8408	3"	8	70	200	35.5	28	884.56	884.56	884.56	2653.70

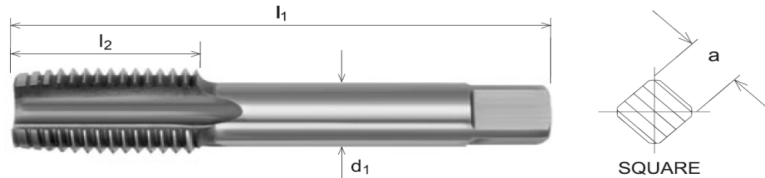
TAPS - 8 UN SERIES **LEFT HAND**

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T274-	T275-	T276-	T273-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
5408	1.1/8	8	48	138	20	16	142.95	142.95	142.95	428.84
5608	1.1/4	8	51	151	22.4	18	158.14	158.14	158.14	474.41
5808	1.3/8	8	57	162	25	20	207.00	207.00	207.00	620.99
6008	1.1/2	8	60	170	28	22.4	229.20	229.20	229.20	687.61
6208	1.5/8	8	60	170	28	22.4	368.85	368.85	368.85	1106.56
6408	1.3/4	8	67	187	31.5	25	447.88	447.88	447.88	1343.64
6608	1.7/8	8	67	187	31.5	25	452.27	452.27	452.27	1356.81
6808	2"	8	70	200	35.5	28	468.26	468.26	468.26	1404.79
7608	2.1/2	8	70	200	35.5	28	796.55	796.55	796.55	2389.65
8408	3"	8	70	200	35.5	28	908.33	908.33	908.33	2725.00

CAPITAL

CUTTING TOOLS



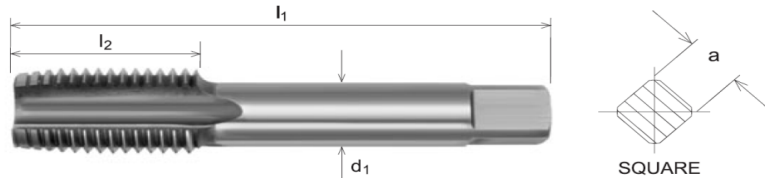
TAPS - UN FORM

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T284 -	T285 -	T286 -	T283 -
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
0648	6	48	13	50	3.55	2.8	63.89	63.89	63.89	191.66
0848	8	48	13	53	4.5	3.55	63.89	63.89	63.89	191.66
2532	5/32	32	13	53	4.5	3.55	55.67	55.67	55.67	167.02
2540	5/32	40	13	53	4.5	3.55	55.67	55.67	55.67	167.02
2632	3/16	32	16	58	5	4	55.67	55.67	55.67	167.02
2640	3/16	40	16	58	5	4	55.67	55.67	55.67	167.02
1048	10	48	16	58	5	4	63.89	63.89	63.89	191.66
20336	.203	36	16	58	5	4	63.89	63.89	63.89	191.66
20936	.209	36	16	58	5	4	63.89	63.89	63.89	191.66
2732	7/32	32	18	64	6	4	72.95	72.95	72.95	218.86
2740	7/32	40	18	64	6	4	72.95	72.95	72.95	218.86
23464	.234	64	19	66	6.3	5	85.16	85.16	85.16	255.49
2824	1/4	24	19	66	6.3	5	55.68	55.68	55.68	167.03
2827	1/4	27	19	66	6.3	5	55.68	55.68	55.68	167.03
2836	1/4	36	19	66	6.3	5	55.68	55.68	55.68	167.03
2840	1/4	40	19	66	6.3	5	55.68	55.68	55.68	167.03
2848	1/4	48	19	66	6.3	5	55.68	55.68	55.68	167.03
2856	1/4	56	19	66	6.3	5	83.52	83.52	83.52	250.58
2924	9/32	24	19	66	6.3	5	72.95	72.95	72.95	218.86
2928	9/32	28	19	66	6.3	5	72.95	72.95	72.95	218.86
2932	9/32	32	19	66	6.3	5	72.95	72.95	72.95	218.86
2936	9/32	36	19	66	6.3	5	72.95	72.95	72.95	218.86
2940	9/32	40	19	66	6.3	5	92.74	92.74	92.74	278.25
30232	.302	32	22	72	8	6.3	63.89	63.89	63.89	191.66
30336	.303	36	22	72	8	6.3	63.89	63.89	63.89	191.66
30532	.305	32	22	72	8	6.3	63.89	63.89	63.89	191.66
30536	.305	36	22	72	8	6.3	63.89	63.89	63.89	191.66
31132	.311	32	22	72	8	6.3	63.89	63.89	63.89	191.66
3016	5/16	16	22	72	8	6.3	68.76	68.76	68.76	206.27
3020	5/16	20	22	72	8	6.3	59.42	59.42	59.42	178.24
3027	5/16	27	22	72	8	6.3	59.42	59.42	59.42	178.24

CAPITAL

CUTTING TOOLS



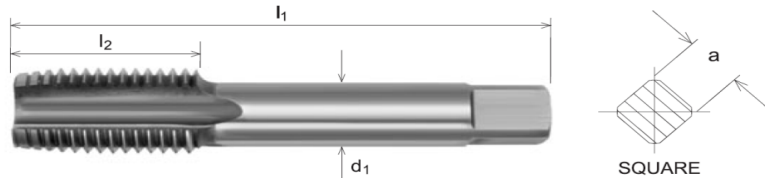
TAPS - UN FORM

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T284 -	T285 -	T286 -	T283 -
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
3028	5/16	28	22	72	8	6.3	59.42	59.42	59.42	178.24
3030	5/16	30	22	72	8	6.3	59.42	59.42	59.42	178.24
3032	5/16	32	22	72	8	6.3	27.59	27.59	27.59	85.97
3036	5/16	36	22	72	8	6.3	59.42	59.42	59.42	178.24
3040	5/16	40	22	72	8	6.3	56.74	56.74	56.74	170.24
3048	5/16	48	22	72	8	6.3	75.99	75.99	75.99	227.95
3056	5/16	56	22	72	8	6.3	75.99	75.99	75.99	227.95
3064	5/16	64	22	72	8	6.3	75.99	75.99	75.99	227.95
3124	11/32	24	22	72	8	6.3	67.78	67.78	67.78	203.38
3132	11/32	32	22	72	8	6.3	67.78	67.78	67.78	203.38
3218	3/8	18	24	80	10	8	56.95	56.95	56.95	170.85
3220	3/8	20	24	80	10	8	56.95	56.95	56.95	170.85
3227	3/8	27	24	80	10	8	56.95	56.95	56.95	170.85
3228	3/8	28	24	80	10	8	56.95	56.95	56.95	170.85
3232	3/8	32	24	80	10	8	56.95	56.95	56.95	170.85
3236	3/8	36	24	80	10	8	56.95	56.95	56.95	170.85
3240	3/8	40	24	80	10	8	56.95	56.95	56.95	170.85
3248	3/8	48	24	80	10	8	73.12	73.12	73.12	219.36
3324	13/32	24	24	80	10	8	80.36	80.36	80.36	241.08
3332	13/32	32	24	80	10	8	80.36	80.36	80.36	241.08
3336	13/32	36	24	80	10	8	80.36	80.36	80.36	241.08
3412	7/16	12	25	85	8	6.3	62.28	62.28	62.28	186.83
3416	7/16	16	25	85	8	6.3	62.28	62.28	62.28	186.83
3418	7/16	18	25	85	8	6.3	62.28	62.28	62.28	186.83
3424	7/16	24	25	85	8	6.3	62.28	62.28	62.28	186.83
3427	7/16	27	25	85	8	6.3	62.28	62.28	62.28	186.83
3428	7/16	28	25	85	8	6.3	34.96	34.96	34.96	104.89
3432	7/16	32	25	85	8	6.3	62.28	62.28	62.28	186.83
3440	7/16	40	25	85	8	6.3	62.28	62.28	62.28	186.83

CAPITAL

CUTTING TOOLS



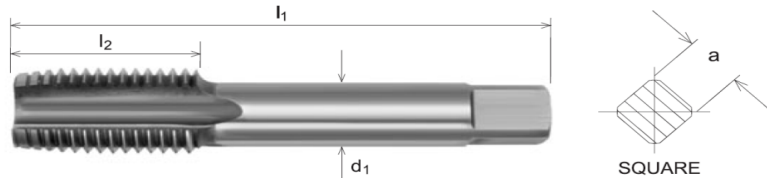
TAPS - UN FORM

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T284 -	T285 -	T286 -	T283 -
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
3524	15/32	24	25	85	8	6.3	90.47	90.47	90.47	271.39
3532	15/32	32	25	85	8	6.3	90.47	90.47	90.47	271.39
3612	1/2	12	29	89	9	7.1	69.68	69.68	69.68	209.08
3614	1/2	14	29	89	9	7.1	68.76	68.76	68.76	206.27
3616	1/2	16	29	89	9	7.1	68.76	68.76	68.76	206.27
3618	1/2	18	29	89	9	7.1	68.76	68.76	68.76	206.27
3624	1/2	24	29	89	9	7.1	68.76	68.76	68.76	206.27
3627	1/2	27	29	89	9	7.1	68.56	68.56	68.56	205.66
3632	1/2	32	29	89	9	7.1	68.56	68.56	68.56	205.66
3636	1/2	36	29	89	9	7.1	68.56	68.56	68.56	205.66
3640	1/2	40	29	89	9	7.1	74.26	74.26	74.26	222.80
3740	17/32	40	29	89	9	7.1	89.23	89.23	89.23	267.68
3816	9/16	16	30	95	11.2	9	89.23	89.23	89.23	267.68
3820	9/16	20	30	95	11.2	9	89.23	89.23	89.23	267.68
3824	9/16	24	30	95	11.2	9	86.17	86.17	86.17	258.49
3827	9/16	27	30	95	11.2	9	88.74	88.74	88.74	266.22
3828	9/16	28	30	95	11.2	9	88.74	88.74	88.74	266.22
3832	9/16	32	30	95	11.2	9	88.74	88.74	88.74	266.22
4012	5/8	12	32	102	12.5	10	94.93	94.93	94.93	284.82
4014	5/8	14	32	102	12.5	10	94.93	94.93	94.93	284.82
4016	5/8	16	32	102	12.5	10	94.93	94.93	94.93	284.82
4020	5/8	20	32	102	12.5	10	94.93	94.93	94.93	284.82
4027	5/8	27	32	102	12.5	10	105.60	105.60	105.60	316.81
4028	5/8	28	32	102	12.5	10	105.60	105.60	105.60	316.81
4032	5/8	32	32	102	12.5	10	105.60	105.60	105.60	316.81
4036	5/8	36	32	102	12.5	10	140.34	140.34	140.34	421.05
4040	5/8	40	32	102	12.5	10	140.34	140.34	140.34	421.05
4212	11/16	12	37	112	14	11.2	99.04	99.04	99.04	297.07
4214	11/16	14	37	112	14	11.2	99.04	99.04	99.04	297.07
4216	11/16	16	37	112	14	11.2	99.04	99.04	99.04	297.07
4218	11/16	18	37	112	14	11.2	99.04	99.04	99.04	297.07

CAPITAL

CUTTING TOOLS



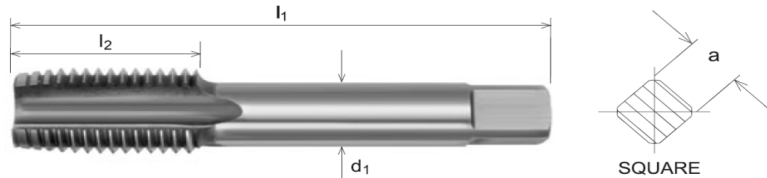
TAPS - UN FORM

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T284 -	T285 -	T286 -	T283 -
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
4220	11/16	20	37	112	14	11.2	99.04	99.04	99.04	297.07
4227	11/16	27	37	112	14	11.2	103.20	103.20	103.20	309.62
4228	11/16	28	37	112	14	11.2	122.06	122.06	122.06	366.21
4232	11/16	32	37	112	14	11.2	122.06	122.06	122.06	366.21
4240	11/16	40	37	112	14	11.2	122.06	122.06	122.06	366.21
4411	3/4	11	37	112	14	11.2	111.98	111.98	111.98	335.90
4412	3/4	12	37	112	14	11.2	111.98	111.98	111.98	335.90
4414	3/4	14	37	112	14	11.2	111.98	111.98	111.98	335.90
4418	3/4	18	37	112	14	11.2	111.98	111.98	111.98	335.90
4420	3/4	20	37	112	14	11.2	59.83	59.83	59.83	179.49
4424	3/4	24	37	112	14	11.2	111.98	111.98	111.98	335.90
4427	3/4	27	37	112	14	11.2	132.54	132.54	132.54	397.62
4428	3/4	28	37	112	14	11.2	132.54	132.54	132.54	397.62
4432	3/4	32	37	112	14	11.2	132.54	132.54	132.54	397.62
4440	3/4	40	37	112	14	11.2	132.54	132.54	132.54	397.62
4610	13/16	10	38	118	16	12.5	151.58	151.58	151.58	454.72
4611	13/16	11	38	118	16	12.5	151.58	151.58	151.58	454.72
4612	13/16	12	38	118	16	12.5	151.58	151.58	151.58	454.72
4614	13/16	14	38	118	16	12.5	106.11	106.11	106.11	318.31
4616	13/16	16	38	118	16	12.5	106.11	106.11	106.11	318.31
4618	13/16	18	38	118	16	12.5	106.11	106.11	106.11	318.31
4624	13/16	24	38	118	16	12.5	106.11	106.11	106.11	318.31
4627	13/16	27	38	118	16	12.5	106.11	106.11	106.11	318.31
4628	13/16	28	38	118	16	12.5	124.11	124.11	124.11	372.32
4632	13/16	32	38	118	16	12.5	124.11	124.11	124.11	372.32
4809	7/8	9	38	118	16	12.5	48.32	48.32	48.32	144.95
4810	7/8	10	38	118	16	12.5	119.57	119.57	119.57	358.72
4811	7/8	11	38	118	16	12.5	119.57	119.57	119.57	358.72
4812	7/8	12	38	118	16	12.5	119.57	119.57	119.57	358.72
4814	7/8	14	38	118	16	12.5	49.65	49.65	49.65	148.95
4816	7/8	16	38	118	16	12.5	119.57	119.57	119.57	358.72

CAPITAL

CUTTING TOOLS



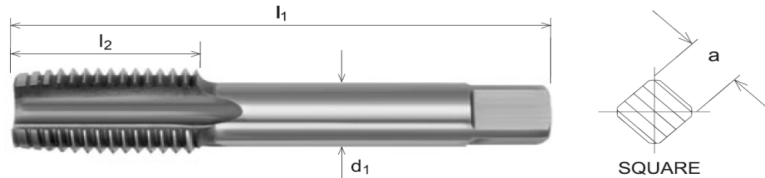
TAPS - UN FORM

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T284 -	T285 -	T286 -	T283 -
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
4818	7/8	18	38	118	16	12.5	119.57	119.57	119.57	358.72
4820	7/8	20	38	118	16	12.5	119.57	119.57	119.57	358.72
4824	7/8	24	38	118	16	12.5	119.57	119.57	119.57	358.72
4827	7/8	27	38	118	16	12.5	170.82	170.82	170.82	512.45
4828	7/8	28	38	118	16	12.5	170.82	170.82	170.82	512.45
4832	7/8	32	38	118	16	12.5	184.14	184.14	184.14	552.45
4840	7/8	40	38	118	16	12.5	184.14	184.14	184.14	552.45
5010	15/16	10	45	130	18	14	185.30	185.30	185.30	555.87
5012	15/16	12	45	130	18	14	185.30	185.30	185.30	555.87
5014	15/16	14	45	130	18	14	185.30	185.30	185.30	555.87
5016	15/16	16	45	130	18	14	185.30	185.30	185.30	555.87
5018	15/16	18	45	130	18	14	166.25	166.25	166.25	498.75
5020	15/16	20	45	130	18	14	172.73	172.73	172.73	518.18
5024	15/16	24	45	130	18	14	166.25	166.25	166.25	498.75
5027	15/16	27	45	130	18	14	168.16	168.16	168.16	504.47
5028	15/16	28	45	130	18	14	168.16	168.16	168.16	504.47
5032	15/16	32	45	130	18	14	168.16	168.16	168.16	504.47
5208	1"	8	45	130	18	14	83.29	83.29	83.29	249.88
5210	1"	10	45	130	18	14	184.14	184.14	184.14	552.45
5212	1"	12	45	130	18	14	83.13	83.13	83.13	249.40
5214	1"	14	45	130	18	14	119.41	119.41	119.41	358.26
5218	1"	16	45	130	18	14	196.54	196.54	196.54	589.63
5218	1"	18	45	130	18	14	184.14	184.14	184.14	552.45
5220	1"	20	45	130	18	14	86.05	86.05	86.05	258.16
5224	1"	24	45	130	18	14	184.14	184.14	184.14	552.45
5227	1"	27	45	130	18	14	184.14	184.14	184.14	552.45
5232	1"	32	45	130	18	14	184.14	184.14	184.14	552.45
5236	1"	36	45	130	18	14	184.14	184.14	184.14	552.45
5240	1"	40	45	130	18	14	184.14	184.14	184.14	552.45

CAPITAL

CUTTING TOOLS



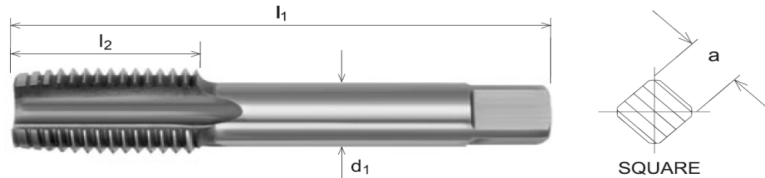
TAPS - UN FORM

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T284 -	T285 -	T286 -	T283 -
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
5310	1.1/16	10	48	138	20	16	198.80	198.80	198.80	595.32
5312	1.1/16	12	48	138	20	16	129.80	129.80	129.80	389.39
5314	1.1/16	14	48	138	20	16	198.80	198.80	198.80	595.32
5316	1.1/16	16	48	138	20	16	198.80	198.80	198.80	595.32
5318	1.1/16	18	48	138	20	16	198.80	198.80	198.80	595.32
5320	1.1/16	20	48	138	20	16	198.80	198.80	198.80	595.32
5324	1.1/16	24	48	138	20	16	198.80	198.80	198.80	595.32
5332	1.1/16	32	48	138	20	16	198.80	198.80	198.80	595.32
5407	1.1/8	7	48	138	20	16	136.28	136.28	136.28	408.87
5408	1.1/8	8	48	138	20	16	129.80	129.80	129.80	389.39
5410	1.1/8	10	48	138	20	16	219.22	219.22	219.22	657.67
5412	1.1/8	12	48	138	20	16	136.28	136.28	136.28	408.87
5414	1.1/8	14	48	138	20	16	219.22	219.22	219.22	657.67
5416	1.1/8	16	48	138	20	16	225.29	225.29	225.29	675.83
5418	1.1/8	18	48	138	20	16	211.67	211.67	211.67	634.98
5420	1.1/8	20	48	138	20	16	225.29	225.29	225.29	675.83
5424	1.1/8	24	48	138	20	16	225.29	225.29	225.29	675.83
5427	1.1/8	27	48	138	20	16	225.29	225.29	225.29	675.83
5432	1.1/8	32	48	138	20	16	225.29	225.29	225.29	675.83
5436	1.1/8	36	48	138	20	16	225.29	225.29	225.29	675.83
5514	1.3/16	14	48	138	20	16	237.66	237.66	237.66	712.95
5516	1.3/16	16	48	138	20	16	237.66	237.66	237.66	712.95
5520	1.3/16	20	48	138	20	16	238.61	238.61	238.61	715.83
5524	1.3/16	24	48	138	20	16	238.61	238.61	238.61	715.83
5532	1.3/16	32	48	138	20	16	262.42	262.42	262.42	787.22
5608	1.1/4	8	51	151	22.4	18	144.99	144.99	144.99	434.98
5610	1.1/4	10	51	151	22.4	18	249.00	249.00	249.00	747.81
5614	1.1/4	14	51	151	22.4	18	249.00	249.00	249.00	747.81
5616	1.1/4	16	51	151	22.4	18	249.00	249.00	249.00	747.81
5620	1.1/4	20	51	151	22.4	18	249.00	249.00	249.00	747.81
5624	1.1/4	24	51	151	22.4	18	249.00	249.00	249.00	747.81

CAPITAL

CUTTING TOOLS



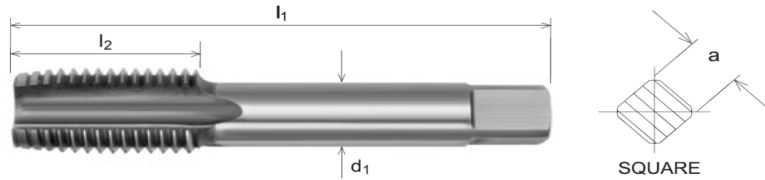
TAPS - UN FORM

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T284 -	T285 -	T286 -	T283 -
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
5632	1.1/4	32	51	151	22.4	18	262.29	262.29	262.29	786.90
5714	1.5/16	14	51	151	22.4	18	258.58	258.58	258.58	775.78
5716	1.5/16	16	51	151	22.4	18	258.58	258.58	258.58	775.78
5720	1.5/16	20	51	151	22.4	18	258.58	258.58	258.58	775.78
5724	1.5/16	24	51	151	22.4	18	258.58	258.58	258.58	775.78
5810	1.3/8	10	57	162	25	20	267.18	267.18	267.18	801.53
5814	1.3/8	14	57	162	25	20	267.18	267.18	267.18	801.53
5816	1.3/8	16	57	162	25	20	267.18	267.18	267.18	801.53
5818	1.3/8	18	57	162	25	20	267.18	267.18	267.18	801.53
5820	1.3/8	20	57	162	25	20	267.18	267.18	267.18	801.53
5824	1.3/8	24	57	162	25	20	267.18	267.18	267.18	801.53
5916	1.7/16	16	57	162	25	20	295.11	295.11	295.11	885.35
5920	1.7/16	20	57	162	25	20	295.11	295.11	295.11	885.35
6006	1.1/2	6	60	170	28	22.4	226.90	226.90	226.90	680.70
6008	1.1/2	8	60	170	28	22.4	216.06	216.06	216.06	648.21
6014	1.1/2	14	60	170	28	22.4	324.10	324.10	324.10	972.31
6016	1.1/2	16	60	170	28	22.4	324.10	324.10	324.10	972.31
6020	1.1/2	20	60	170	28	22.4	324.10	324.10	324.10	972.31
6024	1.1/2	24	60	170	28	22.4	324.10	324.10	324.10	972.31
6118	1.9/16	18	60	170	28	22.4	321.44	321.44	321.44	964.31
6120	1.9/16	20	60	170	28	22.4	321.44	321.44	321.44	964.31
6216	1.5/8	16	60	170	28	22.4	355.72	355.72	355.72	1067.14
6218	1.5/8	18	60	170	28	22.4	355.72	355.72	355.72	1067.14
6416	1.3/4	16	67	187	31.5	25	420.46	420.46	420.46	1261.37
6418	1.3/4	18	67	187	31.5	25	420.46	420.46	420.46	1261.37
6420	1.3/4	20	67	187	31.5	25	420.46	420.46	420.46	1261.37
6616	1.7/8	16	67	187	31.5	25	425.99	425.99	425.99	1277.97
6618	1.7/8	18	67	187	31.5	25	425.99	425.99	425.99	1277.97
6620	1.7/8	20	67	187	31.5	25	425.99	425.99	425.99	1277.97
6810	2"	10	70	200	35.5	28	441.98	441.98	441.98	1325.95
6814	2"	14	70	200	35.5	28	438.94	438.94	438.94	1316.81

CAPITAL

CUTTING TOOLS



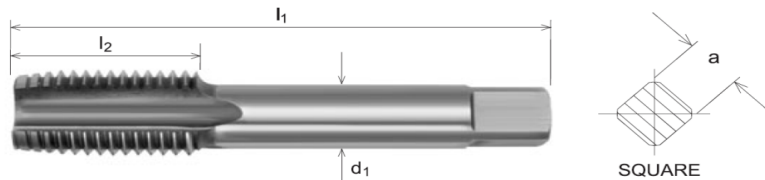
TAPS - UN FORM

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T284 -	T285 -	T286 -	T283 -
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
6816	2"	16	70	200	35.5	28	438.94	438.94	438.94	1316.81
6818	2"	18	70	200	35.5	28	438.94	438.94	438.94	1316.81
7012	2.1/8	12	70	200	35.5	28	485.72	485.72	485.72	1457.12
7412	2.3/8	12	70	200	35.5	28	591.66	591.66	591.66	1774.97
7812	2.5/8	12	70	200	35.5	28	701.34	701.34	701.34	2104.02
8012	2.3/4	12	70	200	35.5	28	718.87	718.87	718.87	2156.58
9012	3.1/2	12	70	200	35.5	28	1268.87	1268.87	1268.87	3806.58
9412	4"	12	70	200	35.5	28	1371.95	1371.95	1371.95	4115.88

CAPITAL

CUTTING TOOLS



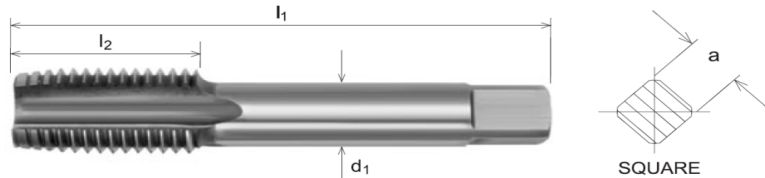
TAPS - UN FORM **LEFT HAND**

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T294 -	T295 -	T296 -	T293 -
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
0648	6	40	13	50	3.55	2.8	64.20	64.20	64.20	192.59
2732	7/32	32	19	66	6.3	5	41.43	41.43	41.43	124.28
2824	1/4	24	19	66	6.3	5	41.43	41.43	41.43	124.28
2827	1/4	27	19	66	6.3	5	41.43	41.43	41.43	124.28
2836	1/4	36	19	66	6.3	5	67.72	67.72	67.72	203.15
2840	1/4	40	19	66	6.3	5	67.72	67.72	67.72	203.15
2848	1/4	48	19	66	6.3	5	67.72	67.72	67.72	203.15
2856	1/4	56	19	66	6.3	5	67.72	67.72	67.72	203.15
2932	9/32	32	19	66	6.3	5	69.52	69.52	69.52	208.53
2940	9/32	40	19	66	6.3	5	75.99	75.99	75.99	227.95
3016	5/16	16	22	72	8	6.3	47.13	47.13	47.13	141.40
3020	5/16	20	22	72	8	6.3	47.13	47.13	47.13	141.40
3027	5/16	27	22	72	8	6.3	47.04	47.04	47.04	141.13
3028	5/16	28	22	72	8	6.3	47.04	47.04	47.04	141.13
3036	5/16	36	22	72	8	6.3	73.33	73.33	73.33	219.98
3040	5/16	40	22	72	8	6.3	73.33	73.33	73.33	219.98
3048	5/16	48	22	72	8	6.3	73.33	73.33	73.33	219.98
3056	5/16	56	22	72	8	6.3	73.33	73.33	73.33	219.98
3064	5/16	64	22	72	8	6.3	73.33	73.33	73.33	219.98
3132	11/32	32	22	72	8	6.3	81.68	81.68	81.68	245.05
3220	3/8	20	24	80	10	8	49.91	49.91	49.91	149.72
3227	3/8	27	24	80	10	8	61.90	61.90	61.90	185.69
3228	3/8	28	24	80	10	8	61.90	61.90	61.90	185.69
3232	3/8	32	24	80	10	8	56.96	56.96	56.96	170.87
3236	3/8	36	24	80	10	8	79.98	79.98	79.98	239.94
3240	3/8	40	24	80	10	8	79.98	79.98	79.98	239.94
3248	3/8	48	24	80	10	8	89.50	89.50	89.50	268.50
3324	13/32	24	24	80	10	8	100.74	100.74	100.74	302.23

CAPITAL

CUTTING TOOLS



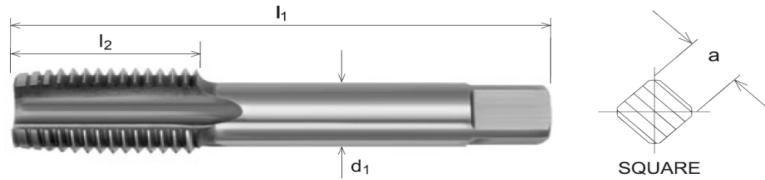
TAPS - UN FORM **LEFT HAND**

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T294 -	T295 -	T296 -	T293 -
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
3332	13/32	32	24	80	10	8	100.74	100.74	100.74	302.23
3414	7/16	14	25	85	8	6.3	70.50	70.50	70.50	211.53
3416	7/16	16	25	85	8	6.3	70.50	70.50	70.50	211.53
3420	7/16	20	25	85	8	6.3	70.50	70.50	70.50	211.53
3424	7/16	24	25	85	8	6.3	70.50	70.50	70.50	211.53
3427	7/16	27	25	85	8	6.3	70.50	70.50	70.50	211.53
3428	7/16	28	25	85	8	6.3	70.50	70.50	70.50	211.53
3432	7/16	32	25	85	8	6.3	70.50	70.50	70.50	211.53
3440	7/16	40	25	85	8	6.3	74.09	74.09	74.09	222.25
3524	15/32	24	25	85	8	6.3	100.74	100.74	100.74	302.23
3532	15/32	32	25	85	8	6.3	100.74	100.74	100.74	302.23
3611	1/2	11	29	89	9	7.1	90.82	90.82	90.82	272.47
3612	1/2	12	29	89	9	7.1	90.82	90.82	90.82	272.47
3614	1/2	14	29	89	9	7.1	90.82	90.82	90.82	272.47
3616	1/2	16	29	89	9	7.1	90.82	90.82	90.82	272.47
3618	1/2	18	29	89	9	7.1	90.82	90.82	90.82	272.47
3624	1/2	24	29	89	9	7.1	90.82	90.82	90.82	272.47
3627	1/2	27	29	89	9	7.1	90.82	90.82	90.82	272.47
3632	1/2	32	29	89	9	7.1	90.82	90.82	90.82	272.47
3636	1/2	36	29	89	9	7.1	90.82	90.82	90.82	272.47
3640	1/2	40	29	89	9	7.1	90.82	90.82	90.82	272.47
3816	9/16	16	30	95	11.2	9	108.92	108.92	108.92	326.76
3820	9/16	20	30	95	11.2	9	93.30	93.30	93.30	279.92
3824	9/16	24	30	95	11.2	9	97.50	97.50	97.50	292.50
3827	9/16	27	30	95	11.2	9	97.50	97.50	97.50	292.50
3828	9/16	28	30	95	11.2	9	97.50	97.50	97.50	292.50
3832	9/16	32	30	95	11.2	9	97.50	97.50	97.50	292.50

CAPITAL

CUTTING TOOLS



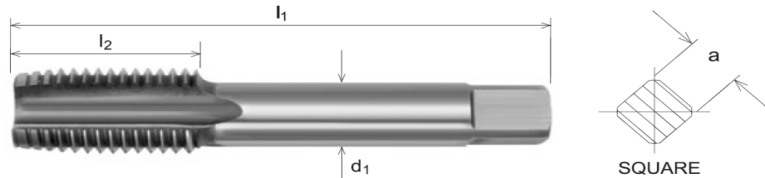
TAPS - UN FORM **LEFT HAND**

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T294 -	T295 -	T296 -	T293 -
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
3840	9/16	40	30	95	11.2	9	97.50	97.50	97.50	292.50
3932	19/32	32	30	95	11.2	9	108.92	108.92	108.92	326.75
4011	5/8	11	32	102	12.5	10	108.92	108.92	108.92	326.76
4012	5/8	12	32	102	12.5	10	108.92	108.92	108.92	326.76
4014	5/8	14	32	102	12.5	10	108.92	108.92	108.92	326.76
4016	5/8	16	32	102	12.5	10	108.92	108.92	108.92	326.76
4018	5/8	18	32	102	12.5	10	108.46	108.46	108.46	325.36
4020	5/8	20	32	102	12.5	10	108.46	108.46	108.46	325.36
4024	5/8	24	32	102	12.5	10	108.46	108.46	108.46	325.36
4027	5/8	27	32	102	12.5	10	108.46	108.46	108.46	325.36
4028	5/8	28	32	102	12.5	10	108.46	108.46	108.46	325.36
4032	5/8	32	32	102	12.5	10	108.46	108.46	108.46	325.36
4036	5/8	36	32	102	12.5	10	108.46	108.46	108.46	325.36
4214	11/16	14	37	112	14	11.2	110.26	110.26	110.26	330.79
4216	11/16	16	37	112	14	11.2	110.26	110.26	110.26	330.79
4218	11/16	18	37	112	14	11.2	110.26	110.26	110.26	330.79
4220	11/16	20	37	112	14	11.2	110.26	110.26	110.26	330.79
4227	11/16	27	37	112	14	11.2	110.26	110.26	110.26	330.79
4228	11/16	28	37	112	14	11.2	110.26	110.26	110.26	330.79
4232	11/16	32	37	112	14	11.2	110.26	110.26	110.26	330.79
4240	11/16	40	37	112	14	11.2	110.26	110.26	110.26	330.79
4412	3/4	12	37	112	14	11.2	152.75	152.75	152.75	458.20
4414	3/4	14	37	112	14	11.2	160.37	160.37	160.37	481.12
4418	3/4	18	37	112	14	11.2	160.37	160.37	160.37	481.12
4420	3/4	20	37	112	14	11.2	166.53	166.53	166.53	499.55
4424	3/4	24	37	112	14	11.2	166.53	166.53	166.53	499.55
4427	3/4	27	37	112	14	11.2	176.16	176.16	176.16	528.45
4428	3/4	28	37	112	14	11.2	171.30	171.30	171.30	513.88
4432	3/4	32	37	112	14	11.2	171.30	171.30	171.30	513.88

CAPITAL

CUTTING TOOLS



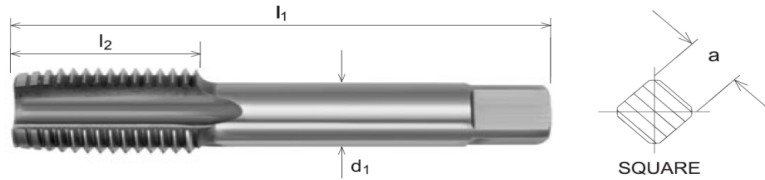
TAPS - UN FORM **LEFT HAND**

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T294 -	T295 -	T296 -	T293 -
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
4610	13/16	10	38	118	16	12.5	152.75	152.75	152.75	458.20
4612	13/16	12	38	118	16	12.5	152.75	152.75	152.75	458.20
4614	13/16	14	38	118	16	12.5	160.37	160.37	160.37	481.12
4616	13/16	16	38	118	16	12.5	160.37	160.37	160.37	481.12
4618	13/16	18	38	118	16	12.5	160.37	160.37	160.37	481.12
4620	13/16	20	38	118	16	12.5	160.37	160.37	160.37	481.12
4624	13/16	24	38	118	16	12.5	166.53	166.53	166.53	499.55
4627	13/16	27	38	118	16	12.5	176.16	176.16	176.16	528.45
4628	13/16	28	38	118	16	12.5	171.30	171.30	171.30	513.88
4632	13/16	32	38	118	16	12.5	171.30	171.30	171.30	513.88
4809	7/8	9	38	118	16	12.5	195.70	195.70	195.70	587.11
4810	7/8	10	38	118	16	12.5	205.48	205.48	205.48	616.43
4812	7/8	12	38	118	16	12.5	205.48	205.48	205.48	616.43
4814	7/8	14	38	118	16	12.5	205.48	205.48	205.48	616.43
4816	7/8	16	38	118	16	12.5	205.48	205.48	205.48	616.43
4818	7/8	18	38	118	16	12.5	205.48	205.48	205.48	616.43
4820	7/8	20	38	118	16	12.5	205.48	205.48	205.48	616.43
4824	7/8	24	38	118	16	12.5	205.48	205.48	205.48	616.43
4827	7/8	27	38	118	16	12.5	218.34	218.34	218.34	655.01
4832	7/8	32	38	118	16	12.5	218.34	218.34	218.34	655.01
4840	7/8	40	38	118	16	12.5	223.38	223.38	223.38	670.13
5012	15/16	12	45	130	18	14	205.48	205.48	205.48	616.43
5016	15/16	16	45	130	18	14	205.48	205.48	205.48	616.43
5018	15/16	18	45	130	18	14	205.48	205.48	205.48	616.43
5020	15/16	20	45	130	18	14	205.48	205.48	205.48	616.43
5024	15/16	24	45	130	18	14	205.48	205.48	205.48	616.43
5027	15/16	27	45	130	18	14	222.31	222.31	222.31	666.97
5028	15/16	28	45	130	18	14	222.31	222.31	222.31	666.97
5032	15/16	32	45	130	18	14	222.31	222.31	222.31	666.97

CAPITAL

CUTTING TOOLS

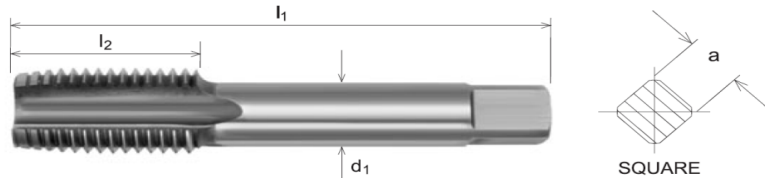


TAPS - UN FORM LEFT HAND HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T294 -	T295 -	T296 -	T293 -
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
5210	1"	10	45	130	18	14	215.79	215.79	215.79	647.39
5214	1"	14	45	130	18	14	244.17	244.17	244.17	732.48
5218	1"	18	45	130	18	14	244.17	244.17	244.17	732.48
5220	1"	20	45	130	18	14	244.17	244.17	244.17	732.48
5224	1"	24	45	130	18	14	244.17	244.17	244.17	732.48
5232	1"	32	45	130	18	14	244.17	244.17	244.17	732.48
5236	1"	36	45	130	18	14	244.17	244.17	244.17	732.48
5240	1"	40	45	130	18	14	244.17	244.17	244.17	732.48
5310	1.1/16	10	48	138	20	16	246.49	246.49	246.49	739.49
5314	1.1/16	14	48	138	20	16	246.49	246.49	246.49	739.49
5316	1.1/16	16	48	138	20	16	246.49	246.49	246.49	739.49
5318	1.1/16	18	48	138	20	16	246.49	246.49	246.49	739.49
5320	1.1/16	20	48	138	20	16	246.49	246.49	246.49	739.49
5324	1.1/16	24	48	138	20	16	254.58	254.58	254.58	763.72
5332	1.1/16	32	48	138	20	16	254.58	254.58	254.58	763.72
5408	1.1/8	8	48	138	20	16	246.49	246.49	246.49	739.49
5410	1.1/8	10	48	138	20	16	246.49	246.49	246.49	739.49
5414	1.1/8	14	48	138	20	16	246.49	246.49	246.49	739.49
5416	1.1/8	16	48	138	20	16	246.49	246.49	246.49	739.49
5418	1.1/8	18	48	138	20	16	246.49	246.49	246.49	739.49
5420	1.1/8	20	48	138	20	16	246.49	246.49	246.49	739.49
5424	1.1/8	24	48	138	20	16	246.49	246.49	246.49	739.49
5427	1.1/8	27	48	138	20	16	246.49	246.49	246.49	739.49
5432	1.1/8	32	48	138	20	16	246.49	246.49	246.49	739.49
5436	1.1/8	36	48	138	20	16	246.49	246.49	246.49	739.49
5510	1.3/16	10	48	138	20	16	262.42	262.42	262.42	787.22
5514	1.3/16	14	48	138	20	16	250.42	250.42	250.42	751.25
5516	1.3/16	16	48	138	20	16	250.42	250.42	250.42	751.25
5520	1.3/16	20	48	138	20	16	250.42	250.42	250.42	751.25

CAPITAL

CUTTING TOOLS



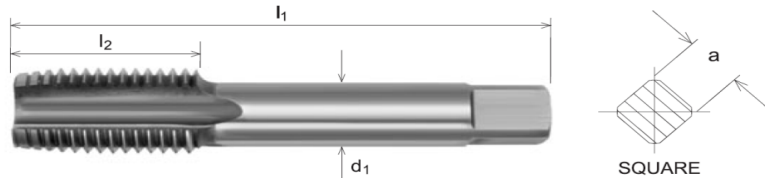
TAPS - UN FORM **LEFT HAND**

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T294 -	T295 -	T296 -	T293 -
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
5524	1.3/16	24	48	138	20	16	250.42	250.42	250.42	751.25
5532	1.3/16	32	48	138	20	16	250.42	250.42	250.42	751.25
5608	1.1/4	8	51	151	22.4	18	144.99	144.99	144.99	434.98
5610	1.1/4	10	51	151	22.4	18	254.39	254.39	254.39	763.00
5614	1.1/4	14	51	151	22.4	18	254.39	254.39	254.39	763.00
5616	1.1/4	16	51	151	22.4	18	254.39	254.39	254.39	763.00
5620	1.1/4	20	51	151	22.4	18	254.39	254.39	254.39	763.00
5624	1.1/4	24	51	151	22.4	18	275.56	275.56	275.56	826.67
5632	1.1/4	32	51	151	22.4	18	275.56	275.56	275.56	826.67
5714	1.5/16	14	51	151	22.4	18	259.95	259.95	259.95	779.81
5716	1.5/16	16	51	151	22.4	18	259.95	259.95	259.95	779.81
5720	1.5/16	20	51	151	22.4	18	259.95	259.95	259.95	779.81
5814	1.3/8	14	57	162	25	20	275.36	275.36	275.36	826.07
5816	1.3/8	16	57	162	25	20	275.36	275.36	275.36	826.07
5820	1.3/8	20	57	162	25	20	275.36	275.36	275.36	826.07
5824	1.3/8	24	57	162	25	20	275.36	275.36	275.36	826.07
5914	1.7/16	14	57	162	25	20	280.88	280.88	280.88	842.65
5916	1.7/16	16	57	162	25	20	280.88	280.88	280.88	842.65
5918	1.7/16	18	57	162	25	20	280.88	280.88	280.88	842.65
5920	1.7/16	20	57	162	25	20	280.88	280.88	280.88	842.65
6008	1.1/2	8	60	170	28	22.4	280.88	280.88	280.88	842.65
6014	1.1/2	14	60	170	28	22.4	291.34	291.34	291.34	874.04
6016	1.1/2	16	60	170	28	22.4	291.34	291.34	291.34	874.04
6018	1.1/2	18	60	170	28	22.4	291.34	291.34	291.34	874.04
6020	1.1/2	20	60	170	28	22.4	291.34	291.34	291.34	874.04
6024	1.1/2	24	60	170	28	22.4	291.34	291.34	291.34	874.04
6114	1.9/16	14	60	170	28	22.4	302.78	302.78	302.78	908.33
6118	1.9/16	18	60	170	28	22.4	302.78	302.78	302.78	908.33
6120	1.9/16	20	60	170	28	22.4	302.78	302.78	302.78	908.33

CAPITAL

CUTTING TOOLS



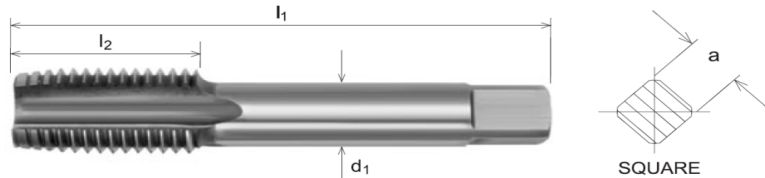
TAPS - UN FORM **LEFT HAND**

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T294 -	T295 -	T296 -	T293 -
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
6208	1.5/8	8	60	170	28	22.4	355.72	355.72	355.72	1067.14
6214	1.5/8	14	60	170	28	22.4	365.62	365.62	365.62	1096.84
6216	1.5/8	16	60	170	28	22.4	365.62	365.62	365.62	1096.84
6218	1.5/8	18	60	170	28	22.4	365.62	365.62	365.62	1096.84
6414	1.3/4	14	67	187	31.5	25	388.48	388.48	388.48	1165.41
6416	1.3/4	16	67	187	31.5	25	396.08	396.08	396.08	1188.25
6418	1.3/4	18	67	187	31.5	25	399.88	399.88	399.88	1199.67
6420	1.3/4	20	67	187	31.5	25	399.88	399.88	399.88	1199.67
6608	1.7/8	8	67	187	31.5	25	425.99	425.99	425.99	1277.97
6616	1.7/8	16	67	187	31.5	25	396.08	396.08	396.08	1188.25
6618	1.7/8	18	67	187	31.5	25	399.88	399.88	399.88	1199.67
6620	1.7/8	20	67	187	31.5	25	403.71	403.71	403.71	1211.11
6808	2"	8	70	200	35.5	28	441.98	441.98	441.98	1325.95
6810	2"	10	70	200	35.5	28	468.45	468.45	468.45	1405.33
6814	2"	14	70	200	35.5	28	468.45	468.45	468.45	1405.33
6816	2"	16	70	200	35.5	28	474.16	474.16	474.16	1422.46
6818	2"	18	70	200	35.5	28	474.16	474.16	474.16	1422.46
7012	2.1/8	12	70	200	35.5	28	500.82	500.82	500.82	1502.45
7212	2.1/4	12	70	200	35.5	28	640.02	640.02	640.02	1920.07
7412	2.3/8	12	70	200	35.5	28	683.62	683.62	683.62	2050.87
7612	2.1/2	12	70	200	35.5	28	770.27	770.27	770.27	2310.82
7812	2.5/8	12	70	200	35.5	28	749.39	749.39	749.39	2248.21
8012	2.3/4	12	70	200	35.5	28	837.87	837.87	837.87	2513.61
8412	3"	12	70	200	35.5	28	883.82	883.82	883.82	2653.60
9012	3.1/2	12	70	200	35.5	28	1270.12	1270.12	1270.12	3810.38
9412	4"	12	70	200	35.5	28	1483.40	1483.40	1483.40	4450.20

CAPITAL

CUTTING TOOLS



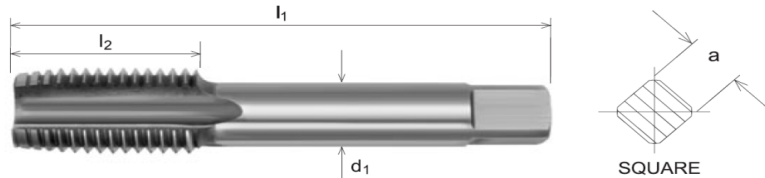
TAPS - BSW

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T304 -	T305 -	T306 -	T303 -
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2348	3/32	48	9.5	44.5	2.5	2.24	44.42	44.42	44.42	133.30
2440	1/8	40	11	48	3.15	2.5	17.75	17.75	17.75	53.26
2532	5/32	32	13	53	4	3.15	17.75	17.75	17.75	53.26
2624	3/16	24	16	58	5	4	11.19	11.19	11.19	33.56
2724	7/32	24	18	64	6	4	16.85	16.85	16.85	50.54
2820	1/4	20	19	66	6.3	5	11.35	11.35	11.35	34.07
3018	5/16	18	22	72	8	6.3	11.88	11.88	11.88	35.65
3216	3/8	16	24	80	10	8	16.27	16.27	16.27	48.80
3414	7/16	14	25	85	8	6.3	21.66	21.66	21.66	64.97
3612	1/2	12	29	89	9	7.1	24.24	24.24	24.24	72.74
3812	9/16	12	30	95	11.2	9	35.16	35.16	35.16	105.50
4011	5/8	11	32	102	12.5	10	37.02	37.02	37.02	111.03
4211	11/16	11	37	112	14	11.2	99.04	99.04	99.04	297.07
4410	3/4	10	37	112	14	11.2	48.13	48.13	48.13	144.39
4809	7/8	9	38	118	16	12.5	72.21	72.21	72.21	216.59
5208	1"	8	45	130	18	14	87.05	87.05	87.05	261.15
5407	1.1/8	7	48	138	20	16	142.56	142.56	142.56	427.65
5607	1.1/4	7	51	151	22.4	18	157.95	157.95	157.95	473.84
5806	1.3/8	6	57	162	25	20	207.42	207.42	207.42	622.25
6006	1.1/2	6	60	170	28	22.4	235.86	235.86	235.86	707.57
6205	1.5/8	5	60	170	28	22.4	304.30	304.30	304.30	912.90
6405	1.3/4	5	67	187	31.5	25	332.87	332.87	332.87	998.64
6604	1.7/8	4.5	67	187	31.5	25	466.54	466.54	466.54	1400.69
6804	2"	4.5	70	200	35.5	28	480.65	480.65	480.65	1441.95

CAPITAL

CUTTING TOOLS



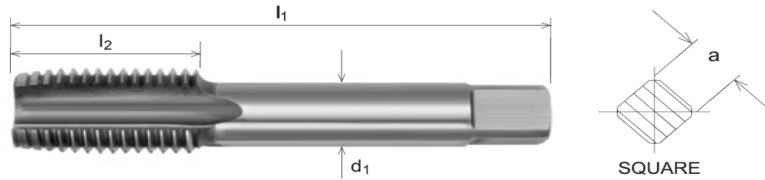
TAPS - BSW LEFT HAND

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T314 -	T315 -	T316 -	T313 -
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2440	1/8	40	11	48	3.15	2.5	80.45	80.45	80.45	239.94
2532	5/32	32	13	53	4	3.15	80.45	80.45	80.45	239.94
2624	3/16	24	16	58	5	4	80.45	80.45	80.45	239.94
2724	7/32	24	18	64	6	4	60.94	60.94	60.94	182.80
2820	1/4	20	19	66	6.3	5	29.46	29.46	29.46	88.36
3018	5/16	18	22	72	8	6.3	32.68	32.68	32.68	98.05
3216	3/8	16	24	80	10	8	36.58	36.58	36.58	109.73
3414	7/16	14	25	85	8	6.3	42.17	42.17	42.17	126.50
3612	1/2	12	29	89	9	7.1	69.09	69.09	69.09	207.30
3812	9/16	12	30	95	11.2	9	106.76	106.76	106.76	320.30
4011	5/8	11	32	102	12.5	10	101.22	101.22	101.22	303.64
4410	3/4	10	37	112	14	11.2	108.42	108.42	108.42	325.26
4809	7/8	9	38	118	16	12.5	151.61	151.61	151.61	454.84
5208	1"	8	45	130	18	14	215.26	215.26	215.26	645.75
5407	1.1/8	7	48	138	20	16	238.19	238.19	238.19	714.52
5607	1.1/4	7	51	151	22.4	18	263.89	263.89	263.89	791.69
5806	1.3/8	6	57	162	25	20	346.56	346.56	346.56	1039.72
6006	1.1/2	6	60	170	28	22.4	365.62	365.62	365.62	1096.84
6205	1.5/8	5	60	170	28	22.4	395.99	395.99	395.99	1187.98
6405	1.3/4	5	67	187	31.5	25	443.68	443.68	443.68	1331.06
6604	1.7/8	4.5	67	187	31.5	25	512.25	512.25	512.25	1536.73
6804	2"	4.5	70	200	35.5	28	522.73	522.73	522.73	1568.18

CAPITAL

CUTTING TOOLS



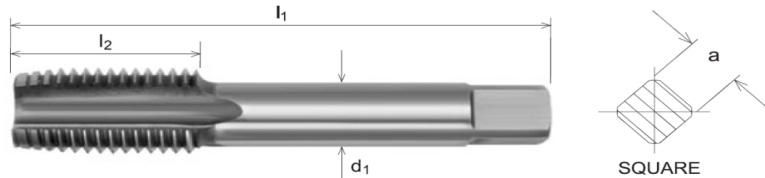
TAPS - BSF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T324 -	T325 -	T326 -	T323 -
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2632	3/16	32	16	58	5	4	12.24	12.24	12.24	36.73
2728	7/32	28	18	64	6	4	19.63	19.63	19.63	58.92
2826	1/4	26	19	66	6.3	5	14.05	14.05	14.05	42.17
2926	9/32	26	20	68	6.3	5	35.68	35.68	35.68	107.02
3022	5/16	22	22	72	8	6.3	15.22	15.22	15.22	45.65
3220	3/8	20	24	80	10	8	16.64	16.64	16.64	49.90
3418	7/16	18	25	85	8	6.3	25.53	25.53	25.53	76.60
3616	1/2	16	29	89	9	7.1	31.50	31.50	31.50	94.50
3816	9/16	16	30	95	11.2	9	40.76	40.76	40.76	122.26
4014	5/8	14	32	102	12.5	10	40.76	40.76	40.76	122.26
4214	11/16	14	34	107	12.5	10	62.37	62.37	62.37	187.10
4412	3/4	12	37	112	14	11.2	62.93	62.93	62.93	188.79
4612	13/16	12	38	118	16	12.5	83.36	83.36	83.36	250.07
4811	7/8	11	42	124	18	14	85.10	85.10	85.10	255.28
5210	1"	10	45	130	18	14	111.22	111.22	111.22	333.63
5409	1.1/8	9	48	138	20	16	155.90	155.90	155.90	467.69
5609	1.1/4	9	51	151	22.4	18	179.27	179.27	179.27	537.82
5808	1.3/8	8	57	162	25	20	225.90	225.90	225.90	677.69
6008	1.1/2	8	60	170	28	22.4	237.76	237.76	237.76	713.27
6208	1.5/8	8	60	170	28	22.4	304.30	304.30	304.30	912.90
6407	1.3/4	7	67	187	31.5	25	336.19	336.19	336.19	1008.60
6807	2"	7	70	200	35.5	28	480.65	480.65	480.65	1441.95

CAPITAL

CUTTING TOOLS



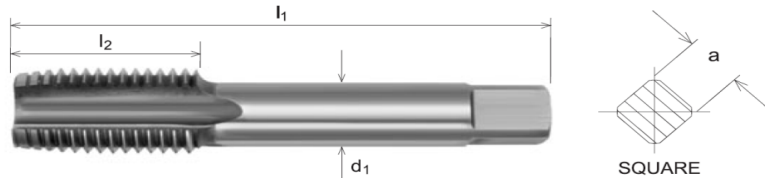
TAPS - BSF LEFT HAND

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T334 -	T335 -	T336 -	T333 -
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2632	3/16	26	16	58	5	4	41.89	41.89	41.89	125.67
2826	1/4	26	19	66	6.3	5	42.22	42.22	42.22	126.65
3022	5/16	22	22	72	8	6.3	46.72	46.72	46.72	140.16
3220	3/8	20	24	80	10	8	57.91	57.91	57.91	173.72
3418	7/16	18	25	85	8	6.3	61.78	61.78	61.78	185.31
3616	1/2	16	29	89	9	7.1	93.53	93.53	93.53	280.57
3816	9/16	16	30	95	11.2	9	106.76	106.76	106.76	320.30
4014	5/8	14	32	102	12.5	10	104.57	104.57	104.57	313.71
4214	11/16	14	34	107	12.5	10	137.10	137.10	137.10	411.32
4412	3/4	12	37	112	14	11.2	146.77	146.77	146.77	440.32
4612	13/16	12	38	118	16	12.5	195.29	195.29	195.29	585.86
4811	7/8	11	42	124	18	14	195.70	195.70	195.70	587.11
5210	1"	10	45	130	18	14	215.79	215.79	215.79	647.39
5409	1.1/8	9	48	138	20	16	251.51	251.51	251.51	754.52
5609	1.1/4	9	51	151	22.4	18	274.22	274.22	274.22	822.64
5808	1.3/8	8	57	162	25	20	348.92	348.92	348.92	1046.74
6008	1.1/2	8	60	170	28	22.4	368.57	368.57	368.57	1105.70
6208	1.5/8	8	60	170	28	22.4	321.82	321.82	321.82	965.44
6407	1.3/4	7	67	187	31.5	25	374.19	374.19	374.19	1122.57
6807	2"	7	70	200	35.5	28	567.46	567.46	567.46	1702.39

CAPITAL

CUTTING TOOLS



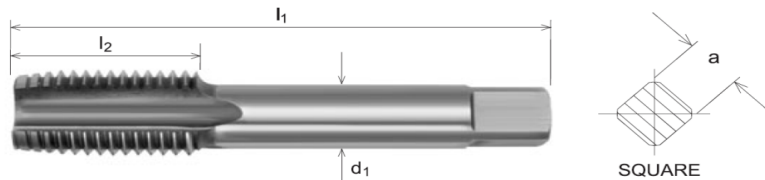
TAPS - BSB BRASS

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T344 -	T345 -	T346 -	T343 -
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2626	3/16	26	16	58	5	4	19.76	19.76	19.76	59.28
2826	1/4	26	19	66	6.3	5	14.05	14.05	14.05	42.17
2926	9/32	26	19	66	6.3	5	21.99	21.99	21.99	65.98
3026	5/16	26	22	72	8	6.3	25.90	25.90	25.90	77.70
3226	3/8	26	24	80	10	8	25.90	25.90	25.90	77.70
3326	13/32	26	24	80	10	8	42.60	42.60	42.60	127.79
3426	7/16	26	25	85	8	6.3	38.81	38.81	38.81	116.43
3626	1/2	26	29	89	9	7.1	46.28	46.28	46.28	138.85
3826	9/16	26	30	95	11.2	9	50.73	50.73	50.73	152.17
3926	19/32	26	30	95	11.2	9	50.73	50.73	50.73	152.17
4026	5/8	26	32	102	12.5	10	50.73	50.73	50.73	152.17
4226	11/16	26	34	107	12.5	10	105.95	105.95	105.95	317.89
4426	3/4	26	37	112	14	11.2	105.94	105.94	105.94	317.85
4626	13/16	26	38	118	16	12.5	130.29	130.29	130.29	390.86
4826	7/8	26	42	124	18	14	130.29	130.29	130.29	390.86
5026	15/16	26	45	130	18	14	139.69	139.69	139.69	419.04
5226	1"	26	45	130	18	14	139.69	139.69	139.69	419.04
5326	1.1/16	26	45	130	18	14	211.66	211.66	211.66	634.99
5426	1.1/8	26	48	138	20	16	211.67	211.67	211.67	634.98
5526	1.3/16	26	48	138	20	16	233.36	233.36	233.36	700.08
5626	1.1/4	26	51	151	22.4	18	260.54	260.54	260.54	781.60
5826	1.3/8	26	57	162	25	20	284.82	284.82	284.82	854.46
6026	1.1/2	26	60	170	28	22.4	313.60	313.60	313.60	940.79

CAPITAL

CUTTING TOOLS

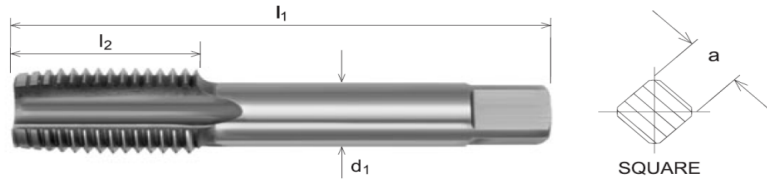


TAPS - BSB BRASS **LEFT HAND** HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T354 -	T355 -	T356 -	T353 -
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2826	1/4	26	19	66	6.3	5	42.22	42.22	42.22	126.65
2926	9/32	26	19	66	6.3	5	44.48	44.48	44.48	132.08
3026	5/16	26	22	72	8	6.3	46.72	46.72	46.72	140.16
3226	3/8	26	24	80	10	8	57.91	57.91	57.91	173.72
3426	7/16	26	25	85	8	6.3	61.78	61.78	61.78	185.31
3626	1/2	26	29	89	9	7.1	93.53	93.53	93.53	280.57
3826	9/16	26	30	95	11.2	9	106.76	106.76	106.76	320.30
4026	5/8	26	32	102	12.5	10	110.26	110.26	110.26	330.79
4426	3/4	26	37	112	14	11.2	146.77	146.77	146.77	440.32
4826	7/8	26	42	124	18	14	195.70	195.70	195.70	587.11
5226	1"	26	45	130	18	14	215.79	215.79	215.79	647.39

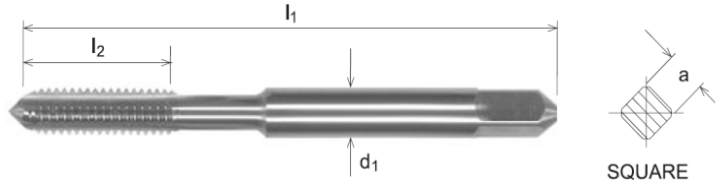
CAPITAL

CUTTING TOOLS



TAPS - BS ELECTRICAL CONDUIT HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T364-	T365-	T366-	T363-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
3216	3/8	16	24	80	10	8	73.25	73.25	73.25	219.76
3618	1/2	18	29	89	9	7.1	77.32	77.32	77.32	231.94
4018	5/8	18	32	102	12.5	10	126.56	126.56	126.56	379.70
4216	11/16	16	34	107	12.5	10	175.43	175.43	175.43	526.29
4416	3/4	16	37	112	14	11.2	205.83	205.83	205.83	617.46
4816	7/8	16	42	124	18	14	218.17	218.17	218.17	654.52
5216	1"	16	45	130	18	14	226.60	226.60	226.60	679.82
5616	1.1/4	16	51	151	22.4	18	240.90	240.90	240.90	722.69
6014	1.1/2	14	60	170	28	22.4	332.30	332.30	332.30	996.89
6814	2"	14	70	200	35.5	28	418.94	418.94	418.94	1256.81
7214	2.1/2	14	70	200	35.5	28	676.00	676.00	676.00	2028.01



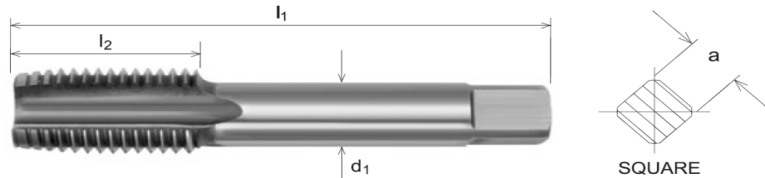
TAPS - BA

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T504-	T505-	T506-	T503-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
0025	0	25.38	19	66	6.3	5	12.53	12.53	12.53	37.59
0128	1	28.25	17	62	5.6	4.5	13.15	13.15	13.15	39.45
0231	2	31.36	16	58	5	4	11.65	11.65	11.65	34.98
0334	3	34.84	13	53	4.5	3.55	12.99	12.99	12.99	38.96
0438	4	38.46	13	50	3.55	2.8	11.65	11.65	11.65	34.98
0543	5	43.10	11	48	3.15	2.5	12.12	12.12	12.12	36.35
0647	6	47.85	9.5	44.5	2.8	2.24	13.15	13.15	13.15	39.45
0752	7	52.91	9.5	44.5	2.8	2.24	20.03	20.03	20.03	60.07
0859	8	59.17	9.5	44.5	2.8	2.24	19.27	19.27	19.27	57.78
0964	9	64.94	8	41	2.5	2	35.16	35.16	35.16	105.50
1072	10	72.46	8	41	2.5	2	37.02	37.02	37.02	111.03
1181	11	81.97	7	40	2.5	2	46.37	46.37	46.37	139.11
1290	12	90.91	7	40	2.5	2	57.76	57.76	57.76	173.28

CAPITAL

CUTTING TOOLS



TAPS - BS CYCLE 60°

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T524-	T525-	T526-	T523-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2632	3/16	32	16	58	5	4	64.83	64.83	64.83	194.51
2726	7/32	26	18	64	6	4	64.83	64.83	64.83	194.51
2826	1/4	26	19	66	6.3	5	64.83	64.83	64.83	194.51
2926	9/32	26	20	68	6.3	5	64.83	64.83	64.83	194.51
3026	5/16	26	22	72	8	6.3	68.56	68.56	68.56	205.66
3226	3/8	26	24	80	10	8	68.56	68.56	68.56	205.66
3426	7/16	26	25	85	8	6.3	74.26	74.26	74.26	222.80
3626	1/2	26	29	89	9	7.1	83.80	83.80	83.80	251.37
3826	9/16	26	30	95	11.2	9	93.30	93.30	93.30	279.92
4026	5/8	26	32	102	12.5	10	99.04	99.04	99.04	297.07
4226	11/16	26	34	107	12.5	10	108.54	108.54	108.54	325.62
4426	3/4	26	37	112	14	11.2	120.93	120.93	120.93	362.79
4826	7/8	26	42	124	18	14	141.88	141.88	141.88	425.63

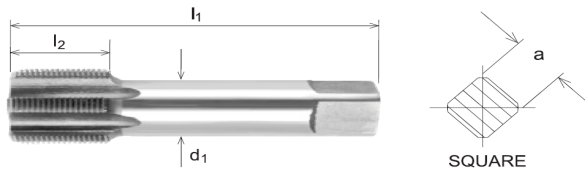
TAPS - PG

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T544-	T545-	T546-	T543-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
0720	PG-7	20	29	89	9	7.1	43.33	43.33	43.33	129.98
0918	PG-9	18	32	102	12.5	10	48.00	48.00	48.00	143.96
1118	PG-11	18	37	112	14	11.2	56.67	56.67	56.67	169.98
1318	PG-13.5	18	37	112	14	11.2	73.80	73.80	73.80	221.38
1618	PG-16	18	38	118	16	12.5	91.51	91.51	91.51	274.49
2116	PG-21	16	48	138	20	16	107.61	107.61	107.61	322.79
2916	PG-29	16	60	170	28	22.4	249.55	249.55	249.55	748.63
3616	PG-36	16	67	187	31.5	25	384.66	384.66	384.66	1153.97
4216	PG-42	16	70	200	35.5	28	523.66	523.66	523.66	1570.99
4816	PG-48	16	70	200	40	31.5	590.32	590.32	590.32	1770.94

CAPITAL

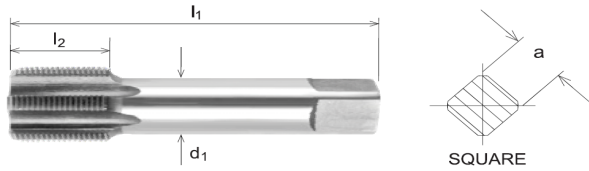
CUTTING TOOLS



PIPE TAPS - BSPF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T404-	T405-	T406-	T403-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2228	1/16	28	11	51	6	5	63.89	63.89	63.89	191.66
2428	1/8	28	15	59	8	6.3	18.80	18.80	18.80	56.39
2819	1/4	19	19	67	10	8	26.57	26.57	26.57	79.71
3219	3/8	19	21	75	12.5	10	38.96	38.96	38.96	116.89
3614	1/2	14	26	87	16	12.5	54.86	54.86	54.86	164.58
4014	5/8	14	26	91	18	14	72.53	72.53	72.53	217.58
4414	3/4	14	28	96	20	16	77.90	77.90	77.90	233.69
4814	7/8	14	29	102	22.4	18	111.51	111.51	111.51	334.52
5211	1"	11	33	109	25	20	129.25	129.25	129.25	387.76
5611	1.1/4	11	36	119	31.5	25	229.84	229.84	229.84	689.53
6011	1.1/2	11	37	125	35.5	28	258.25	258.25	258.25	774.76
6411	1.3/4	11	39	132	35.5	28	543.43	543.43	543.43	1630.28
6811	2"	11	41	140	40	31.5	437.98	437.98	437.98	1313.93
7211	2.1/4	11	42	142	40	31.5	665.57	665.57	665.57	1996.69
7611	2.1/2	11	45	153	45	35.5	776.50	776.50	776.50	2329.48
8411	3"	11	48	164	50	40	915.14	915.14	915.14	2745.44
9411	4"	11	55	188	60	48.5	1360.69	1360.69	1360.69	4082.10

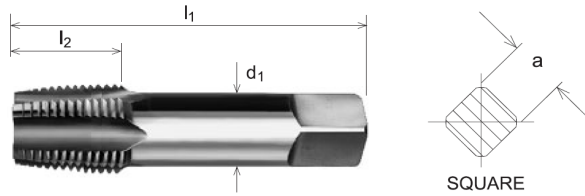


PIPE TAPS - "G" BSP
HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T424-	T425-	T426-	T423-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2428	1/8	28	13	53	6	4	18.80	18.80	18.80	56.39
2819	1/4	19	19	67	10	8	26.57	26.57	26.57	79.71
3219	3/8	19	21	75	12.5	10	38.96	38.96	38.96	116.89
3614	1/2	14	26	87	16	12.5	54.86	54.86	54.86	164.58
4014	5/8	14	26	91	18	14	72.53	72.53	72.53	217.58
4414	3/4	14	28	96	20	16	77.90	77.90	77.90	233.69
4814	7/8	14	29	102	22.4	18	111.51	111.51	111.51	334.52
5211	1"	11	33	109	25	20	129.25	129.25	129.25	387.76
5611	1.1/4	11	36	119	31.5	25	229.84	229.84	229.84	689.53
6011	1.1/2	11	37	125	35.5	28	258.25	258.25	258.25	774.76
6411	1.3/4	11	39	132	35.5	28	543.43	543.43	543.43	1630.28
6811	2"	11	41	140	40	31.5	437.98	437.98	437.98	1313.93

CAPITAL

CUTTING TOOLS



PIPE TAPS - BSPT

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T464-	T465-	T466-	T463-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2228	1/16	28	13	53	6	4	67.70	67.70	67.70	203.11
2428	1/8	28	15	59	8	6.3	42.48	42.48	42.48	127.45
2819	1/4	19	19	67	10	8	45.97	45.97	45.97	137.91
3219	3/8	19	21	75	12.5	10	70.82	70.82	70.82	212.45
3614	1/2	14	26	87	16	12.5	79.71	79.71	79.71	239.10
4014	5/8	14	26	91	18	14	170.44	170.44	170.44	511.29
4414	3/4	14	28	96	20	16	86.94	86.94	86.94	260.83
4814	7/8	14	29	102	22.4	18	181.79	181.79	181.79	545.37
5211	1"	11	33	109	25	20	141.65	141.65	141.65	424.95
5411	1.1/8	11	35	113	27	22.5	202.53	202.53	202.53	607.58
5611	1.1/4	11	36	119	31.5	25	228.38	228.38	228.38	685.14
6011	1.1/2	11	37	125	35.5	28	301.52	301.52	301.52	904.57
6811	2"	11	41	140	40	31.5	491.30	491.30	491.30	1473.88
7611	2.1/2	11	45	153	45	35.5	804.21	804.21	804.21	2412.64
8411	3"	11	48	164	50	40	1273.80	1273.80	1273.80	3821.40
8611	3.1/2	11	51	176	55	45	1307.56	1307.56	1307.56	3922.65
9411	4"	11	55	188	60	48.5	1401.83	1401.83	1401.83	4205.51

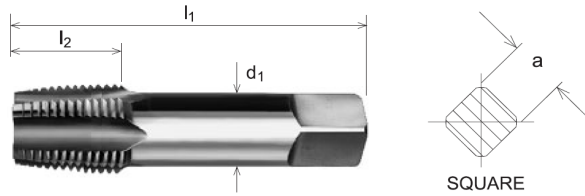
PIPE TAPS - "RC" BSPT

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T444-	T445-	T446-	T443-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2428	1/8	28	15	59	8	6.3	42.48	42.48	42.48	127.45
2819	1/4	19	19	67	10	8	45.97	45.97	45.97	137.91
3219	3/8	19	21	75	12.5	10	70.82	70.82	70.82	212.45
3614	1/2	14	26	87	16	12.5	79.71	79.71	79.71	239.10
4414	3/4	14	28	96	20	16	86.94	86.94	86.94	260.83
5211	1"	11	33	109	25	20	141.65	141.65	141.65	424.95
5611	1.1/4	11	36	119	31.5	25	228.38	228.38	228.38	685.14

CAPITAL

CUTTING TOOLS



PIPE TAPS - NPT

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T618	T619	T620-	T617-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2227	1/16	27	13	56	8	6.3	38.93	38.93	38.93	116.82
2427	1/8	27	15	59	8	6.3	33.12	33.12	33.12	99.38
2818	1/4	18	19	67	10	8	46.86	46.86	46.86	140.57
3218	3/8	18	21	75	12.5	10	70.82	70.82	70.82	212.45
3614	1/2	14	26	87	16	12.5	81.36	81.36	81.36	244.09
4014	5/8	14	26	91	18	14	88.29	88.29	88.29	264.87
4414	3/4	14	28	96	20	16	100.92	100.92	100.92	302.76
4811	7/8	11.5	29	102	22.4	18	121.42	121.42	121.42	364.27
5211	1"	11.5	33	109	25	20	145.86	145.86	145.86	437.56
5611	1.1/4	11.5	36	119	31.5	25	238.80	238.80	238.80	716.39
6011	1.1/2	11.5	37	125	35.5	28	374.47	374.47	374.47	1123.39
6811	2"	11.5	41	140	40	31.5	595.85	595.85	595.85	1787.57
7608	2.1/2	8	45	153	45	35.5	811.61	811.61	811.61	2434.82
8408	3"	8	48	164	50	40	952.11	952.11	952.11	2856.34
8608	3.1/2	8	51	176	55	45	1266.42	1266.42	1266.42	3799.25
9408	4"	8	55	188	60	48.5	1384.75	1384.75	1384.75	4154.24

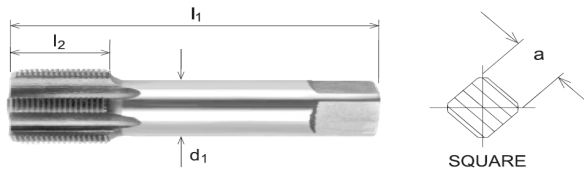
PIPE TAPS - NPTF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T624-	T625-	T626-	T623
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2227	1/16	27	13	56	8	6.3	44.24	44.24	44.24	132.74
2427	1/8	27	15	59	8	6.3	50.02	50.02	50.02	150.04
2818	1/4	18	19	67	10	8	67.17	67.17	67.17	201.52
3218	3/8	18	21	75	12.5	10	84.92	84.92	84.92	254.76
3614	1/2	14	26	87	16	12.5	97.33	97.33	97.33	292.00
4414	3/4	14	28	96	20	16	129.94	129.94	129.94	389.83
5211	1"	11.5	33	109	25	20	166.35	166.35	166.35	499.03
5611	1.1/4	11.5	36	119	31.5	25	254.87	254.87	254.87	764.64

CAPITAL

CUTTING TOOLS



PIPE TAPS - NPS

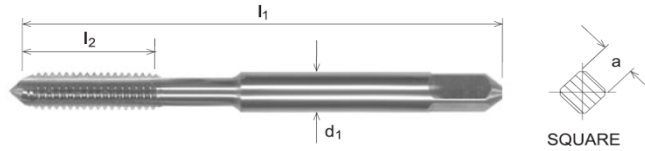
HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T644-	T645-	T646-	T643-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2227	1/16	27	13	52	6	4	63.89	63.89	63.89	191.66
2427	1/8	27	15	59	8	6.3	34.19	34.19	34.19	102.56
2818	1/4	18	19	67	10	8	55.57	55.57	55.57	166.70
3218	3/8	18	21	75	12.5	10	67.80	67.80	67.80	203.42
3614	1/2	14	26	87	16	12.5	103.69	103.69	103.69	311.05
4414	3/4	14	28	96	20	16	141.71	141.71	141.71	425.13
5211	1"	11.5	33	109	25	20	206.75	206.75	206.75	620.25
5611	1.1/4	11.5	36	119	31.5	25	232.01	232.01	232.01	696.03
6011	1.1/2	11.5	37	125	35.5	28	258.25	258.25	258.25	774.76
6811	2"	11.5	41	140	40	31.5	595.85	595.85	595.85	1787.54
7608	2.1/2	8	45	153	45	35.5	811.61	811.61	811.61	2434.84
8408	3"	8	48	164	50	40	942.89	942.89	942.89	2828.63

PIPE TAPS - NPSF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T664-	T665-	T666-	T663-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2227	1/16	27	15	59	8	6.3	63.89	63.89	63.89	191.66
2427	1/8	27	15	59	8	6.3	25.67	25.67	25.67	77.00
2818	1/4	18	19	67	10	8	42.48	42.48	42.48	127.41
3218	3/8	18	21	75	12.5	10	51.33	51.33	51.33	153.97
3614	1/2	14	26	87	16	12.5	77.93	77.93	77.93	233.78
4414	3/4	14	28	96	20	16	110.08	110.08	110.08	330.20
5211	1"	11.5	33	109	25	20	216.03	216.03	216.03	648.09
5611	1.1/4	11.5	36	119	31.5	25	235.82	235.82	235.82	707.45
6011	1.1/2	11.5	37	125	35.5	28	265.52	265.52	265.52	796.57
6811	2"	11.5	41	140	40	31.5	595.85	595.85	595.85	1787.54



COBALT - DIN 371 HSS

REINFORCED SHANK - METRIC COARSE

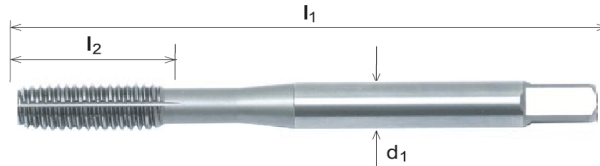
Code	Size	Pitch	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T704-	T705-	T706-	T703-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
0305	3.0	0.5	11	56	3.5	2.7	19.30	19.30	19.30	57.88
0402	4.0	0.7	13	63	4.5	3.4	16.85	16.85	16.85	50.54
0508	5.0	0.8	16	70	6	4.9	19.30	19.30	19.30	57.88
0610	6.0	1.0	19	80	6	4.9	19.30	19.30	19.30	57.88
0812	8.0	1.25	22	90	8	6.2	20.50	20.50	20.50	61.53
1015	10	1.5	24	100	10	8	26.64	26.64	26.64	79.92

COBALT - DIN 376 HSS

Code	Size	Pitch	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T714-	T715-	T716-	T713-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
0305	3.0	0.5	11	56	2.2	1.7	19.30	19.30	19.30	57.88
0402	4.0	0.7	13	63	2.8	2.1	16.85	16.85	16.85	50.54
0508	5.0	0.8	16	70	3.5	2.7	19.30	19.30	19.30	57.88
0610	6.0	1.0	19	80	4.5	3.4	19.30	19.30	19.30	57.88
0812	8.0	1.25	22	90	6	4.9	20.50	20.50	20.50	61.53
1015	10	1.5	24	100	7	5.5	26.64	26.64	26.64	79.92
1217	12	1.75	29	110	9	7	38.93	38.93	38.93	116.81
1420	14	2.0	30	110	11	9	47.62	47.62	47.62	142.82
1620	16	2.0	32	110	12	9	53.73	53.73	53.73	161.21
1825	18	2.5	34	125	14	11	83.28	83.28	83.28	249.84
2025	20	2.5	34	140	16	12	93.15	93.15	93.15	279.43

CAPITAL

CUTTING TOOLS



FLUTELESS TAPS - METRIC

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	\$ ea.
T107-0305	3.0	0.5	11	48	3.15	2.5	36.13
T107-0356	3.5	0.6	13	50	3.55	2.8	35.08
T107-0407	4.0	0.7	13	53	4	3.15	36.13
T107-0457	4.5	0.5	13	53	4	3.15	76.51
T107-0508	5.0	0.8	16	58	5	4	39.25
T107-0605	6.0	0.5	16	66	6.3	5	58.03
T107-0610	6.0	1.0	19	66	6.3	5	39.25
T107-0812	8.0	1.25	22	72	8	6.3	41.94
T107-1012	10	1.25	24	80	10	8	74.61
T107-1015	10	1.5	24	80	10	8	63.14
T107-1212	12	1.25	29	89	9	7.1	97.29
T107-1217	12	1.75	29	89	9	7.1	84.68
T107-1418	14	1.25	30	95	11.2	9	158.52
T107-1419	14	1.5	30	95	11.2	9	158.52
T107-1420	14	2.0	30	95	11.2	9	143.52
T107-1620	16	2.0	32	102	12.5	10	164.72
T107-1815	18	1.5	37	112	14	11.2	180.63
T107-2015	20	1.5	37	112	14	11.2	190.95

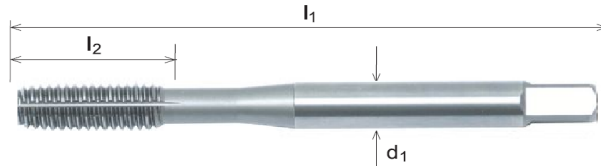
FLUTELESS TAPS - UNC

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T207-0440	4	40	11	48	3.15	2.5	45.67
T207-0540	5	40	11	48	3.15	2.5	45.67
T207-0632	6	32	13	50	3.55	2.8	36.12
T207-0832	8	32	13	53	4.5	3.55	36.12
T207-1024	10	24	16	58	5	4	36.12
T207-2820	1/4	20	19	66	6.3	5	38.20
T207-3018	5/16	18	22	72	8	6.3	41.94
T207-3216	3/8	16	24	80	10	8	52.04
T207-3414	7/16	14	25	85	8	6.3	62.67
T207-3613	1/2	13	29	89	9	7.1	62.67

CAPITAL

CUTTING TOOLS



FLUTELESS TAPS - UNF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T227-0448	4	48	11	48	3.15	2.5	45.67
T227-0544	5	44	11	48	3.15	2.5	45.67
T227-0640	6	40	13	50	3.55	2.8	37.15
T227-0836	8	36	13	53	4.5	3.55	37.15
T227-1032	10	32	16	58	5	4	37.15
T227-1228	12	28	17	62	5.6	4.5	38.20
T227-2828	1/4	28	19	66	6.3	5	38.20
T227-3024	5/16	24	22	72	8	6.3	42.02
T227-3224	3/8	24	24	80	10	8	52.04
T227-3420	7/16	20	25	85	8	6.3	62.67
T227-3620	1/2	20	29	89	9	7.1	62.67

FLUTELESS TAPS - BSW

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T307-2440	1/8	40	11	48	3.15	2.5	39.25
T307-2624	3/16	24	16	58	5	4	39.25
T307-2820	1/4	20	19	66	6.3	5	38.20
T307-3018	5/16	18	22	72	8	6.3	41.81
T307-3216	3/8	16	24	80	10	8	52.03
T307-3414	7/16	14	25	85	8	6.3	64.65
T307-3612	1/2	12	29	89	9	7.1	64.65

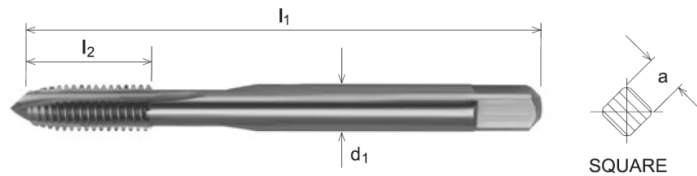
FLUTELESS TAPS - BSF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T327-2826	1/4	26	19	66	6.3	5	42.81
T327-3022	5/16	22	22	72	8	6.3	47.43
T327-3220	3/8	20	24	80	10	8	47.83
T327-3418	7/16	18	25	85	8	6.3	64.65
T327-3616	1/2	16	29	89	9	7.1	64.65

CAPITAL

CUTTING TOOLS



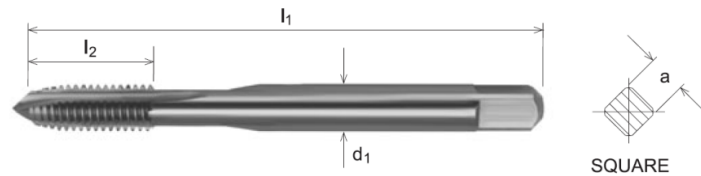
GUN NOSE TAPS - METRIC COARSE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	\$ ea.
T108-0254	2.5	0.45	11	48	3.15	2.5	35.64
T108-0305	3.0	0.5	11	48	3.15	2.5	13.72
T108-0356	3.5	0.6	13	50	3.55	2.8	13.72
T108-0402	4.0	0.7	13	53	4	3.15	11.45
T108-0457	4.5	0.75	13	53	4.5	3.55	13.25
T108-0508	5.0	0.8	16	58	5	4	10.89
T108-0610	6.0	1.0	19	66	6.3	5	13.15
T108-0710	7.0	1.0	19	66	7.1	5.6	18.72
T108-0812	8.0	1.25	22	72	8	6.3	14.16
T108-0912	9.0	1.25	22	72	9	7.1	17.34
T108-1015	10	1.5	24	80	10	8	18.80
T108-1115	11	1.5	25	85	8	6.3	28.74
T108-1217	12	1.75	29	89	9	7.1	31.18
T108-1420	14	2.0	30	95	11.2	9	40.38
T108-1620	16	2.0	32	102	12.5	10	50.08
T108-1825	18	2.5	37	112	14	11.2	68.19
T108-2025	20	2.5	37	112	14	11.2	86.35
T108-2225	22	2.5	38	118	16	12.5	92.68
T108-2430	24	3.0	45	130	18	14	112.46
T108-2730	27	3.0	45	135	20	16	127.19
T108-3035	30	3.5	48	138	20	16	189.95
T108-3335	33	3.5	51	151	22.4	18	349.63
T108-3640	36	4.0	57	162	25	20	367.05
T108-3940	39	4.0	60	170	28	22.4	377.04
T108-4245	42	4.5	60	170	28	22.4	394.18
T108-4545	45	4.5	67	187	31.5	25	407.52
T108-4850	48	5.0	67	187	31.5	25	430.36
T108-5250	52	5.0	70	200	35.5	28	474.16
T108-5655	56	5.5	70	200	35.5	28	672.43

CAPITAL

CUTTING TOOLS



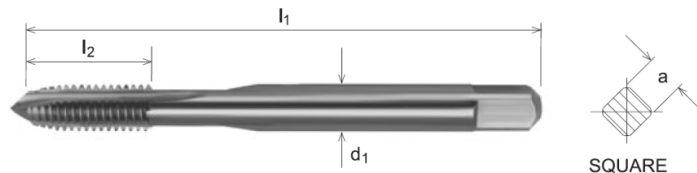
GUN NOSE TAPS - METRIC COARSE **LEFT HAND**

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	\$ ea.
T118-0402	4.0	0.7	13	53	4	3.15	50.72
T118-0508	5.0	0.8	16	58	5	4	53.02
T118-0610	6.0	1.0	19	66	6.3	5	55.33
T118-0812	8.0	1.25	22	72	8	6.3	59.94
T118-1015	10	1.5	24	80	10	8	69.15
T118-1217	12	1.75	29	89	9	7.1	76.07
T118-1420	14	2.0	30	95	11.2	9	85.29
T118-1620	16	2.0	32	102	12.5	10	101.44
T118-1825	18	2.5	37	112	14	11.2	138.32
T118-2025	20	2.5	37	112	14	11.2	165.98
T118-2225	22	2.5	38	118	16	12.5	177.51
T118-2430	24	3.0	45	130	18	14	191.33
T118-2730	27	3.0	45	135	20	16	219.00
T118-3035	30	3.5	48	138	20	16	248.97
T118-3335	33	3.5	51	151	22.4	18	281.24
T118-3640	36	4.0	57	162	25	20	308.91

CAPITAL

CUTTING TOOLS



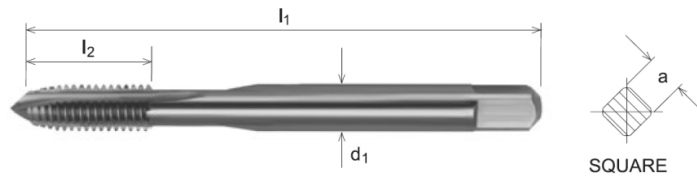
GUN NOSE TAPS - METRIC FINE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	\$ ea.
T128-0405	4.0	0.5	13	53	4	3.15	28.70
T128-0505	5.0	0.5	16	58	5	4	31.07
T128-0607	6.0	0.75	19	66	6.3	5	34.63
T128-0609	6.0	0.9	19	66	6.3	5	34.63
T128-0705	7.0	0.5	19	69	8	6.3	39.33
T128-0805	8.0	0.5	19	69	8	6.3	35.35
T128-0807	8.0	0.75	19	69	8	6.3	35.35
T128-0810	8.0	1.0	19	69	8	6.3	27.56
T128-0910	9.0	1.0	19	69	9	7.1	52.54
T128-1007	10	0.75	20	76	10	8	39.43
T128-1010	10	1.0	20	76	10	8	39.43
T128-1012	10	1.25	20	76	10	8	39.43
T128-1107	11	0.75	22	82	8	6.3	63.51
T128-1110	11	1.0	22	82	8	6.3	63.51
T128-1112	11	1.25	22	82	8	6.3	63.51
T128-1207	12	0.75	24	84	9	7.1	57.58
T128-1210	12	1.0	24	84	9	7.1	57.58
T128-1212	12	1.25	24	84	9	7.1	57.58
T128-1215	12	1.5	24	84	9	7.1	57.58
T128-1220	12	2.0	24	84	9	7.1	57.58
T128-1310	13	1.0	29	89	9	7.1	66.41
T128-1315	13	1.5	29	89	9	7.1	66.41
T128-1407	14	0.7	25	90	11.2	9	92.53
T128-1410	14	1.0	25	90	11.2	9	92.53
T128-1412	14	1.25	25	90	11.2	9	68.22
T128-1415	14	1.5	25	90	11.2	9	68.22
T128-1510	15	1.0	30	95	11.2	9	71.90
T128-1515	15	1.5	30	95	11.2	9	71.90
T128-1607	16	0.75	32	102	12.5	10	68.22
T128-1610	16	1.0	32	102	12.5	10	68.22
T128-1612	16	1.25	32	102	12.5	10	68.22
T128-1615	16	1.5	32	102	12.5	10	68.22

CAPITAL

CUTTING TOOLS



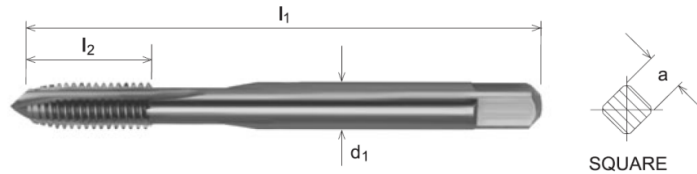
GUN NOSE TAPS - METRIC FINE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	\$ ea.
T128-1617	16	1.75	32	102	12.5	10	68.22
T128-1710	17	1.0	37	112	14	11.2	89.28
T128-1715	17	1.5	37	112	14	11.2	89.28
T128-1807	18	0.75	37	112	14	11.2	106.35
T128-1810	18	1.0	37	112	14	11.2	106.35
T128-1812	18	1.25	37	112	14	11.2	106.35
T128-1815	18	1.5	37	112	14	11.2	106.35
T128-1820	18	2.0	37	112	14	11.2	106.35
T128-2010	20	1.0	37	112	14	11.2	133.76
T128-2012	20	1.25	37	112	14	11.2	133.76
T128-2015	20	1.5	37	112	14	11.2	133.76
T128-2020	20	2.0	37	112	14	11.2	133.76
T128-2115	21	1.5	38	118	16	12.5	133.75
T128-2210	22	1.0	38	118	16	12.5	137.85
T128-2212	22	1.25	38	118	16	12.5	137.85
T128-2215	22	1.5	38	118	16	12.5	137.85
T128-2220	22	2.0	38	118	16	12.5	137.85
T128-2315	23	1.5	45	130	18	14	143.42
T128-2410	24	1.0	45	130	18	14	155.08
T128-2412	24	1.25	45	130	18	14	155.08
T128-2415	24	1.5	45	130	18	14	155.08
T128-2420	24	2.0	45	130	18	14	155.08
T128-2510	25	1.0	45	130	18	14	184.75
T128-2515	25	1.5	45	130	18	14	184.75
T128-2520	25	2.0	45	130	18	14	184.75
T128-2610	26	1.0	48	138	20	16	190.71
T128-2615	26	1.5	48	138	20	16	190.71
T128-2710	27	1.0	48	138	20	16	196.84
T128-2715	27	1.5	48	138	20	16	196.84
T128-2720	27	2.0	48	138	20	16	196.84
T128-2810	28	1.0	48	138	20	16	219.56
T128-2815	28	1.5	48	138	20	16	219.56

CAPITAL

CUTTING TOOLS



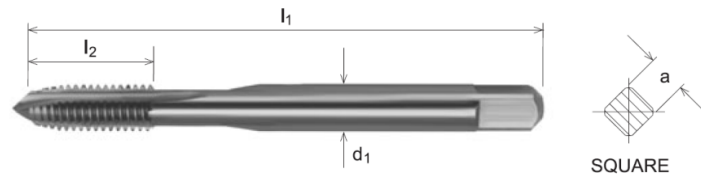
GUN NOSE TAPS - METRIC FINE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	\$ ea.
T128-2820	28	2.0	48	138	20	16	219.56
T128-3010	30	1.0	48	138	20	16	212.46
T128-3015	30	1.5	48	138	20	16	212.46
T128-3020	30	2.0	48	138	20	16	212.47
T128-3025	30	2.5	48	138	20	16	212.47
T128-3030	30	3.0	48	138	20	16	212.47
T128-3210	32	1.0	51	151	22.4	18	217.95
T128-3215	32	1.5	51	151	22.4	18	217.95
T128-3220	32	2.0	51	151	22.4	18	217.95
T128-3310	33	1.0	51	151	22.4	18	236.17
T128-3315	33	1.5	51	151	22.4	18	236.17
T128-3320	33	2.0	51	151	22.4	18	236.17
T128-3330	33	3.0	51	151	22.4	18	236.17
T128-3410	34	1.0	57	162	25	20	241.58
T128-3415	34	1.5	57	162	25	20	241.58
T128-3515	35	1.5	57	162	25	20	244.19
T128-3610	36	1.0	57	162	25	20	246.96
T128-3615	36	1.5	57	162	25	20	246.96
T128-3620	36	2.0	57	162	25	20	246.96
T128-3630	36	3.0	57	162	25	20	246.96
T128-3810	38	1.0	60	170	28	22.4	287.11
T128-3815	38	1.5	60	170	28	22.4	287.11
T128-3820	38	2.0	60	170	28	22.4	287.11
T128-3910	39	1.0	60	170	28	22.4	287.11
T128-3915	39	1.5	60	170	28	22.4	287.11
T128-3920	39	2.0	60	170	28	22.4	287.11
T128-3930	39	3.0	60	170	28	22.4	287.11
T128-4010	40	1.0	60	170	28	22.4	311.29
T128-4015	40	1.5	60	170	28	22.4	311.29
T128-4020	40	2.0	60	170	28	22.4	311.29
T128-4210	42	1.0	60	170	28	22.4	321.77
T128-4215	42	1.5	60	170	28	22.4	321.77

CAPITAL

CUTTING TOOLS

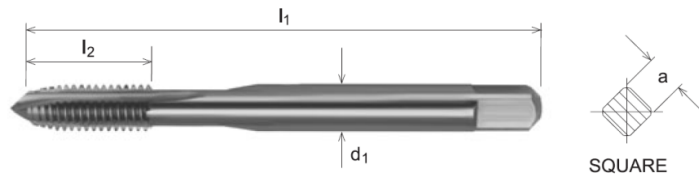


GUN NOSE TAPS - METRIC FINE HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	\$ ea.
T128-4220	42	2.0	60	170	28	22.4	321.77
T128-4230	42	3.0	60	170	28	22.4	321.77
T128-4510	45	1.0	67	187	31.5	25	331.11
T128-4515	45	1.5	67	187	31.5	25	331.11
T128-4520	45	2.0	67	187	31.5	25	331.11
T128-4530	45	3.0	67	187	31.5	25	331.11
T128-4810	48	1.0	67	187	31.5	25	339.98
T128-4815	48	1.5	67	187	31.5	25	339.98
T128-4820	48	2.0	67	187	31.5	25	339.98
T128-4830	48	3.0	67	187	31.5	25	339.98
T128-5015	50	1.5	70	200	35.5	28	358.04

CAPITAL

CUTTING TOOLS



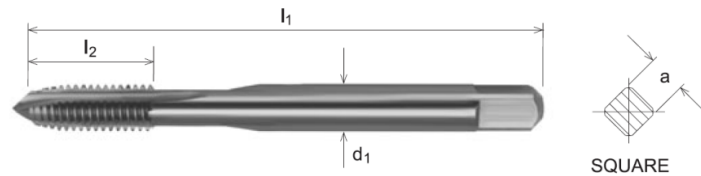
GUN NOSE TAPS - METRIC OVERSIZE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	\$ ea.
TG146-0610.6	6	1.0 + .4	19	66	6.3	5	41.03
TG146-0812.4	8	1.25 + .4	22	72	8	6.3	44.33
TG146-1015.4	10	1.5 + .4	24	80	10	8	46.67
TG146-1217.4	12	1.75 + .4	29	89	9	7.1	56.67
TG146-1420.4	14	2.0 + .4	30	95	11.2	9	64.03
TG146-1620.4	16	2.0 + .4	32	102	12.5	10	70.08
TG146-1825.4	18	2.5 + .4	37	112	14	11.2	67.47
TG146-2025.4	20	2.5 + .4	37	112	14	11.2	99.98
TG146-2430.4	24	3.0 + .4	45	130	18	14	138.44
TG146-2430.45	24	3.0 + .45	45	130	18	14	138.44
TG146-3035.4	30	3.5 + .4	48	138	20	16	230.04
TG146-3640.4	36	4.0 + .4	57	162	25	20	410.25
TG146-3640.5	36	4.0 + .5	57	162	25	20	410.25

CAPITAL

CUTTING TOOLS



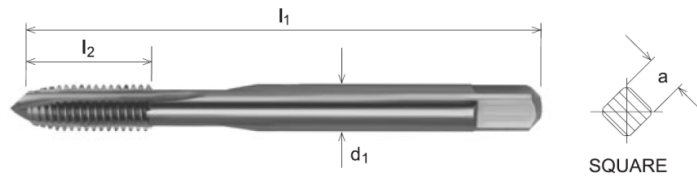
GUN NOSE TAPS - METRIC **LEFT HAND**

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	\$ ea.
T138-0607	6.0	0.75	19	66	6.3	5	73.78
T138-0810	8.0	1.0	19	69	8	6.3	76.14
T138-1012	10	1.25	20	76	10	8	87.60
T138-1110	11	1.0	22	82	8	6.3	126.80
T138-1212	12	1.25	24	84	9	7.1	110.65
T138-1215	12	1.5	24	84	9	7.1	119.88
T138-1415	14	1.5	25	90	11.2	9	124.47
T138-2015	20	1.5	37	112	14	11.2	165.97
T138-2215	22	1.5	38	118	16	12.5	193.63
T138-3020	30	2.0	48	138	20	16	352.69
T138-3030	30	3.0	48	138	20	16	352.69

CAPITAL

CUTTING TOOLS



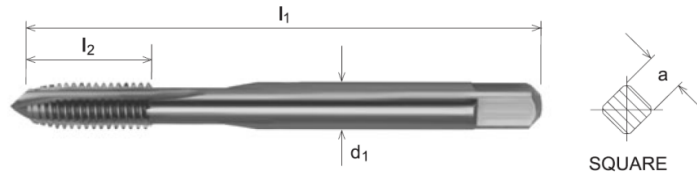
GUN NOSE TAPS - UNC

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T208-0164	1	64	8	45	2.92	2.3	44.07
T208-0256	2	56	9	46	2.92	2.3	34.18
T208-0348	3	48	9	46	2.92	2.4	30.58
T208-0440	4	40	11	48	3.15	2.5	20.58
T208-0540	5	40	11	48	3.15	2.5	16.47
T208-0632	6	32	13	50	3.55	2.8	13.37
T208-0832	8	32	13	53	4.5	3.55	14.84
T208-1024	10	24	16	58	5	4	13.52
T208-1224	12	24	17	62	5.6	4.5	15.65
T208-2820	1/4	20	19	66	6.3	5	13.02
T208-3018	5/16	18	22	72	8	6.3	14.02
T208-3216	3/8	16	24	80	10	8	17.08
T208-3414	7/16	14	25	85	8	6.3	27.82
T208-3613	1/2	13	29	89	9	7.1	30.84
T208-3812	9/16	12	30	95	11.2	9	48.89
T208-4011	5/8	11	32	102	12.5	10	48.89
T208-4211	11/16	11	37	112	14	11.2	61.90
T208-4410	3/4	10	37	112	14	11.2	68.94
T208-4809	7/8	9	38	118	16	12.5	90.40
T208-5208	1"	8	45	130	18	14	111.43
T208-5407	1.1/8	7	48	138	20	16	183.79
T208-5607	1.1/4	7	51	151	22.4	18	211.83
T208-5806	1.3/8	6	57	162	25	20	285.46
T208-6006	1.1/2	6	60	170	28	22.4	321.65
T208-6404	1.3/4	5	67	187	31.5	25	399.88
T208-6804	2"	4.1/2	70	200	35.5	28	488.45

CAPITAL

CUTTING TOOLS



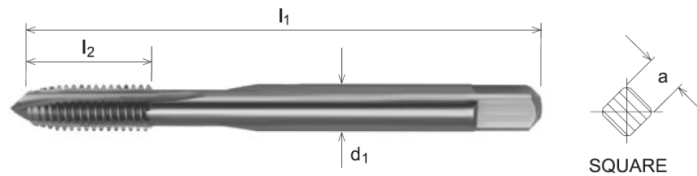
GUN NOSE TAPS - UNF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T228-0080	0	80	9	46	2.92	2.4	63.89
T228-0172	1	72	9	46	2.92	2.4	63.89
T228-0264	2	64	9	46	2.92	2.4	63.89
T228-0356	3	56	9	46	2.92	2.4	17.20
T228-0448	4	48	11	48	3.15	2.5	16.85
T228-0544	5	44	11	48	3.15	2.5	16.85
T228-0640	6	40	13	50	3.55	2.8	16.47
T228-0836	8	36	13	53	4.5	3.55	16.47
T228-1032	10	32	16	58	5	4	13.67
T228-1228	12	28	17	62	5.6	4.5	15.86
T228-2828	1/4	28	19	66	6.3	5	13.19
T228-3024	5/16	24	22	72	8	6.3	14.20
T228-3224	3/8	24	24	80	10	8	19.16
T228-3420	7/16	20	25	85	8	6.3	27.82
T228-3620	1/2	20	29	89	9	7.1	30.84
T228-3818	9/16	18	30	95	11.2	9	53.53
T228-4018	5/8	18	32	102	12.5	10	48.89
T228-4416	3/4	16	37	112	14	11.2	69.08
T228-4814	7/8	14	38	118	16	12.5	92.30
T228-5212	1"	12	45	130	18	14	111.99
T228-5214	1" UNS	14	45	130	18	14	133.80
T228-5312	1.1/16	12	48	138	20	16	176.16
T228-5412	1.1/8	12	48	138	20	16	184.51
T228-5512	1.3/16	12	48	138	20	16	192.54
T228-5612	1.1/4	12	51	151	22.4	18	198.85
T228-5712	1.5/16	12	51	151	22.4	18	219.37
T228-5812	1.3/8	12	57	162	25	20	240.60
T228-5912	1.7/16	12	57	162	25	20	245.48
T228-6012	1.1/2	12	60	170	28	22.4	257.82
T228-6112	1.9/16	12	60	170	28	22.4	327.98
T228-6212	1.5/8	12	60	170	28	22.4	369.58
T228-6412	1.3/4	12	67	187	31.5	25	447.63
T228-6612	1.7/8	12	67	187	31.5	25	455.67
T228-6812	2"	12	70	200	35.5	28	461.84

CAPITAL

CUTTING TOOLS



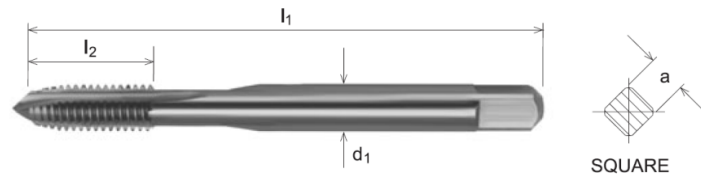
GUN NOSE TAPS - UNEF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T248-2832	1/4	32	19	66	6.3	5	32.21
T248-3032	5/16	32	22	72	8	6.3	35.97
T248-3232	3/8	32	24	80	10	8	40.61
T248-3428	7/16	28	25	85	8	6.3	43.88
T248-3628	1/2	28	29	89	9	7.1	52.92
T248-3824	9/16	24	30	95	11.2	9	86.16
T248-4024	5/8	24	32	102	12.5	10	63.66
T248-4224	11/16	24	37	112	14	11.2	72.88
T248-4420	3/4	20	37	112	14	11.2	75.07
T248-4620	13/16	20	38	118	16	12.5	168.44
T248-4820	7/8	20	38	118	16	12.5	174.16
T248-5020	15/16	20	45	130	18	14	177.99
T248-5220	1"	20	45	130	18	14	121.68
T248-5318	1.1/16	18	48	138	20	16	206.40
T248-5418	1.1/8	18	48	138	20	16	213.93
T248-5518	1.3/16	18	48	138	20	16	219.67
T248-5618	1.1/4	18	51	151	22.4	18	226.44
T248-5718	1.5/16	18	51	151	22.4	18	240.35
T248-5818	1.3/8	18	57	162	25	20	262.48
T248-5918	1.7/16	18	57	162	25	20	279.57
T248-6018	1.1/2	18	60	170	28	22.4	289.01

CAPITAL

CUTTING TOOLS



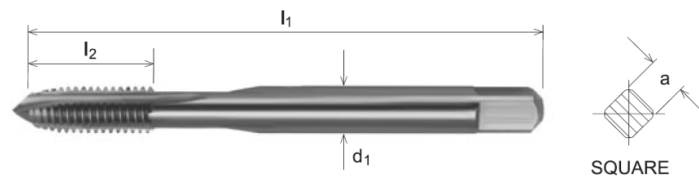
GUN NOSE TAPS - 8 UN SERIES

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T268-5408	1.1/8	8	48	138	20	16	151.22
T268-5608	1.1/4	8	51	151	22.4	18	166.42
T268-5808	1.3/8	8	57	162	25	20	216.35
T268-6008	1.1/2	8	60	170	28	22.4	248.20
T268-6208	1.5/8	8	60	170	28	22.4	387.85
T268-6408	1.3/4	8	67	187	31.5	25	453.74
T268-6608	1.7/8	8	67	187	31.5	25	460.21
T268-6808	2"	8	70	200	35.5	28	484.83
T268-7208	2.1/4	8	70	200	35.5	28	683.43
T268-7608	2.1/2	8	70	200	35.5	28	813.13
T268-8008	2.3/4	8	70	200	35.5	28	885.49
T268-8408	3"	8	70	200	35.5	28	927.41

CAPITAL

CUTTING TOOLS



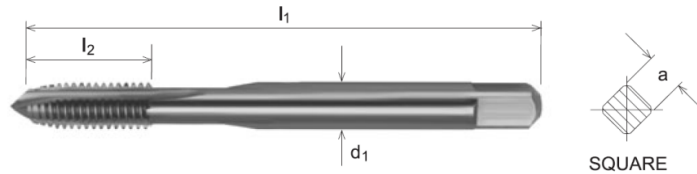
GUN NOSE TAPS - BSW

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T308-2440	1/8	40	11	48	3.15	2.5	20.47
T308-2532	5/32	32	13	53	4	3.15	19.76
T308-2624	3/16	24	16	58	5	4	16.21
T308-2724	7/32	24	18	64	6	4	16.21
T308-2820	1/4	20	19	66	6.3	5	13.78
T308-3018	5/16	18	22	72	8	6.3	14.78
T308-3216	3/8	16	24	80	10	8	20.14
T308-3414	7/16	14	25	85	8	6.3	29.09
T308-3612	1/2	12	29	89	9	7.1	32.29
T308-3812	9/16	12	30	95	11.2	9	55.95
T308-4011	5/8	11	32	102	12.5	10	52.04
T308-4211	11/16	11	35	107	14	11.2	72.79
T308-4410	3/4	10	37	112	14	11.2	72.79
T308-4610	13/16	10	38	118	16	12.5	92.31
T308-4809	7/8	9	38	118	16	12.5	92.31
T308-5008	15/16	9	42	126	18	14	112.01
T308-5208	1"	8	45	130	18	14	112.01
T308-5407	1.1/8	7	48	138	20	16	166.63
T308-5607	1.1/4	7	51	151	22.4	18	213.86
T308-5806	1.3/8	6	57	162	25	20	283.74
T308-6006	1.1/2	6	60	170	28	22.4	324.22
T308-6205	1.5/8	5	60	170	28	22.4	346.58

CAPITAL

CUTTING TOOLS



GUN NOSE TAPS - BSF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T328-2632	3/16	32	16	58	5	4	22.33
T328-2826	1/4	26	19	66	6.3	5	20.27
T328-3022	5/16	22	22	72	8	6.3	22.33
T328-3220	3/8	20	24	80	10	8	30.42
T328-3418	7/16	18	25	85	8	6.3	35.77
T328-3616	1/2	16	29	89	9	7.1	43.13
T328-3816	9/16	16	30	95	11.2	9	59.90
T328-4014	5/8	14	32	102	12.5	10	66.11
T328-4412	3/4	12	37	112	14	11.2	95.42
T328-4811	7/8	11	42	124	18	14	111.38
T328-5210	1"	10	45	130	18	14	137.83
T328-5409	1.1/8	9	48	138	20	16	170.73
T328-5609	1.1/4	9	51	151	22.4	18	218.51
T328-5808	1.3/8	8	57	162	25	20	290.41
T328-6008	1.1/2	8	60	170	28	22.4	328.05

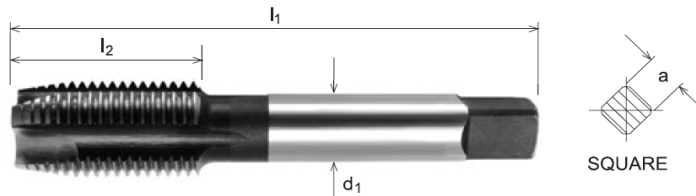
GUN NOSE TAPS - BSB

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T348-2826	1/4	26	19	66	6.3	5	16.58
T348-3026	5/16	26	22	72	8	6.3	30.55
T348-3226	3/8	26	24	80	10	8	30.55
T348-3426	7/16	26	25	85	8	6.3	45.78
T348-3626	1/2	26	29	89	9	7.1	54.58
T348-3826	9/16	26	30	95	11.2	9	59.83
T348-4026	5/8	26	32	102	12.5	10	59.83
T348-4226	11/16	26	34	107	12.5	10	96.56
T348-4426	3/4	26	37	112	14	11.2	102.15
T348-4626	13/16	26	38	118	16	12.5	128.55
T348-4826	7/8	26	42	124	18	14	132.28
T348-5026	15/16	26	45	130	18	14	148.92
T348-5226	1"	26	45	130	18	14	153.80
T348-5426	1.1/8	26	48	138	20	16	206.74
T348-5626	1.1/4	26	51	151	22.4	18	247.92

CAPITAL

CUTTING TOOLS



GUN NOSE TAPS - BSP

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T408-2428	1/8	28	15	59	8	6.3	24.62
T408-2819	1/4	19	19	67	10	8	33.67
T408-3219	3/8	19	21	75	12.5	10	43.51
T408-3614	1/2	14	26	87	16	12.5	69.08
T408-4014	5/8	14	26	91	18	14	95.04
T408-4414	3/4	14	28	96	20	16	96.45
T408-5211	1"	11	33	109	25	20	151.24
T408-5611	1.1/4	11	36	119	31.5	25	266.98
T408-6011	1.1/2	11	37	125	35.5	28	299.34

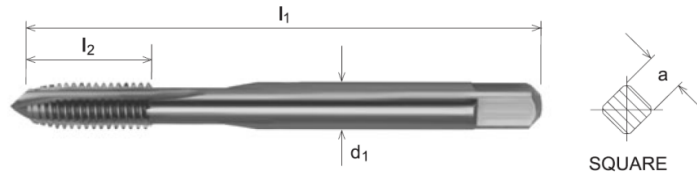
GUN NOSE TAPS - "G" BSP

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T428-2428	1/8	28	15	59	8	6.3	24.62
T428-2819	1/4	19	19	67	10	8	33.67
T428-3219	3/8	19	21	75	12.5	10	43.51
T428-3614	1/2	14	26	87	16	12.5	69.08
T428-4014	5/8	14	26	91	18	14	95.04
T428-4414	3/4	14	28	96	20	16	96.45
T428-4814	7/8	14	29	102	22.4	18	203.74
T428-5211	1"	11	33	109	25	20	151.24
T428-5611	1.1/4	11	36	119	31.5	25	266.98
T428-6011	1.1/2	11	37	125	35.5	28	299.34

CAPITAL

CUTTING TOOLS



GUN NOSE TAPS - BA

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T508-0025	0	25.38	19	66	6.3	5	31.19
T508-0128	1	28.25	17	62	5.6	4.5	41.21
T508-0231	2	31.36	16	58	5	4	31.19
T508-0334	3	34.84	13	53	4.5	3.55	39.16
T508-0438	4	38.46	13	50	3.55	2.8	39.16
T508-0543	5	43.1	11	48	3.15	2.5	41.15
T508-0647	6	47.85	9.5	44.5	2.8	2.24	41.15
T508-0752	7	52.91	9.5	44.5	2.8	2.24	54.10
T508-0859	8	59.17	9.5	44.5	2.8	2.24	54.10
T508-0964	9	64.94	8	41	2.5	2	53.41
T508-1072	10	72.46	8	41	2.5	2	61.23
T508-1290	12	90.91	7	40	2.5	2	64.15

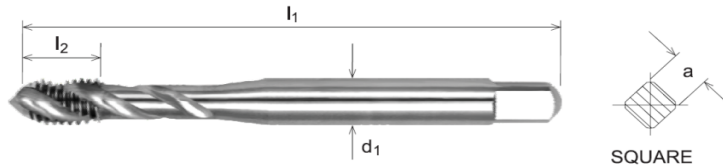
GUN NOSE TAPS - PG

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T548-0720	PG-7	20	29	89	9	7.1	51.10
T548-0918	PG-9	18	32	102	12.5	10	56.59
T548-1118	PG-11	18	37	112	14	11.2	66.82
T548-1318	PG-13.5	18	37	112	14	11.2	87.04
T548-1618	PG-16	18	38	118	16	12.5	107.90
T548-2116	PG-21	16	48	138	20	16	125.36
T548-2916	PG-29	16	60	170	28	22.4	217.67
T548-3616	PG-36	16	67	187	31.5	25	301.52
T548-4216	PG-42	16	70	200	35.5	28	404.61
T548-4816	PG-48	16	70	200	40	31.5	544.05

CAPITAL

CUTTING TOOLS



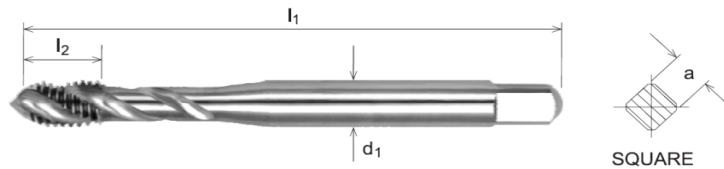
SPIRAL FLUTE TAPS - METRIC COARSE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	\$ ea.
T109-0251	2.5	0.45	9.5	44.5	2.8	2.24	27.89
T109-0305	3.0	0.5	11	48	3.15	2.5	18.01
T109-0356	3.5	0.6	13	50	3.55	2.8	19.33
T109-0402	4.0	0.7	13	53	4	3.15	14.01
T109-0457	4.5	0.75	13	53	4.5	3.55	27.45
T109-0508	5.0	0.8	16	58	5	4	15.65
T109-0610	6.0	1.0	19	66	6.3	5	16.21
T109-0710	7.0	1.0	19	66	7.1	5.6	18.54
T109-0812	8.0	1.25	22	72	8	6.3	17.55
T109-1015	10	1.5	24	80	10	8	24.97
T109-1217	12	1.75	29	89	9	7.1	39.12
T109-1420	14	2.0	30	95	11.2	9	50.03
T109-1620	16	2.0	32	102	12.5	10	62.41
T109-1825	18	2.5	37	112	14	11.2	84.30
T109-2025	20	2.5	37	112	14	11.2	106.20
T109-2225	22	2.5	38	118	16	12.5	115.72
T109-2430	24	3.0	45	130	18	14	134.06
T109-2730	27	3.0	45	135	20	16	157.68
T109-3035	30	3.5	48	138	20	16	189.99
T109-3335	33	3.5	51	151	22.4	18	349.63
T109-3640	36	4.0	57	162	25	20	367.05
T109-3940	39	4.0	60	170	28	22.4	390.38
T109-4245	42	4.5	60	170	28	22.4	409.42
T109-4545	45	4.5	67	187	31.5	25	418.94
T109-4850	48	5.0	67	187	31.5	25	489.38

CAPITAL

CUTTING TOOLS



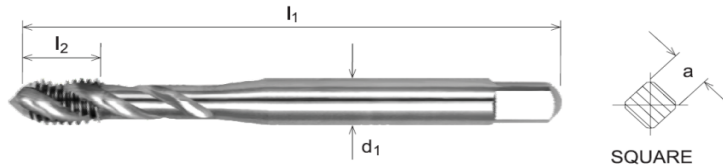
SPIRAL FLUTE TAPS - METRIC COARSE **LEFT HAND**

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	\$ ea.
T119-0402	4.0	0.7	13	53	4	3.15	58.78
T119-0508	5.0	0.8	16	58	5	4	61.08
T119-0610	6.0	1.0	19	66	6.3	5	63.39
T119-0812	8.0	1.25	22	72	8	6.3	67.99
T119-1015	10	1.5	24	80	10	8	77.22
T119-1217	12	1.75	29	89	9	7.1	84.13
T119-1420	14	2.0	30	95	11.2	9	93.34
T119-1620	16	2.0	32	102	12.5	10	117.56
T119-1825	18	2.5	37	112	14	11.2	154.44
T119-2025	20	2.5	37	112	14	11.2	182.10
T119-2225	22	2.5	38	118	16	12.5	193.63
T119-2430	24	3.0	45	130	18	14	207.45
T119-2730	27	3.0	45	135	20	16	235.12
T119-3035	30	3.5	48	138	20	16	265.09
T119-3335	33	3.5	51	151	22.4	18	297.36
T119-3640	36	4.0	57	162	25	20	325.03

CAPITAL

CUTTING TOOLS



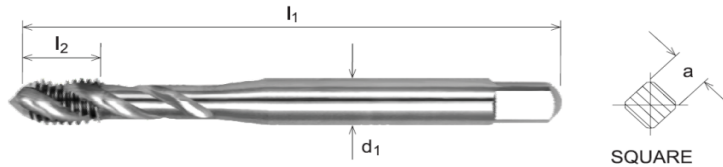
SPIRAL FLUTE TAPS - METRIC FINE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	\$ ea.
T129-0204	2.0	0.4	8	41	2.5	2	38.75
T129-0407	4.0	0.75	13	53	4	3.15	27.45
T129-0505	5.0	0.5	16	58	5	4	34.63
T129-0507	5.0	0.75	16	58	5	4	34.63
T129-0510	5.0	1	16	58	5	4	34.63
T129-0605	6.0	0.5	19	66	6.3	5	34.63
T129-0607	6.0	0.75	19	66	6.3	5	34.63
T129-0805	8.0	0.5	19	69	8	6.3	27.56
T129-0807	8.0	0.75	19	69	8	6.3	27.56
T129-0810	8.0	1.0	19	69	8	6.3	27.56
T129-0815	8.0	1.5	19	69	8	6.3	27.56
T129-0905	9.0	0.5	19	69	9	7.1	52.54
T129-0910	9.0	1.0	19	69	9	7.1	52.54
T129-1005	10	0.5	20	76	10	8	39.43
T129-1007	10	0.75	20	76	10	8	39.43
T129-1010	10	1.0	20	76	10	8	39.43
T129-1012	10	1.25	20	76	10	8	39.43
T129-1020	10	2	20	76	10	8	39.43
T129-1110	11	1.0	22	82	8	6.3	63.51
T129-1112	11	1.25	22	82	8	6.3	63.51
T129-1210	12	1.0	24	84	9	7.1	57.58
T129-1212	12	1.25	24	84	9	7.1	57.58
T129-1215	12	1.5	24	84	9	7.1	57.58
T129-1310	13	1.0	29	89	9	7.1	66.41
T129-1315	13	1.5	29	89	9	7.1	66.41
T129-1410	14	1.0	25	90	11.2	9	92.53
T129-1412	14	1.25	25	90	11.2	9	68.22
T129-1415	14	1.5	25	90	11.2	9	68.22
T129-1510	15	1.0	30	95	11.2	9	71.90
T129-1515	15	1.5	30	95	11.2	9	71.90
T129-1610	16	1.0	32	102	12.5	10	68.22
T129-1612	16	1.25	32	102	12.5	10	68.22

CAPITAL

CUTTING TOOLS



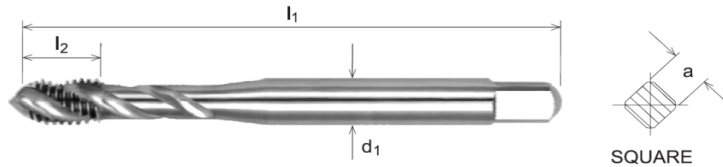
SPIRAL FLUTE TAPS - METRIC FINE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	\$ ea.
T129-1615	16	1.5	32	102	12.5	10	68.22
T129-1810	18	1.0	37	112	14	11.2	106.35
T129-1812	18	1.25	37	112	14	11.2	106.35
T129-1815	18	1.5	37	112	14	11.2	106.35
T129-1820	18	2.0	37	112	14	11.2	106.35
T129-1915	19	1.5	37	112	14	11.2	106.35
T129-2010	20	1.0	37	112	14	11.2	133.77
T129-2012	20	1.25	37	112	14	11.2	133.77
T129-2015	20	1.5	37	112	14	11.2	133.77
T129-2020	20	2.0	37	112	14	11.2	133.77
T129-2210	22	1.0	38	118	16	12.5	138.17
T129-2212	22	1.25	38	118	16	12.5	138.17
T129-2215	22	1.5	38	118	16	12.5	138.17
T129-2220	22	2.0	38	118	16	12.5	138.17
T129-2410	24	1.0	45	130	18	14	195.30
T129-2412	24	1.25	45	130	18	14	195.30
T129-2415	24	1.5	45	130	18	14	195.30
T129-2420	24	2.0	45	130	18	14	195.30
T129-2510	25	1.0	45	130	18	14	253.05
T129-2515	25	1.5	45	130	18	14	253.05
T129-2520	25	2.0	45	130	18	14	253.05
T129-2610	26	1.0	48	138	20	16	255.18
T129-2615	26	1.5	48	138	20	16	255.18
T129-2710	27	1.0	48	138	20	16	255.18
T129-2715	27	1.5	48	138	20	16	255.18
T129-2720	27	2.0	48	138	20	16	255.18
T129-2810	28	1.0	48	138	20	16	270.40
T129-2815	28	1.5	48	138	20	16	270.40
T129-2820	28	2.0	48	138	20	16	270.40
T129-3010	30	1.0	48	138	20	16	274.22
T129-3015	30	1.5	48	138	20	16	274.22
T129-3020	30	2.0	48	138	20	16	274.22

CAPITAL

CUTTING TOOLS



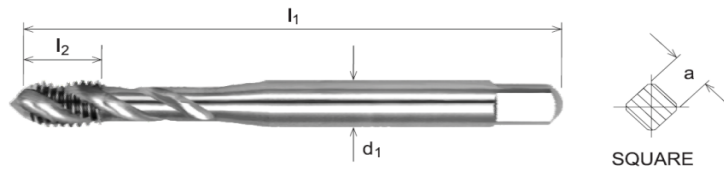
SPIRAL FLUTE TAPS - METRIC FINE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	\$ ea.
T129-3030	30	3.0	48	138	20	16	274.22
T129-3210	32	1.0	51	151	22.4	18	310.76
T129-3215	32	1.5	51	151	22.4	18	310.76
T129-3220	32	2.0	51	151	22.4	18	310.76
T129-3310	33	1.0	51	151	22.4	18	347.00
T129-3315	33	1.5	51	151	22.4	18	347.00
T129-3320	33	2.0	51	151	22.4	18	347.00
T129-3330	33	3.0	51	151	22.4	18	347.00
T129-3410	34	1.0	57	162	25	20	368.89
T129-3415	34	1.5	57	162	25	20	368.89
T129-3610	36	1.0	57	162	25	20	331.34
T129-3615	36	1.5	57	162	25	20	331.34
T129-3620	36	2.0	57	162	25	20	331.34
T129-3630	36	3.0	57	162	25	20	331.34
T129-3910	39	1.0	60	170	28	22.4	356.08
T129-3915	39	1.5	60	170	28	22.4	356.08
T129-3920	39	2.0	60	170	28	22.4	356.08
T129-3930	39	3.0	60	170	28	22.4	356.08
T129-4010	40	1.0	60	170	28	22.4	375.14
T129-4015	40	1.5	60	170	28	22.4	375.14
T129-4020	40	2.0	60	170	28	22.4	375.14
T129-4210	42	1.0	60	170	28	22.4	384.66
T129-4215	42	1.5	60	170	28	22.4	384.66
T129-4220	42	2.0	60	170	28	22.4	384.66
T129-4230	42	3.0	60	170	28	22.4	384.66
T129-4510	45	1.0	67	187	31.5	25	394.18
T129-4515	45	1.5	67	187	31.5	25	394.18
T129-4520	45	2.0	67	187	31.5	25	394.18
T129-4530	45	3.0	67	187	31.5	25	394.18
T129-4810	48	1.0	67	187	31.5	25	405.61
T129-4815	48	1.5	67	187	31.5	25	405.61
T129-4820	48	2.0	67	187	31.5	25	405.61
T129-4830	48	3.0	67	187	31.5	25	405.61
T129-5015	50	1.5	70	200	35.5	28	436.08

CAPITAL

CUTTING TOOLS



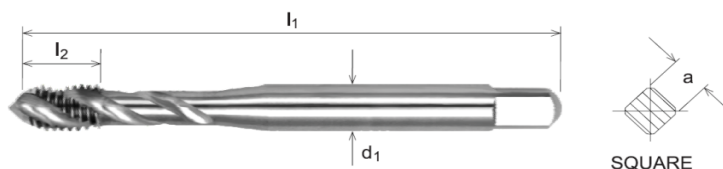
SPIRAL FLUTE TAPS - METRIC OVERSIZE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	\$ ea.
TS146-0610.6	6	1.0 + .4	19	66	6.3	5	37.08
TS146-0812.4	8	1.25 + .4	22	72	8	6.3	39.72
TS146-1015.4	10	1.5 + .4	24	80	10	8	46.67
TS146-1217.4	12	1.75 + .4	29	89	9	7.1	56.67
TS146-1420.4	14	2.0 + .4	30	95	11.2	9	64.03
TS146-1620.4	16	2.0 + .4	32	102	12.5	10	70.08
TS146-2025.4	20	2.5 + .4	37	112	14	11.2	99.98
TS146-2430.4	24	3.0 + .4	45	130	18	14	138.44
TS146-2430.45	24	3.0 + .45	45	130	18	14	138.44
TS146-3035.4	30	3.5 + .4	48	138	20	16	230.04

CAPITAL

CUTTING TOOLS



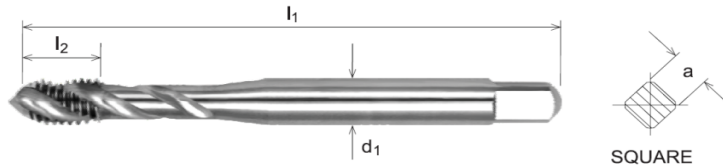
SPIRAL FLUTE TAPS - UNC

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T209-0440	4	40	11	48	3.15	2.5	20.42
T209-0540	5	40	11	48	3.15	2.5	20.42
T209-0632	6	32	13	50	3.55	2.8	16.49
T209-0832	8	32	13	53	4.5	3.55	16.49
T209-1024	10	24	16	58	5	4	16.49
T209-1224	12	24	17	62	5.6	4.5	16.49
T209-2820	1/4	20	19	66	6.3	5	16.21
T209-3018	5/16	18	22	72	8	6.3	17.72
T209-3216	3/8	16	24	80	10	8	24.33
T209-3414	7/16	14	25	85	8	6.3	34.40
T209-3613	1/2	13	29	89	9	7.1	39.46
T209-3812	9/16	12	30	95	11.2	9	62.66
T209-4011	5/8	11	32	102	12.5	10	62.41
T209-4410	3/4	10	37	112	14	11.2	84.30
T209-4809	7/8	9	38	118	16	12.5	115.72
T209-5208	1"	8	45	130	18	14	134.17
T209-5407	1.1/8	7	48	138	20	16	251.37
T209-5607	1.1/4	7	51	151	22.4	18	262.78
T209-5806	1.3/8	6	57	162	25	20	327.54
T209-6006	1.1/2	6	60	170	28	22.4	346.58
T209-6404	1.3/4	5	67	187	31.5	25	375.14
T209-6804	2"	4.1/2	70	200	35.5	28	470.36

CAPITAL

CUTTING TOOLS



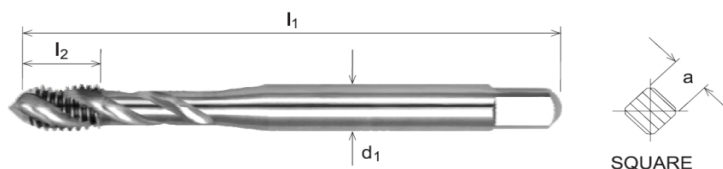
SPIRAL FLUTE TAPS - UNF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T229-0448	4	48	11	48	3.15	2.5	20.42
T229-0544	5	44	11	48	3.15	2.5	20.42
T229-0640	6	40	13	50	3.55	2.8	20.42
T229-0836	8	36	13	53	4.5	3.55	20.42
T229-1032	10	32	16	58	5	4	16.71
T229-1228	12	28	17	62	5.6	4.5	16.71
T229-2828	1/4	28	19	66	6.3	5	16.21
T229-3024	5/16	24	22	72	8	6.3	17.72
T229-3224	3/8	24	24	80	10	8	24.33
T229-3420	7/16	20	25	85	8	6.3	34.40
T229-3620	1/2	20	29	89	9	7.1	39.46
T229-3818	9/16	18	30	95	11.2	9	65.47
T229-4018	5/8	18	32	102	12.5	10	62.41
T229-4416	3/4	16	37	112	14	11.2	84.30
T229-4814	7/8	14	38	118	16	12.5	129.30
T229-5212	1"	12	45	130	18	14	162.77
T229-5214	1" UNS	14	45	130	18	14	210.72
T229-5312	1.1/16	12	48	138	20	16	232.70
T229-5412	1.1/8	12	48	138	20	16	251.37
T229-5512	1.3/16	12	48	138	20	16	255.33
T229-5612	1.1/4	12	51	151	22.4	18	262.78
T229-5712	1.5/16	12	51	151	22.4	18	291.34
T229-5812	1.3/8	12	57	162	25	20	327.54
T229-5912	1.7/16	12	57	162	25	20	337.04
T229-6012	1.1/2	12	60	170	28	22.4	346.58
T229-6112	1.9/16	12	60	170	28	22.4	343.41
T229-6212	1.5/8	12	60	170	28	22.4	351.42
T229-6412	1.3/4	12	67	187	31.5	25	375.88
T229-6612	1.7/8	12	67	187	31.5	25	394.73
T229-6812	2"	12	70	200	35.5	28	414.59

CAPITAL

CUTTING TOOLS

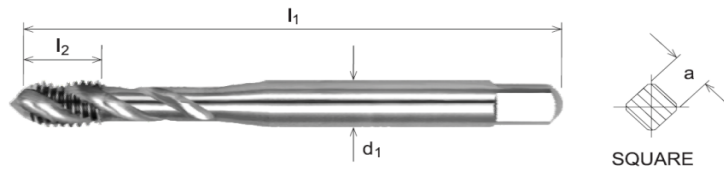


SPIRAL FLUTE TAPS - UNEF HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T249-2832	1/4	32	19	66	6.3	5	39.81
T249-3032	5/16	32	22	72	8	6.3	42.81
T249-3232	3/8	32	24	80	10	8	48.21
T249-3428	7/16	28	25	85	8	6.3	51.48
T249-3628	1/2	28	29	89	9	7.1	60.53
T249-3824	9/16	24	30	95	11.2	9	74.32
T249-4024	5/8	24	32	102	12.5	10	78.87
T249-4224	11/16	24	37	112	14	11.2	113.63
T249-4420	3/4	20	37	112	14	11.2	90.28
T249-4620	13/16	20	38	118	16	12.5	136.29
T249-4820	7/8	20	38	118	16	12.5	145.89
T249-5020	15/16	20	45	130	18	14	155.90
T249-5220	1"	20	45	130	18	14	176.04
T249-5318	1.1/16	18	48	138	20	16	219.03
T249-5418	1.1/8	18	48	138	20	16	235.16
T249-5518	1.3/16	18	48	138	20	16	235.16
T249-5618	1.1/4	18	51	151	22.4	18	266.03
T249-5718	1.5/16	18	51	151	22.4	18	296.88
T249-5818	1.3/8	18	57	162	25	20	328.48
T249-5918	1.7/16	18	57	162	25	20	345.00
T249-6018	1.1/2	18	60	170	28	22.4	361.04

CAPITAL

CUTTING TOOLS



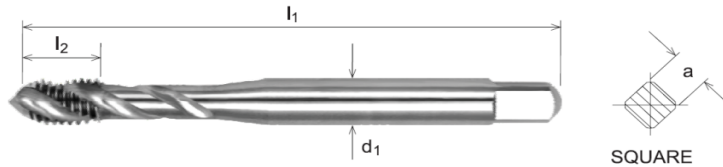
SPIRAL FLUTE TAPS - 8 UN SERIES

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T269-5408	1.1/8	8	48	138	20	16	254.13
T269-5608	1.1/4	8	51	151	22.4	18	273.17
T269-5808	1.3/8	8	57	162	25	20	333.79
T269-6008	1.1/2	8	60	170	28	22.4	360.74
T269-6208	1.5/8	8	60	170	28	22.4	390.63
T269-6408	1.3/4	8	67	187	31.5	25	425.81
T269-6608	1.7/8	8	67	187	31.5	25	492.03
T269-6808	2"	8	70	200	35.5	28	526.84
T269-7208	2.1/4	8	70	200	35.5	28	572.71
T269-7608	2.1/2	8	70	200	35.5	28	626.06
T269-8008	2.3/4	8	70	200	35.5	28	668.43
T269-8408	3"	8	70	200	35.5	28	704.33

CAPITAL

CUTTING TOOLS

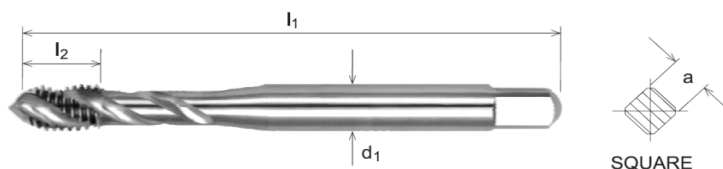


SPIRAL FLUTE TAPS - BSW HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T309-2440	1/8	40	11	48	3.15	2.5	19.89
T309-2532	5/32	32	13	53	4	3.15	20.61
T309-2624	3/16	24	16	58	5	4	20.61
T309-2724	7/32	24	18	64	6	4	16.91
T309-2820	1/4	20	19	66	6.3	5	18.51
T309-3018	5/16	18	22	72	8	6.3	25.40
T309-3216	3/8	16	24	80	10	8	25.40
T309-3414	7/16	14	25	85	8	6.3	35.97
T309-3612	1/2	12	29	89	9	7.1	41.21
T309-3812	9/16	12	30	95	11.2	9	68.51
T309-4011	5/8	11	32	102	12.5	10	65.24
T309-4211	11/16	11	35	107	14	11.2	81.23
T309-4410	3/4	10	37	112	14	11.2	81.23
T309-4610	13/16	10	38	118	16	12.5	115.72
T309-4809	7/8	9	38	118	16	12.5	115.72
T309-5008	15/16	9	42	126	18	14	134.17
T309-5208	1"	8	45	130	18	14	134.17
T309-5407	1.1/8	7	48	138	20	16	251.37
T309-5607	1.1/4	7	51	151	22.4	18	262.78
T309-5806	1.3/8	6	57	162	25	20	327.54
T309-6006	1.1/2	6	60	170	28	22.4	346.58
T309-6205	1.5/8	5	60	170	28	22.4	594.54

CAPITAL

CUTTING TOOLS



SPIRAL FLUTE TAPS - BSF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T329-2632	3/16	32	16	58	5	4	21.81
T329-2826	1/4	26	19	66	6.3	5	22.10
T329-3022	5/16	22	22	72	8	6.3	26.23
T329-3220	3/8	20	24	80	10	8	37.09
T329-3418	7/16	18	25	85	8	6.3	48.18
T329-3616	1/2	16	29	89	9	7.1	56.53
T329-3816	9/16	16	30	95	11.2	9	77.04
T329-4014	5/8	14	32	102	12.5	10	77.04
T329-4412	3/4	12	37	112	14	11.2	112.75
T329-4811	7/8	11	42	124	18	14	138.03
T329-5210	1"	10	45	130	18	14	177.27
T329-5409	1.1/8	9	48	138	20	16	251.37
T329-5609	1.1/4	9	51	151	22.4	18	262.78
T329-5808	1.3/8	8	57	162	25	20	327.54
T329-6008	1.1/2	8	60	170	28	22.4	346.58

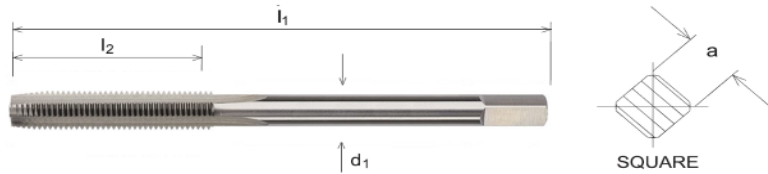
SPIRAL FLUTE TAPS - "G" BSP

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T429-2428	1/8	28	15	59	8	6.3	40.50
T429-2819	1/4	19	19	67	10	8	40.50
T429-3219	3/8	19	21	75	12.5	10	65.46
T429-3614	1/2	14	26	87	16	12.5	86.00
T429-4014	5/8	14	26	91	18	14	110.26
T429-4414	3/4	14	28	96	20	16	111.29
T429-4814	7/8	14	29	102	22.4	18	311.35
T429-5211	1"	11	33	109	25	20	358.00
T429-5611	1.1/4	11	36	119	31.5	25	418.94
T429-6011	1.1/2	11	37	125	35.5	28	470.36

CAPITAL

CUTTING TOOLS



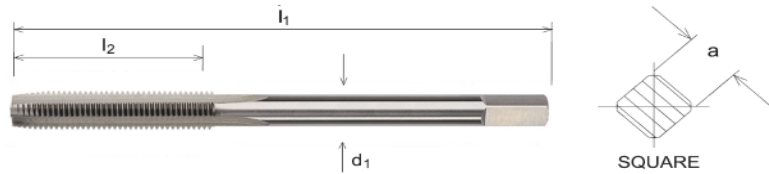
MACHINE NUT TAPS - METRIC

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T101-4-	T101-5-	T101-6-	T101-3-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
0305	3.0	0.5	19	89	2.15	2.5	44.26	44.26	44.26	132.75
0356	3.5	0.6	25	89	2.55	2.8	44.26	44.26	44.26	132.75
0402	4.0	0.7	32	102	3.15	3.15	44.26	44.26	44.26	132.75
0508	5.0	0.8	41	108	3.85	4	59.72	59.72	59.72	179.17
0610	6.0	1.0	46	127	4.5	5	59.72	59.72	59.72	179.17
0710	7.0	1.0	51	127	5.6	5.6	59.72	59.72	59.72	179.17
0810	8.0	1.0	63	140	6.3	6.3	88.96	88.96	88.96	266.88
0812	8.0	1.25	63	140	6.3	6.3	62.69	62.69	62.69	188.08
0912	9.0	1.25	70	152	7.1	7.1	90.29	90.29	90.29	270.89
1015	10	1.5	76	152	8	8	90.29	90.29	90.29	270.89
1115	11	1.5	76	165	8	6.3	90.29	90.29	90.29	270.89
1212	12	1.25	83	178	9.6	7.1	155.83	155.83	155.83	467.49
1217	12	1.75	83	178	9.6	7.1	123.90	123.90	123.90	371.70
1420	14	2.0	92	190	11.2	9	123.90	123.90	123.90	371.70
1615	16	1.5	92	203	12.5	10	167.98	167.98	167.98	503.94
1620	16	2.0	92	203	12.5	10	132.02	132.02	132.02	396.08
1825	18	2.5	102	216	14	11.2	143.94	143.94	143.94	431.82
2025	20	2.5	102	229	14	11.2	176.16	176.16	176.16	528.45
2225	22	2.5	102	254	16	12.5	192.56	192.56	192.56	577.69
2430	24	3.0	115	254	18	14	254.49	254.49	254.49	763.49
2730	27	3.0	115	300	20	16	359.91	359.91	359.91	1079.71
3035	30	3.5	115	300	20	16	375.14	375.14	375.14	1125.41

CAPITAL

CUTTING TOOLS



MACHINE NUT TAPS - UNC HIGH SPEED STEEL - GROUND THREAD

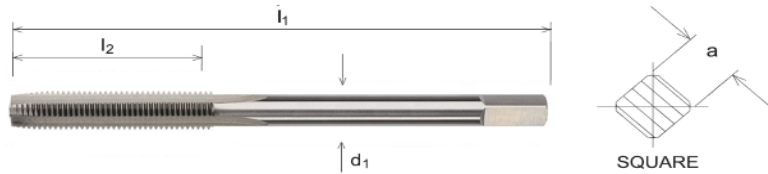
Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T201-4-	T201-5-	T201-6-	T201-3-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
0832	8	32	25	95	2.55	2.8	47.46	47.46	47.46	142.38
1024	10	24	32	108	3.15	3.15	47.46	47.46	47.46	142.38
1224	12	24	36	115	3.15	3.15	51.27	51.27	51.27	153.80
2820	1/4	20	41	127	3.85	4	54.87	54.87	54.87	164.64
3018	5/16	18	46	140	4.5	5	54.87	54.87	54.87	164.64
3216	3/8	16	51	152	5.6	5.6	78.15	78.15	78.15	234.45
3414	7/16	14	60	165	5.6	5.6	104.04	104.04	104.04	312.13
3613	1/2	13	63	178	6.3	6.3	107.38	107.38	107.38	322.14
3812	9/16	12	70	190	7.1	7.1	115.78	115.78	115.78	347.34
4011	5/8	11	76	203	8	8	125.39	125.39	125.39	376.17
4410	3/4	10	83	229	9.6	7.1	140.89	140.89	140.89	422.68
4809	7/8	9	92	254	11.2	9	197.42	197.42	197.42	592.22
5208	1"	8	102	279	16	12.5	263.02	263.02	263.02	789.07

MACHINE NUT TAPS - UNF HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T221-4-	T221-5-	T221-6-	T221-3-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2828	1/4	28	41	127	3.85	4	53.81	53.81	53.81	161.43
3024	5/16	24	46	140	4.5	5	57.61	57.61	57.61	172.84
3224	3/8	24	51	152	5.6	5.6	82.05	82.05	82.05	246.14
3420	7/16	20	60	165	5.6	5.6	98.34	98.34	98.34	294.99
3620	1/2	20	63	178	6.3	6.3	112.75	112.75	112.75	338.24
3818	9/16	18	70	190	7.1	7.1	115.78	115.78	115.78	347.34
4018	5/8	18	76	203	8	8	125.39	125.39	125.39	376.17
4416	3/4	16	83	229	9.6	7.1	140.89	140.89	140.89	422.68
4814	7/8	14	92	254	11.2	9	196.49	196.49	196.49	592.22
5212	1"	12	102	279	16	12.5	263.02	263.02	263.02	789.07

CAPITAL

CUTTING TOOLS

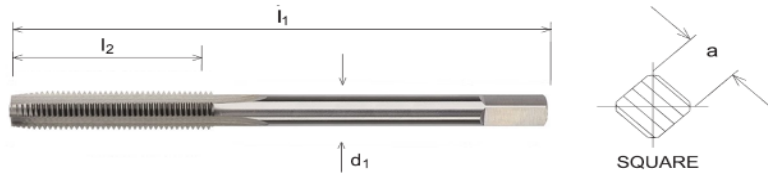


MACHINE NUT TAPS - BSW HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T301-4-	T301-5-	T301-6-	T301-3-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2440	1/8	40	28	104	3.3	3.3	48.15	48.15	48.15	144.46
2532	5/32	32	32	108	3.3	3.3	74.26	74.26	74.26	222.80
2624	3/16	24	32	108	3.3	3.3	48.15	48.15	48.15	144.46
2724	7/32	24	41	127	4.7	4	74.26	74.26	74.26	222.80
2820	1/4	20	41	127	4.7	4	53.11	53.11	53.11	159.30
3018	5/16	18	46	140	6	5	57.61	57.61	57.61	172.84
3216	3/8	16	50	152	7.5	6.3	82.05	82.05	82.05	246.14
3414	7/16	14	60	165	9	6.3	98.15	98.15	98.15	294.46
3612	1/2	12	63	178	9.5	7.1	112.75	112.75	112.75	338.24
3812	9/16	12	70	190	11.5	9	115.78	115.78	115.78	347.34
4011	5/8	11	76	203	13	10	119.41	119.41	119.41	358.26
4211	11/16	11	82	228	15	11.2	134.21	134.21	134.21	402.62
4410	3/4	10	82	228	15	11.2	134.21	134.21	134.21	402.62
4609	13/16	9	92	254	18	12.5	197.42	197.42	197.42	592.22
4809	7/8	9	92	254	18	12.5	197.42	197.42	197.42	592.22
5009	15/16	9	101	279	21	14	250.61	250.61	250.61	751.52
5208	1"	8	101	279	21	14	250.61	250.61	250.61	751.52

CAPITAL

CUTTING TOOLS

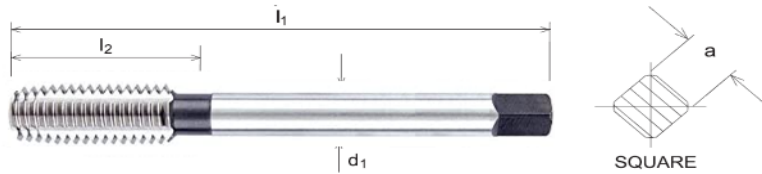


MACHINE NUT TAPS - BSF HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T321-4-	T321-5-	T321-6-	T321-3-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2632	3/16	32	32	108	3.3	3.3	53.99	53.99	53.99	159.26
2826	1/4	26	41	127	4.7	4	58.73	58.73	58.73	176.17
3022	5/16	22	46	140	6	5	64.10	64.10	64.10	192.28
3220	3/8	20	50	152	7.5	6.3	85.64	85.64	85.64	256.91
3418	7/16	18	60	165	9	6.3	98.34	98.34	98.34	294.99
3616	1/2	16	63	178	9.5	7.1	112.75	112.75	112.75	338.24
3816	9/16	16	70	190	11.5	9	115.78	115.78	115.78	347.34
4014	5/8	14	76	203	13	10	125.39	125.39	125.39	376.17
4412	3/4	12	82	228	15	11.2	140.90	140.90	140.90	422.74
4811	7/8	11	92	254	18	12.5	197.42	197.42	197.42	592.22
5210	1"	10	101	279	21	14	263.02	263.02	263.02	789.07

CAPITAL

CUTTING TOOLS



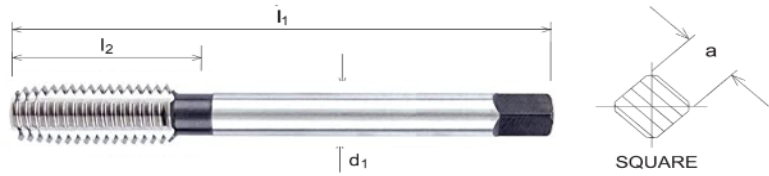
EXTENSION TAPS - METRIC

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T102-4-	T102-5-	T102-6-	T102-3-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
0508	5.0	0.8	24	87	5	4	62.84	62.84	62.84	188.52
0610	6.0	1.0	28.5	99	6.3	5	62.84	62.84	62.84	188.52
0710	7.0	1.0	28.5	99	7.1	5.6	62.84	62.84	62.84	188.52
0812	8.0	1.25	33	108	8	6.3	64.74	64.74	64.74	194.24
0912	9.0	1.25	33	108	9	7.1	93.30	93.30	93.30	279.92
1012	10	1.25	36	120	10	8	93.30	93.30	93.30	279.92
1015	10	1.5	36	120	10	8	93.30	93.30	93.30	279.92
1115	11	1.5	37.5	127	8	6.3	127.58	127.58	127.58	382.76
1217	12	1.75	43.5	133	9	7.1	127.58	127.58	127.58	382.76
1420	14	2.0	45	142	11.2	9	127.58	127.58	127.58	382.76
1620	16	2.0	48	153	12.5	10	140.90	140.90	140.90	422.74
1815	18	1.5	55.5	168	14	11.2	148.54	148.54	148.54	445.58
1825	18	2.5	55.5	168	14	11.2	148.54	148.54	148.54	445.58
2015	20	1.5	55.5	168	14	11.2	186.62	186.62	186.62	559.85
2020	20	2.0	55.5	168	14	11.2	186.62	186.62	186.62	559.85
2025	20	2.5	55.5	168	14	11.2	186.62	186.62	186.62	559.85
2225	22	2.5	57	177	16	12.5	203.74	203.74	203.74	611.26
2430	24	3.0	67.5	195	18	14	264.68	264.68	264.68	794.06
2730	27	3.0	67.5	202	20	16	336.48	336.48	336.48	1009.43
3035	30	3.5	72	207	20	16	354.97	354.97	354.97	1064.89
3335	33	3.5	76.5	226	22.4	18	423.38	423.38	423.38	1270.11
3640	36	4.0	85.5	243	25	20	460.35	460.35	460.35	1381.03
3940	39	4.0	90	255	28	22.4	532.45	532.45	532.45	1597.35
4245	42	4.5	90	255	28	22.4	582.37	582.37	582.37	1747.10
4545	45	4.5	100.5	280	31.5	25	549.09	549.09	549.09	1647.26
4850	48	5.0	100.5	280	31.5	25	811.88	811.88	811.88	2435.63

CAPITAL

CUTTING TOOLS

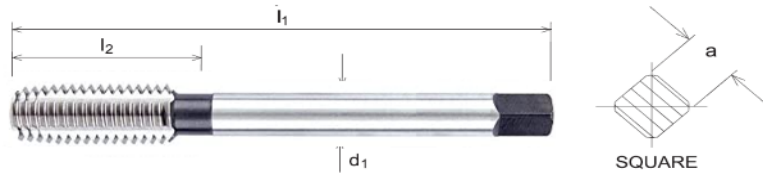


EXTENSION TAPS - UNC HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T202-4-	T202-5-	T202-6-	T202-3-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2820	1/4	20	28.5	99	6.3	5	60.94	60.94	60.94	182.80
3018	5/16	18	33	108	8	6.3	60.94	60.94	60.94	182.80
3216	3/8	16	36	120	10	8	83.80	83.80	83.80	251.37
3414	7/16	14	37.5	127.5	8	6.3	100.94	100.94	100.94	302.78
3613	1/2	13	43.5	133.5	9	7.1	112.34	112.34	112.34	337.04
3812	9/16	12	45	142.5	11.2	9	119.98	119.98	119.98	359.91
4011	5/8	11	48	153	12.5	10	127.58	127.58	127.58	382.76
4410	3/4	10	55.5	168	14	11.2	146.64	146.64	146.64	439.88
4809	7/8	9	57	177	16	12.5	207.58	207.58	207.58	622.69
5208	1"	8	67.5	195	18	14	255.13	255.13	255.13	765.39
5407	1.1/8	7	72	207	20	16	354.97	354.97	354.97	1064.89
5607	1.1/4	7	76.5	226	22.4	18	423.38	423.38	423.38	1270.11
5806	1.3/8	6	85.5	243	25	20	460.35	460.35	460.35	1381.03
6006	1.1/2	6	90	255	28	22.4	550.93	550.93	550.93	1652.81
6404	1.3/4	5	100	280	31.5	25	573.12	573.12	573.12	1719.35
6804	2"	4.1/2	105	300	35.5	28	841.20	841.20	841.20	2523.58

CAPITAL

CUTTING TOOLS



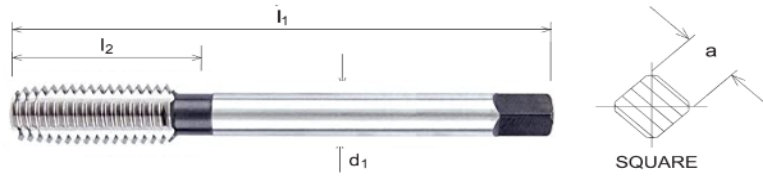
EXTENSION TAPS - UNF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T222-4-	T222-5-	T222-6-	T222-3-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2828	1/4	28	28.5	99	6.3	5	55.24	55.24	55.24	165.68
3024	5/16	24	33	108	8	6.3	60.94	60.94	60.94	182.80
3224	3/8	24	36	120	10	8	83.80	83.80	83.80	251.37
3420	7/16	20	37.5	127.5	8	6.3	100.94	100.94	100.94	302.78
3620	1/2	20	43.5	133.5	9	7.1	97.13	97.13	97.13	337.04
3818	9/16	18	45	142.5	11.2	9	118.06	118.06	118.06	354.18
4018	5/8	18	48	153	12.5	10	127.58	127.58	127.58	382.76
4416	3/4	16	55.5	168	14	11.2	140.90	140.90	140.90	422.74
4814	7/8	14	57	177	16	12.5	199.94	199.94	199.94	599.84
5212	1"	12	67.5	195	18	14	256.97	256.97	256.97	770.93
5312	1.1/16	12	72	207	20	16	271.77	271.77	271.77	815.32
5412	1.1/8	12	72	207	20	16	301.34	301.34	301.34	904.53
5512	1.3/16	12	72	207	20	16	364.21	364.21	364.21	1092.63
5612	1.1/4	12	76.5	226	22.4	18	423.38	423.38	423.38	1270.11
5712	1.5/16	12	76.5	226	22.4	18	436.32	436.32	436.32	1308.94
5812	1.3/8	12	85.5	243	25	20	460.35	460.35	460.35	1381.03
5912	1.7/16	12	85.5	243	25	20	486.23	486.23	486.23	1458.69
6012	1.1/2	12	90	255	28	22.4	550.93	550.93	550.93	1652.81
6112	1.9/16	12	90	255	28	22.4	562.03	562.03	562.03	1686.09
6212	1.5/8	12	90	255	28	22.4	562.03	562.03	562.03	1686.09
6412	1.3/4	12	100	280	31.5	25	573.12	573.12	573.12	1719.35
6612	1.7/8	12	100	280	31.5	25	591.61	591.61	591.61	1774.83
6812	2"	12	105	300	35.5	28	841.20	841.20	841.20	2523.58

CAPITAL

CUTTING TOOLS



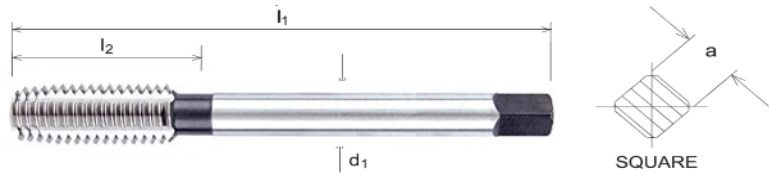
EXTENSION TAPS - BSW

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T302-4-	T302-5-	T302-6-	T302-3-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2820	1/4	20	28.5	99	6.3	5	55.24	55.24	55.24	165.68
3018	5/16	18	33	108	8	6.3	62.84	62.84	62.84	188.52
3216	3/8	16	36	120	10	8	83.80	83.80	83.80	251.37
3414	7/16	14	37.5	127	8	6.3	100.94	100.94	100.94	302.78
3612	1/2	12	43.5	133	9	7.1	119.98	119.98	119.98	359.91
3812	9/16	12	45	142	11.2	9	127.58	127.58	127.58	382.76
4011	5/8	11	48	153	12.5	10	131.40	131.40	131.40	394.18
4211	11/16	11	48	153	12.5	10	140.90	140.90	140.90	422.74
4410	3/4	10	55.5	168	14	11.2	235.44	235.44	235.44	706.31
4609	13/16	9	55.5	168	14	11.2	207.58	207.58	207.58	622.69
4809	7/8	9	57	177	16	12.5	207.58	207.58	207.58	622.69
5009	15/16	9	57	177	16	12.5	260.88	260.88	260.88	782.64
5208	1"	8	67.5	195	18	14	253.28	253.28	253.28	759.84
5407	1.1/8	7	72	207	20	16	301.34	301.34	301.34	904.05
5607	1.1/4	7	76.5	226	22.4	18	423.38	423.38	423.38	1270.10
5806	1.3/8	6	85.5	243	25	20	460.35	460.35	460.35	1381.03
6006	1.1/2	6	90	255	28	22.4	550.93	550.93	550.93	1652.81
6205	1.5/8	5	90	255	28	22.4	562.03	562.03	562.03	1686.09
6405	1.3/4	5	100	280	31.5	25	573.12	573.12	573.12	1719.35
6604	1.7/8	4	100	280	31.5	25	591.61	591.61	591.61	1774.83
6804	2"	4	105	300	35.5	28	841.20	841.20	841.20	2523.58

CAPITAL

CUTTING TOOLS



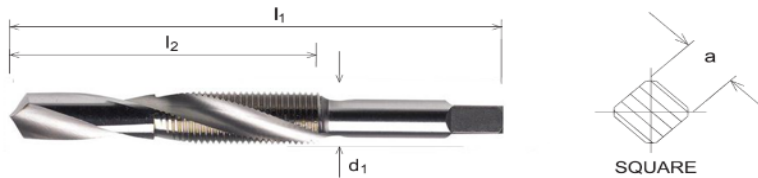
EXTENSION TAPS - BSF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	Set
							Code Prefix	Code Prefix	Code Prefix	Code Prefix
							T322-4-	T322-5-	T322-6-	T322-3-
							\$ ea.	\$ ea.	\$ ea.	\$ ea.
2826	1/4	26	28.5	99	6.3	5	64.74	64.74	64.74	194.24
3022	5/16	22	33	108	8	6.3	68.56	68.56	68.56	205.66
3220	3/8	20	36	120	10	8	87.60	87.60	87.60	262.78
3418	7/16	18	37.5	127	8	6.3	100.94	100.94	100.94	302.78
3616	1/2	16	43.5	133	9	7.1	118.06	118.06	118.06	353.31
3816	9/16	16	45	142	11.2	9	121.88	121.88	121.88	365.62
4014	5/8	14	48	153	12.5	10	129.50	129.50	129.50	388.48
4214	11/16	14	51	160	12.5	10	140.90	140.90	140.90	422.74
4412	3/4	12	55.5	168	14	11.2	146.64	146.64	146.64	439.88
4612	13/16	12	57	177	16	12.5	203.74	203.74	203.74	611.26
4811	7/8	11	63	186	18	14	203.74	203.74	203.74	611.26
5210	1"	10	67.5	195	18	14	262.52	262.52	262.52	787.57
5409	1.1/8	9	72	207	20	16	308.75	308.75	308.75	926.25
5609	1.1/4	9	76.5	226	22.4	18	436.32	436.32	436.32	1308.94
5808	1.3/8	8	85	243	25	20	471.44	471.44	471.44	1414.32
6008	1.1/2	8	90	255	28	22.4	562.03	562.03	562.03	1686.09

CAPITAL

CUTTING TOOLS



COMBINATION DRILL AND TAP HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	\$ ea.
DT-0305	3.0	0.5	12	35	2.5	2.5	81.90
DT-0407	4.0	0.7	14	38	3.3	3.15	84.51
DT-0508	5.0	0.8	18	40	4.2	4	88.02
DT-0610	6.0	1.0	18	43	5	5	108.49
DT-0812	8.0	1.25	23	51	6.8	6.3	131.22
DT-1015	10	1.5	32	59	8.5	8	156.69
DT-1217	12	1.75	38	65	10.3	9.5	168.78

CAPITAL

CUTTING TOOLS



ACME TYPE TAPS

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T80-3606	1/2	6	60	108	10	7.1	336.48
T80-3608	1/2	8	60	108	10	7.1	336.48
T80-3610	1/2	10	60	108	10	7.1	336.48
T80-4005	5/8	5	80	140	13	10	388.23
T80-4006	5/8	6	80	140	13	10	388.23
T80-4008	5/8	8	80	140	13	10	388.23
T80-4010	5/8	10	80	140	13	10	388.23
T80-4404	3/4	4	96	165	15	11.2	447.40
T80-4405	3/4	5	96	165	15	11.2	447.40
T80-4406	3/4	6	96	165	15	11.2	447.40
T80-4408	3/4	8	96	165	15	11.2	447.40
T80-4410	3/4	10	96	165	15	11.2	447.40
T80-4804	7/8	4	108	184	18	12.5	502.87
T80-4806	7/8	6	108	184	18	12.5	502.87
T80-5204	1"	4	117	200	21	14	613.80
T80-5205	1"	5	117	200	21	14	613.80
T80-5206	1"	6	117	200	21	14	613.80
T80-5208	1"	8	117	200	21	14	613.80
T80-5405	1.1/8	5	123	212	21.5	16	673.89
T80-5604	1.1/4	4	133	228	22.4	18	733.97
T80-5605	1.1/4	5	133	228	22.4	18	733.97
T80-5606	1.1/4	6	133	228	22.4	18	733.97
T80-6004	1.1/2	4	145	240	24	20	853.20

CAPITAL

CUTTING TOOLS



ACME TYPE TAPS **LEFT HAND**

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
T81-3606	1/2	6	60	108	10	7.1	351.28
T81-3608	1/2	8	60	108	10	7.1	351.28
T81-3610	1/2	10	60	108	10	7.1	351.28
T81-4006	5/8	6	80	140	13	10	403.03
T81-4008	5/8	8	80	140	13	10	403.03
T81-4010	5/8	10	80	140	13	10	403.03
T81-4404	3/4	4	96	165	15	11.2	465.90
T81-4405	3/4	5	96	165	15	11.2	465.90
T81-4406	3/4	6	96	165	15	11.2	465.90
T81-4408	3/4	8	96	165	15	11.2	465.90
T81-4804	7/8	4	108	184	18	12.5	517.67
T81-4806	7/8	6	108	184	18	12.5	517.67
T81-5205	1"	5	117	200	21	14	628.60
T81-5206	1"	6	117	200	21	14	628.60
T81-5404	1.1/8	4	123	212	21.5	16	688.86
T81-5605	1.1/4	5	133	228	22.4	18	869.05
T81-6004	1.1/2	4	145	240	24	20	910.09

CAPITAL

CUTTING TOOLS



TRAPEZOIDAL TYPE TAPS - TRAPEZOIDAL

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	\$ ea.
T82-1015	10	1.5	60	108	10	8	314.29
T82-1020	10	2.0	60	108	10	8	314.29
T82-1030	10	3.0	60	108	10	8	314.29
T82-1120	11	2.0	60	108	10	8	325.04
T82-1130	11	3.0	60	108	10	8	325.04
T82-1220	12	2.0	60	108	10	8	336.48
T82-1230	12	3.0	60	108	10	8	336.48
T82-1430	14	3.0	70	124	11.2	9	364.21
T82-1440	14	4.0	70	124	11.2	9	364.21
T82-1620	16	2.0	80	140	12.5	10	397.49
T82-1630	16	3.0	80	140	12.5	10	397.49
T82-1640	16	4.0	80	140	12.5	10	397.49
T82-1830	18	2.0	88	152	14	11.2	465.90
T82-1820	18	3.0	88	152	14	11.2	465.90
T82-1840	18	4.0	88	152	14	11.2	465.90
T82-1925	19	2.5	88	152	14	11.2	483.89
T82-2020	20	2.0	96	165	14	11.2	502.87
T82-2030	20	3.0	96	165	14	11.2	502.87
T82-2040	20	4.0	96	165	14	11.2	502.87
T82-2250	22	5.0	108	184	16	12.5	534.29
T82-2430	24	3.0	117	200	18	14	626.74
T82-2450	24	4.0	117	200	18	14	626.74
T82-2450	24	5.0	117	200	18	14	626.74
T82-2550	25	5.0	117	200	18	14	670.38
T82-3060	30	6.0	133	228	20	16	715.47
T82-3660	36	6.0	146	254	25	20	770.03

CAPITAL

CUTTING TOOLS



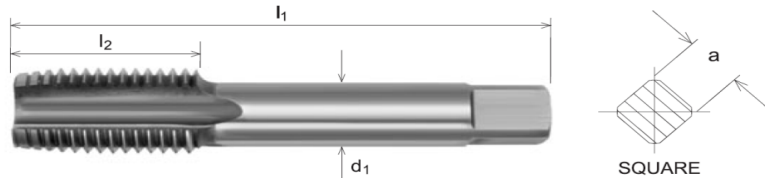
TRAPEZOIDAL TYPE TAPS - TRAPEZOIDAL **LEFT HAND**

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	\$ ea.
T83-1015	10	1.5	60	108	10	8	325.38
T83-1020	10	2.0	60	108	10	8	325.38
T83-1120	11	2.0	60	108	10	8	335.04
T83-1220	12	2.0	60	108	9	7.1	349.43
T83-1230	12	3.0	60	108	9	7.1	349.43
T83-1430	14	3.0	70	124	11.2	9	377.09
T83-1440	14	4.0	70	124	11.2	9	377.09
T83-1620	16	2.0	80	140	12.5	10	412.29
T83-1630	16	3.0	80	140	12.5	10	412.29
T83-1640	16	4.0	80	140	12.5	10	412.29
T83-1820	18	2.0	88	152	14	11.2	478.83
T83-1840	18	4.0	88	152	14	11.2	478.83
T83-1850	18	5.0	88	152	14	11.2	478.83
T83-2020	20	2.0	96	165	14	11.2	521.36
T83-2040	20	4.0	96	165	14	11.2	521.36
T83-2250	22	5.0	108	184	16	12.5	574.41
T83-2450	24	5.0	117	200	18	14	654.46

CAPITAL

CUTTING TOOLS



THREAD INSERT TAPS - METRIC COARSE

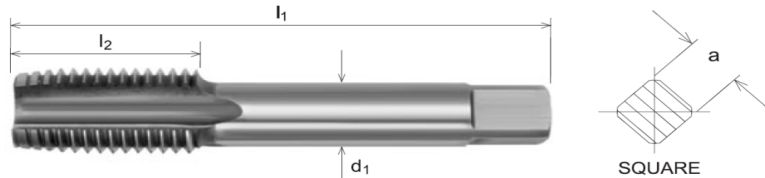
HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom
							Code Prefix	Code Prefix	Code Prefix
							TI104-	TI105-	TI106-
							\$ ea.	\$ ea.	\$ ea.
0305	3.0	0.5	11	48	3.15	2.5			
0356	3.5	0.6	13	50	3.55	2.8			
0402	4.0	0.7	13	53	4	3.15			
0508	5.0	0.8	16	58	5	4			
0610	6.0	1.0	19	66	6.3	5			
0710	7.0	1.0	19	66	7.1	5.6			
0812	8.0	1.25	22	72	8	6.3			
0912	9.0	1.25	22	72	9	7.1			
1015	10	1.5	24	80	10	8			
1115	11	1.5	25	85	8	6.3			
1217	12	1.75	29	89	9	7.1			
1420	14	2.0	30	95	11.2	9			
1620	16	2.0	32	102	12.5	10			
1825	18	2.5	37	112	14	11.2			
2025	20	2.5	37	112	14	11.2			
2225	22	2.5	38	118	16	12.5			
2430	24	3.0	45	130	18	14			
2730	27	3.0	45	135	20	16			
3035	30	3.5	48	138	20	16			
3335	33	3.5	51	151	22.4	18			
3640	36	4.0	57	162	25	20			
3940	39	4.0	60	170	28	22.4			
4245	42	4.5	60	170	28	22.4			
4545	45	4.5	67	187	31.5	25			
4850	48	5.0	67	187	31.5	25			

SPECIAL THREAD REPAIR TAPS FOR COIL INSTALLATION

CAPITAL

CUTTING TOOLS



THREAD INSERT TAPS - METRIC

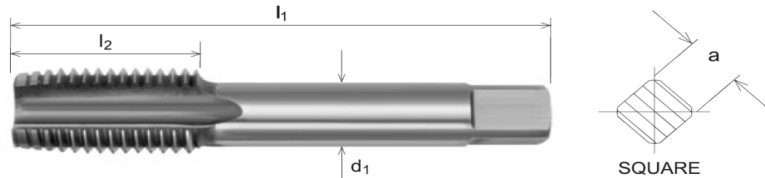
HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	
							Code Prefix	Code Prefix	Code Prefix	
							TI124-	TI125-	TI126-	
							\$ ea.	\$ ea.	\$ ea.	
0807	8.0	0.75	19	69	8	6.3		42.00	42.00	42.00
0810	8.0	1.0	19	69	8	6.3		34.42	34.42	34.42
0910	9.0	1.0	19	69	9	7.1		50.06	50.06	50.06
0915	9.0	1.5	19	69	9	7.1		47.98	47.98	47.98
1010	10	1.0	20	76	10	8		43.45	43.45	43.45
1012	10	1.25	20	76	10	8		39.51	39.51	39.51
1110	11	1.0	22	82	8	6.3		53.18	53.18	53.18
1112	11	1.25	22	82	8	6.3		54.06	54.06	54.06
1210	12	1.0	24	84	9	7.1		95.05	95.05	95.05
1212	12	1.25	24	84	9	7.1		57.91	57.91	57.91
1215	12	1.5	24	84	9	7.1		55.10	55.10	55.10
1310	13	1.0	29	89	9	7.1		70.81	70.81	70.81
1312	13	1.25	29	89	9	7.1		63.90	63.90	63.90
1315	13	1.5	29	89	9	7.1		66.93	66.93	66.93
1317	13	1.75	29	89	9	7.1		63.90	63.90	63.90
1410	14	1.0	25	90	11.2	9		77.09	77.09	77.09
1412	14	1.25	25	90	11.2	9		65.70	65.70	65.70
1415	14	1.5	25	90	11.2	9		63.92	63.92	63.92
1510	15	1.0	30	95	11.2	9		83.89	83.89	83.89
1515	15	1.5	30	95	11.2	9		79.01	79.01	79.01
1520	15	2.0	30	95	11.2	9		79.01	79.01	79.01
1610	16	1.0	32	102	12.5	10		77.30	77.30	77.30
1615	16	1.5	32	102	12.5	10		77.30	77.30	77.30
1810	18	1.0	37	112	14	11.2		117.62	117.62	117.62
1815	18	1.5	37	112	14	11.2		117.62	117.62	117.62
1820	18	2.0	37	112	14	11.2		125.65	125.65	125.65
2010	20	1.0	37	112	14	11.2		130.58	130.58	130.58
2015	20	1.5	37	112	14	11.2		134.58	134.58	134.58
2020	20	2.0	37	112	14	11.2		137.63	137.63	137.63

SPECIAL THREAD REPAIR TAPS FOR COIL INSTALLATION

CAPITAL

CUTTING TOOLS



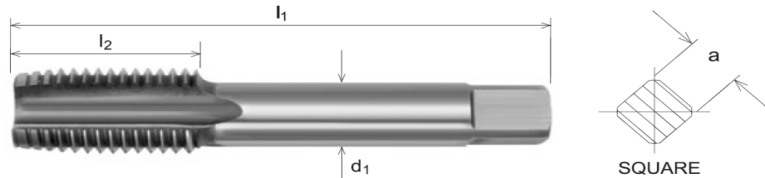
THREAD INSERT TAPS - METRIC HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom	
							Code Prefix	Code Prefix	Code Prefix	
							TI124-	TI125-	TI126-	
							\$ ea.	\$ ea.	\$ ea.	
2210	22	1.0	38	118	16	12.5		147.47	147.47	147.47
2215	22	1.5	38	118	16	12.5		147.47	147.47	147.47
2220	22	2.0	38	118	16	12.5		147.47	147.47	147.47
2410	24	1.0	45	130	18	14		180.20	180.20	180.20
2415	24	1.5	45	130	18	14		180.20	180.20	180.20
2420	24	2.0	45	130	18	14		180.20	180.20	180.20
2510	25	1.0	45	130	18	14		212.08	212.08	212.08
2515	25	1.5	45	130	18	14		212.08	212.08	212.08
2610	26	1.0	48	138	20	16		226.02	226.02	226.02
2615	26	1.5	48	138	20	16		226.02	226.02	226.02
2710	27	1.0	48	138	20	16		253.67	253.67	253.67
2715	27	1.5	48	138	20	16		253.67	253.67	253.67
2720	27	2.0	48	138	20	16		256.24	256.24	256.24
3010	30	1.0	48	138	20	16		264.85	264.85	264.85
3015	30	1.5	48	138	20	16		264.85	264.85	264.85
3020	30	2.0	48	138	20	16		264.85	264.85	264.85
3310	33	1.0	51	151	22.4	18		274.32	274.32	274.32
3315	33	1.5	51	151	22.4	18		274.32	274.32	274.32
3320	33	2.0	51	151	22.4	18		274.32	274.32	274.32
3330	33	3.0	51	151	22.4	18		274.32	274.32	274.32
3610	36	1.0	57	162	25	20		315.61	315.61	315.61
3615	36	1.5	57	162	25	20		315.61	315.61	315.61
3620	36	2.0	57	162	25	20		316.83	316.83	316.83
3630	36	3.0	57	162	25	20		318.88	318.88	318.88
3920	39	2.0	60	170	28	22.4		355.06	355.06	355.06
3930	39	3.0	60	170	28	22.4		355.06	355.06	355.06
4220	42	2.0	60	170	28	22.4		412.64	412.64	412.64
4230	42	3.0	60	170	28	22.4		412.64	412.64	412.64
4240	42	4.0	60	170	28	22.4		412.64	412.64	412.64

SPECIAL THREAD REPAIR TAPS FOR COIL INSTALLATION

CAPITAL

CUTTING TOOLS



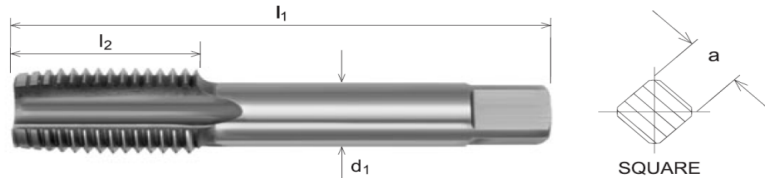
THREAD INSERT TAPS - UNC HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom
							Code Prefix	Code Prefix	Code Prefix
							T1204-	T1205-	T1206-
							\$ ea.	\$ ea.	\$ ea.
0440	4	40	11	48	3.15	2.5	30.66	30.66	30.66
0540	5	40	11	48	3.15	2.5	33.84	33.84	33.84
0632	6	32	13	50	3.55	2.8	27.71	27.71	27.71
0832	8	32	13	53	4.5	3.55	29.49	29.49	29.49
1024	10	24	16	58	5	4	29.93	29.93	29.93
1224	12	24	17	62	5.6	4.5	31.39	31.39	31.39
2820	1/4	20	19	66	6.3	5	30.07	30.07	30.07
3018	5/16	18	22	72	8	6.3	32.45	32.45	32.45
3216	3/8	16	24	80	10	8	35.88	35.88	35.88
3414	7/16	14	25	85	8	6.3	47.21	47.21	47.21
3613	1/2	13	29	89	9	7.1	53.09	53.09	53.09
3812	9/16	12	30	95	11.2	9	63.90	63.90	63.90
4011	5/8	11	32	102	12.5	10	72.45	72.45	72.45
4211	11/16	11	30	112	14	11.2	143.82	143.82	143.82
4410	3/4	10	37	112	14	11.2	115.57	115.57	115.57
4809	7/8	9	38	118	16	12.5	144.90	144.90	144.90
5208	1"	8	45	130	18	14	217.96	217.96	217.96
5407	1.1/8	7	48	138	20	16	253.58	253.58	253.58
5607	1.1/4	7	51	151	22.4	18	274.51	274.51	274.51
5806	1.3/8	6	57	162	25	20	306.85	306.85	306.85
6006	1.1/2	6	60	170	28	22.4	358.23	358.23	358.23

SPECIAL THREAD REPAIR TAPS FOR COIL INSTALLATION

CAPITAL

CUTTING TOOLS



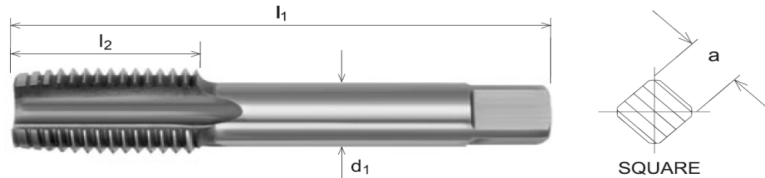
THREAD INSERT TAPS - UNF HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom
							Code Prefix	Code Prefix	Code Prefix
							TI224-	TI225-	TI226-
							\$ ea.	\$ ea.	\$ ea.
0448	4	48	11	48	3.15	2.5	30.66	30.66	30.66
0544	5	44	11	48	3.15	2.5	33.84	33.84	33.84
0640	6	40	13	50	3.55	2.8	27.71	27.71	27.71
0836	8	36	13	53	4.5	3.55	29.49	29.49	29.49
1032	10	32	16	58	5	4	29.93	29.93	29.93
1228	12	28	17	62	5.6	4.5	31.39	31.39	31.39
2828	1/4	28	19	66	6.3	5	30.07	30.07	30.07
3024	5/16	24	22	72	8	6.3	32.45	32.45	32.45
3224	3/8	24	24	80	10	8	35.88	35.88	35.88
3420	7/16	20	25	85	8	6.3	47.21	47.21	47.21
3620	1/2	20	29	89	9	7.1	53.09	53.09	53.09
3818	9/16	18	30	95	11.2	9	63.90	63.90	63.90
4018	5/8	18	32	102	12.5	10	72.45	72.45	72.45
4416	3/4	16	37	112	14	11.2	115.57	115.57	115.57
4814	7/8	14	38	118	16	12.5	144.90	144.90	144.90
5212	1"	12	45	130	18	14	217.96	217.96	217.96
5214	1" UNS	14	45	130	18	14	230.13	230.13	230.13
5412	1.1/8	12	48	138	20	16	253.58	253.58	253.58
5612	1.1/4	12	51	151	22.4	18	274.51	274.51	274.51
5812	1.3/8	12	57	162	25	20	306.85	306.85	306.85
6012	1.1/2	12	60	170	28	22.4	358.23	358.23	358.23

SPECIAL THREAD REPAIR TAPS FOR COIL INSTALLATION

CAPITAL

CUTTING TOOLS



THREAD INSERT TAPS - UNEF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom
							Code Prefix	Code Prefix	Code Prefix
							TI244-	TI245-	TI246-
							\$ ea.	\$ ea.	\$ ea.
2832	1/4	32	19	66	6.3	5	49.09	49.09	49.09
3032	5/16	32	22	72	8	6.3	43.74	43.74	43.74
3232	3/8	32	24	80	10	8	47.16	47.16	47.16
3428	7/16	28	25	85	8	6.3	58.49	58.49	58.49
3628	1/2	28	29	89	9	7.1	64.38	64.38	64.38
3824	9/16	24	30	95	11.2	9	80.02	80.02	80.02
4024	5/8	24	32	102	12.5	10	88.57	88.57	88.57
4420	3/4	20	37	112	14	11.2	134.91	134.91	134.91
4820	7/8	20	38	118	16	12.5	164.25	164.25	164.25
5220	1"	20	45	130	18	14	196.32	196.32	196.32

THREAD INSERT TAPS - UN 8 SERIES

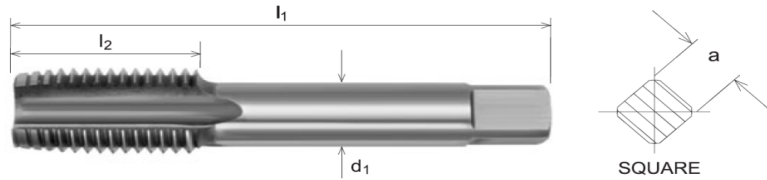
HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom
							Code Prefix	Code Prefix	Code Prefix
							TI264-	TI265-	TI266-
							\$ ea.	\$ ea.	\$ ea.
5408	1.1/8	8	48	138	20	16	253.63	253.63	253.63
5608	1.1/4	8	51	151	22.4	18	274.34	274.34	274.34
5808	1.3/8	8	57	162	25	20	306.59	306.59	306.59
6008	1.1/2	8	60	170	28	22.4	355.25	355.25	355.25
6208	1.5/8	8	60	170	28	22.4	373.45	373.45	373.45
6408	1.3/4	8	67	187	31.5	25	412.64	412.64	412.64
6608	1.7/8	8	67	187	31.5	25	442.75	442.75	442.75
6808	2"	8	70	200	35.5	28	488.67	488.67	488.67

SPECIAL THREAD REPAIR TAPS FOR COIL INSTALLATION

CAPITAL

CUTTING TOOLS



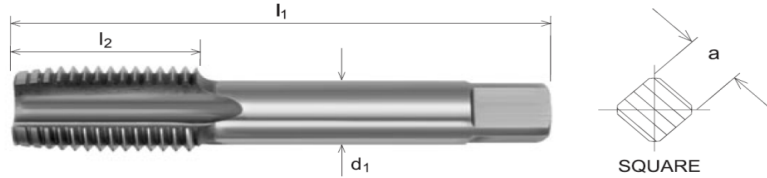
THREAD INSERT TAPS - BSW HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom
							Code Prefix	Code Prefix	Code Prefix
							TI304-	TI305-	TI306-
							\$ ea.	\$ ea.	\$ ea.
2440	1/8	40	11	48	3.15	2.5	49.09	49.09	49.09
2624	3/16	24	16	58	5	4	33.81	33.81	33.81
2820	1/4	20	19	66	6.3	5	33.00	33.00	33.00
3018	5/16	18	22	72	8	6.3	33.82	33.82	33.82
3216	3/8	16	24	80	10	8	39.31	39.31	39.31
3414	7/16	14	25	85	8	6.3	52.06	52.06	52.06
3612	1/2	12	29	89	9	7.1	57.03	57.03	57.03
3812	9/16	12	30	95	11.2	9	73.79	73.79	73.79
4011	5/8	11	32	102	12.5	10	85.20	85.20	85.20
4410	3/4	10	37	112	14	11.2	120.72	120.72	120.72
4809	7/8	9	38	118	16	12.5	155.11	155.11	155.11
5208	1"	8	45	130	18	14	212.08	212.08	212.08
5407	1.1/8	7	48	138	20	16	253.63	253.63	253.63
5607	1.1/4	7	51	151	22.4	18	274.34	274.34	274.34
5806	1.3/8	6	57	162	25	20	306.59	306.59	306.59
6006	1.1/2	6	60	170	28	22.4	355.22	355.22	355.22

SPECIAL THREAD REPAIR TAPS FOR COIL INSTALLATION

CAPITAL

CUTTING TOOLS



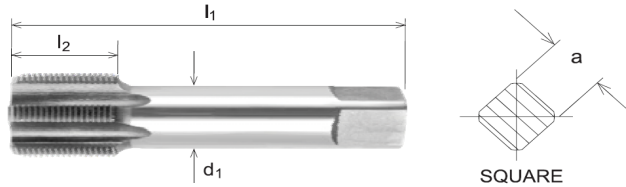
THREAD INSERT TAPS - BSF HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom
							Code Prefix	Code Prefix	Code Prefix
							TI324-	TI325-	TI326-
							\$ ea.	\$ ea.	\$ ea.
2632	3/16	32	16	58	5	4	44.27	44.27	44.27
2826	1/4	26	19	66	6.3	5	43.80	43.80	43.80
3022	5/16	22	22	72	8	6.3	46.37	46.37	46.37
3220	3/8	20	24	80	10	8	54.06	54.06	54.06
3418	7/16	18	25	85	8	6.3	73.62	73.62	73.62
3616	1/2	16	29	89	9	7.1	77.39	77.39	77.39
3816	9/16	16	30	95	11.2	9	88.63	88.63	88.63
4014	5/8	14	32	102	12.5	10	110.05	110.05	110.05
4412	3/4	12	37	112	14	11.2	160.41	160.41	160.41
4811	7/8	11	42	124	18	14	181.89	181.89	181.89
5210	1"	10	45	130	18	14	212.08	212.08	212.08
5609	1.1/4	9	51	151	22.4	18	274.32	274.32	274.32

SPECIAL THREAD REPAIR TAPS FOR COIL INSTALLATION

CAPITAL

CUTTING TOOLS



THREAD INSERT TAPS - BSP HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom
							Code Prefix	Code Prefix	Code Prefix
							TI404-	TI405-	TI406-
							\$ ea.	\$ ea.	\$ ea.
2428	1/8	28	15	59	8	6.3	68.82	68.82	68.82
2819	1/4	19	19	67	10	8	91.77	91.77	91.77
3219	3/8	19	21	75	12.5	10	122.90	122.90	122.90
3614	1/2	14	26	87	16	12.5	183.53	183.53	183.53
4014	5/8	14	26	91	18	14	216.29	216.29	216.29
4414	3/4	14	28	96	20	16	231.94	231.94	231.94
5211	1"	11	33	109	25	20	294.03	294.03	294.03

THREAD INSERT TAPS - NPT HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom
							Code Prefix	Code Prefix	Code Prefix
							TI624-	TI625-	TI626-
							\$ ea.	\$ ea.	\$ ea.
2427	1/8	27	15	59	8	6.3	122.49	122.49	122.49
2818	1/4	18	19	67	10	8	149.28	149.28	149.28
3218	3/8	18	21	75	12.5	10	182.86	182.86	182.86
3614	1/2	14	26	87	16	12.5	207.15	207.15	207.15
4414	3/4	14	28	96	20	16	278.11	278.11	278.11
5211	1"	11.5	33	109	25	20	367.53	367.53	367.53

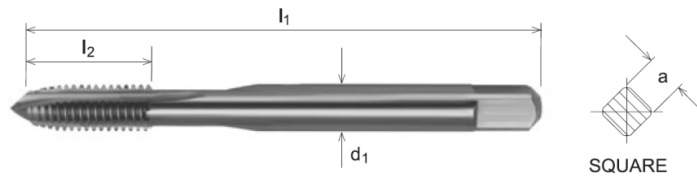
THREAD INSERT TAPS - BA HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l ₂	l ₁	d ₁	a	Taper	Inter	Bottom
							Code Prefix	Code Prefix	Code Prefix
							TI504-	TI505-	TI506-
							\$ ea.	\$ ea.	\$ ea.
0231	2	31.36	16	58	5	4	58.99	58.99	58.99
0438	4	38.46	13	50	3.55	2.8	61.00	61.00	61.00
0647	6	47.85	9.5	44.5	2.8	2.24	63.95	63.95	63.95
0025	0	25.38	19	66	6.3	5	66.11	66.11	66.11

SPECIAL THREAD REPAIR TAPS FOR COIL INSTALLATION

CAPITAL

CUTTING TOOLS



THREAD INSERT GUN NOSE TAPS - METRIC

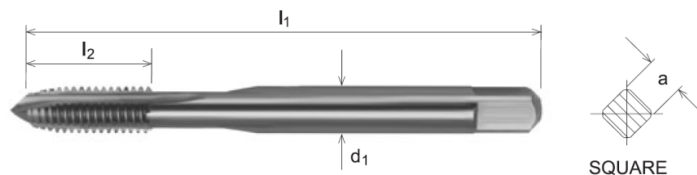
HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	\$ ea.
TI108-0251	2.5	0.45	9.5	44.5	2.8	2.24	38.64
TI108-0305	3.0	0.5	11	48	3.15	2.5	40.01
TI108-0356	3.5	0.6	13	50	3.55	2.8	36.51
TI108-0402	4.0	0.7	13	53	4	3.15	35.01
TI108-0508	5.0	0.8	16	58	5	4	35.01
TI108-0610	6.0	1.0	19	66	6.3	5	37.37
TI108-0710	7.0	1.0	19	66	7.1	5.6	38.67
TI108-0810	8.0	1.0	22	72	8	6.3	38.67
TI108-0812	8.0	1.25	22	72	8	6.3	40.23
TI108-0912	9.0	1.25	22	72	9	7.1	48.38
TI108-1012	10	1.25	24	80	10	8	48.38
TI108-1015	10	1.5	24	80	10	8	45.02
TI108-1115	11	1.5	25	85	8	6.3	68.83
TI108-1215	12	1.5	29	89	9	7.1	68.83
TI108-1217	12	1.75	29	89	9	7.1	63.90
TI108-1415	14	1.5	30	95	11.2	9	90.03
TI108-1420	14	2.0	30	95	11.2	9	78.67
TI108-1615	16	1.5	32	102	12.5	10	100.04
TI108-1620	16	2.0	32	102	12.5	10	87.46
TI108-1825	18	2.5	37	112	14	11.2	158.54
TI108-2025	20	2.5	37	112	14	11.2	160.11
TI108-2225	22	2.5	38	118	16	12.5	183.58
TI108-2430	24	3.0	45	130	18	14	183.58
TI108-2730	27	3.0	45	135	20	16	225.47
TI108-3035	30	3.5	48	138	20	16	260.01
TI108-3335	33	3.5	51	151	22.4	18	300.72
TI108-3640	36	4.0	57	162	25	20	343.31
TI108-3940	39	4.0	60	170	28	22.4	373.66
TI108-4245	42	4.5	60	170	28	22.4	413.28
TI108-4545	45	4.5	67	187	31.5	25	481.37
TI108-4850	48	5.0	67	187	31.5	25	513.50

SPECIAL THREAD REPAIR TAPS FOR COIL INSTALLATION

CAPITAL

CUTTING TOOLS



THREAD INSERT GUN NOSE TAPS - UNC

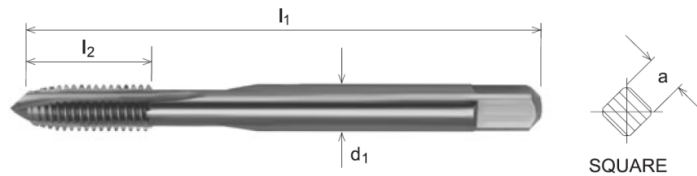
HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
TI208-0440	4	40	11	48	3.15	2.5	38.26
TI208-0540	5	40	11	48	3.15	2.5	38.67
TI208-0632	6	32	13	50	3.55	2.8	34.42
TI208-0832	8	32	13	53	4.5	3.55	34.42
TI208-1024	10	24	16	58	5	4	35.24
TI208-1224	12	24	17	62	5.6	4.5	38.70
TI208-2820	1/4	20	19	66	6.3	5	38.69
TI208-3018	5/16	18	22	72	8	6.3	38.64
TI208-3216	3/8	16	24	80	10	8	45.87
TI208-3414	7/16	14	25	85	8	6.3	59.22
TI208-3613	1/2	13	29	89	9	7.1	66.11
TI208-4011	5/8	11	32	102	12.5	10	88.63
TI208-4410	3/4	10	37	112	14	11.2	140.01
TI208-4809	7/8	9	38	118	16	12.5	176.06
TI208-5208	1"	8	45	130	18	14	229.37

SPECIAL THREAD REPAIR TAPS FOR COIL INSTALLATION

CAPITAL

CUTTING TOOLS



THREAD INSERT GUN NOSE TAPS - UNF

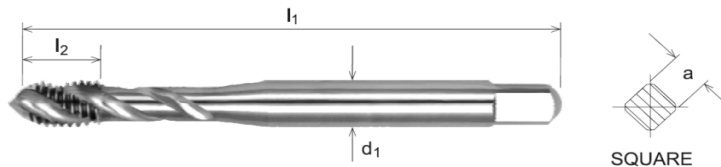
HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
TI228-0448	4	48	11	48	3.15	2.5	56.83
TI228-0544	5	44	11	48	3.15	2.5	57.79
TI228-0640	6	40	13	50	3.55	2.8	58.99
TI228-0836	8	36	13	53	4.5	3.55	58.99
TI228-1032	10	32	16	58	5	4	34.42
TI228-1228	12	28	17	62	5.6	4.5	38.63
TI228-2828	1/4	28	19	66	6.3	5	38.69
TI228-3024	5/16	24	22	72	8	6.3	38.64
TI228-3224	3/8	24	24	80	10	8	45.87
TI228-3420	7/16	20	25	85	8	6.3	59.22
TI228-3620	1/2	20	29	89	9	7.1	66.11
TI228-4018	5/8	18	32	102	12.5	10	88.63
TI228-4416	3/4	16	37	112	14	11.2	140.01
TI228-4814	7/8	14	38	118	16	12.5	176.06
TI228-5212	1"	12	45	130	18	14	229.37

SPECIAL THREAD REPAIR TAPS FOR COIL INSTALLATION

CAPITAL

CUTTING TOOLS



THREAD INSERT SPIRAL FLUTE TAPS - METRIC

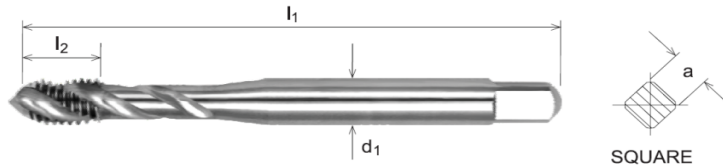
HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	l_2	l_1	d_1	a	\$ ea.
TI109-0251	2.5	0.45	9.5	44.5	2.8	2.24	38.64
TI109-0305	3.0	0.5	11	48	3.15	2.5	40.01
TI109-0356	3.5	0.6	13	50	3.55	2.8	36.51
TI109-0402	4.0	0.7	13	53	4	3.15	35.01
TI109-0508	5.0	0.8	16	58	5	4	35.01
TI109-0610	6.0	1.0	19	66	6.3	5	37.37
TI109-0710	7.0	1.0	19	66	7.1	5.6	38.67
TI109-0810	8.0	1.0	22	72	8	6.3	38.67
TI109-0812	8.0	1.25	22	72	8	6.3	40.23
TI109-0912	9.0	1.25	22	72	9	7.1	48.38
TI109-1012	10	1.25	24	80	10	8	48.38
TI109-1015	10	1.5	24	80	10	8	45.02
TI109-1115	11	1.5	25	85	8	6.3	68.83
TI109-1215	12	1.5	29	89	9	7.1	68.83
TI109-1217	12	1.75	29	89	9	7.1	63.90
TI109-1415	14	1.5	30	95	11.2	9	90.03
TI109-1420	14	2.0	30	95	11.2	9	78.67
TI109-1615	16	1.5	32	102	12.5	10	100.04
TI109-1620	16	2.0	32	102	12.5	10	87.46
TI109-1825	18	2.5	37	112	14	11.2	158.54
TI109-2025	20	2.5	37	112	14	11.2	160.11
TI109-2225	22	2.5	38	118	16	12.5	183.58
TI109-2430	24	3.0	45	130	18	14	183.58
TI109-2730	27	3.0	45	135	20	16	225.47
TI109-3035	30	3.5	48	138	20	16	260.01
TI109-3335	33	3.5	51	151	22.4	18	300.72
TI109-3640	36	4.0	57	162	25	20	343.31
TI109-3940	39	4.0	60	170	28	22.4	373.66
TI109-4245	42	4.5	60	170	28	22.4	413.28
TI109-4545	45	4.5	67	187	31.5	25	481.37
TI109-4850	48	5.0	67	187	31.5	25	513.50

SPECIAL THREAD REPAIR TAPS FOR COIL INSTALLATION

CAPITAL

CUTTING TOOLS



THREAD INSERT SPIRAL FLUTE TAPS - UNC

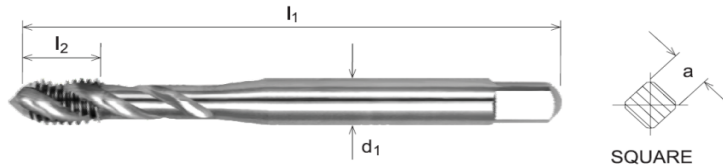
HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
TI209-0440	4	40	11	48	3.15	2.5	38.26
TI209-0540	5	40	11	48	3.15	2.5	38.67
TI209-0632	6	32	13	50	3.55	2.8	34.42
TI209-0832	8	32	13	53	4.5	3.55	34.42
TI209-1024	10	24	16	58	5	4	35.24
TI209-1224	12	24	17	62	5.6	4.5	38.70
TI209-2820	1/4	20	19	66	6.3	5	38.69
TI209-3018	5/16	18	22	72	8	6.3	38.64
TI209-3216	3/8	16	24	80	10	8	45.87
TI209-3414	7/16	14	25	85	8	6.3	59.22
TI209-3613	1/2	13	29	89	9	7.1	66.11
TI209-4011	5/8	11	32	102	12.5	10	88.63
TI209-4410	3/4	10	37	112	14	11.2	140.01
TI209-4809	7/8	9	38	118	16	12.5	176.06
TI209-5208	1"	8	45	130	18	14	229.37

SPECIAL THREAD REPAIR TAPS FOR COIL INSTALLATION

CAPITAL

CUTTING TOOLS



THREAD INSERT SPIRAL FLUTE TAPS - UNF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	l_2	l_1	d_1	a	\$ ea.
TI229-0448	4	48	11	48	3.15	2.5	56.83
TI229-0544	5	44	11	48	3.15	2.5	57.79
TI229-0640	6	40	13	50	3.55	2.8	58.99
TI229-0836	8	36	13	53	4.5	3.55	58.99
TI229-1032	10	32	16	58	5	4	34.42
TI229-1228	12	28	17	62	5.6	4.5	38.63
TI229-2828	1/4	28	19	66	6.3	5	38.69
TI229-3024	5/16	24	22	72	8	6.3	38.64
TI229-3224	3/8	24	24	80	10	8	45.87
TI229-3420	7/16	20	25	85	8	6.3	59.22
TI229-3620	1/2	20	29	89	9	7.1	66.11
TI229-4018	5/8	18	32	102	12.5	10	88.63
TI229-4416	3/4	16	37	112	14	11.2	140.01
TI229-4814	7/8	14	38	118	16	12.5	176.06
TI229-5212	1"	12	45	130	18	14	229.37

SPECIAL THREAD REPAIR TAPS FOR COIL INSTALLATION



BUTTON DIES - METRIC COARSE

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	Pitch	\$ ea.	Code	O/D	Size	Pitch	\$ ea.
BDB100-0204	1"	2	0.4	65.91	BDD100-1115	1.1/2	11	1.5	68.93
BDB100-0202	1"	2.2	0.45	65.91	BDD100-1217	1.1/2	12	1.75	53.61
BDB100-0251	1"	2.5	0.45	27.57	BDD100-1420	1.1/2	14	2.0	53.61
BDB100-0305	1"	3	0.5	27.57	BDD100-1620	1.1/2	16	2.0	68.93
BDB100-0356	1"	3.5	0.6	65.91	BDE100-1217	2"	12	1.75	76.59
BDB100-0402	1"	4	0.7	27.57	BDE100-1420	2"	14	2.0	76.59
BDB100-0457	1"	4.5	0.75	32.17	BDE100-1620	2"	16	2.0	76.59
BDB100-0508	1"	5	0.8	27.57	BDE100-1825	2"	18	2.5	76.59
BDB100-0610	1"	6	1.0	27.57	BDE100-2025	2"	20	2.5	76.59
BDB100-0710	1"	7	1.0	33.70	BDE100-2225	2"	22	2.5	88.85
BDB100-0812	1"	8	1.25	27.57	BDE100-2430	2"	24	3.0	88.85
BDB100-0912	1"	9	1.25	33.70	BDG100-2730	3"	27	3.0	199.14
BDB100-1015	1"	10	1.5	27.57	BDG100-3035	3"	30	3.5	199.14
BDB100-1217	1"	12	1.75	27.57	BDG100-3335	3"	33	3.5	199.14
BDD100-0610	1.1/2	6	1.0	52.08	BDG100-3640	3"	36	4.0	199.14
BDD100-0710	1.1/2	7	1.0	84.09	BDG100-3940	3"	39	4.0	199.14
BDD100-0812	1.1/2	8	1.25	52.08	BDH100-4245	4"	42	4.5	380.13
BDD100-0912	1.1/2	9	1.25	84.09	BDH100-4545	4"	45	4.5	380.13
BDD100-1015	1.1/2	10	1.5	52.08	BDH100-4850	4"	48	5.0	380.13



BUTTON DIES - METRIC COARSE **LEFT HAND**

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	Pitch	\$ ea.	Code	O/D	Size	Pitch	\$ ea.
BDB110-0305	1"	3	0.5	87.10	BDD110-1620	1.1/2	16	2.0	104.16
BDB110-0402	1"	4	0.7	87.10	BDE110-1825	2"	18	2.5	134.80
BDB110-0508	1"	5	0.8	87.10	BDE110-2025	2"	20	2.5	134.80
BDB110-0610	1"	6	1.0	87.10	BDE110-2225	2"	22	2.5	152.17
BDB110-0812	1"	8	1.25	87.10	BDE110-2430	2"	24	3.0	134.80
BDB110-1015	1"	10	1.5	87.10	BDE110-2730	2"	27	3.0	134.80
BDB110-1217	1"	12	1.75	87.10	BDG110-3035	3"	30	3.5	378.19
BDD110-1217	1.1/2	12	1.75	104.16	BDG110-3335	3"	33	3.5	378.19
BDD110-1420	1.1/2	14	2.0	104.16	BDG110-3640	3"	36	4.0	378.19

BUTTON DIES - METRIC COARSE OVERSIZE

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	Pitch	O/S	\$ ea.
BDB146-1015	1"	10	1.5	+ 0.4	109.28
BDD146-1217	1.1/2	12	1.75	+ 0.4	115.50
BDD146-1420	1.1/2	14	2.0	+ 0.4	136.99
BDD146-1620	1.1/2	16	2.0	+ 0.4	145.71
BDE146-1825	2"	18	2.5	+ 0.4	164.22
BDE146-2025	2"	20	2.5	+ 0.4	172.51
BDE146-2225	2"	22	2.5	+ 0.4	212.41
BDE146-2430	2"	24	3.0	+ 0.4	232.11

CAPITAL

CUTTING TOOLS



BUTTON DIES - METRIC

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	Pitch	\$ ea.	Code	O/D	Size	Pitch	\$ ea.
BDB100-0204	1"	2.0	0.4	65.91	BDB120-1007	1"	10	0.75	61.27
BDB100-0202	1"	2.2	0.45	65.91	BDB120-1010	1"	10	1.0	61.27
BDB100-0251	1"	2.5	0.45	27.57	BDB120-1012	1"	10	1.25	61.27
BDB120-0303	1"	3.0	0.35	76.59	BDB100-1015	1"	10	1.5	27.57
BDB100-0305	1"	3.0	0.5	27.57	BDB120-1107	1"	11	0.75	76.59
BDB100-0356	1"	3.5	0.6	65.91	BDB120-1110	1"	11	1.0	76.59
BDB120-0405	1"	4.0	0.5	61.27	BDB120-1112	1"	11	1.25	65.87
BDB100-0402	1"	4.0	0.7	27.57	BDB100-1115	1"	11	1.5	40.30
BDB120-0455	1"	4.5	0.5	32.17	BDB120-1207	1"	12	0.75	65.87
BDB100-0457	1"	4.5	0.75	65.91	BDB120-1210	1"	12	1.0	76.59
BDB120-0505	1"	5.0	0.5	61.27	BDB120-1212	1"	12	1.25	61.27
BDB120-0507	1"	5.0	0.75	76.59	BDB120-1215	1"	12	1.5	61.27
BDB100-0508	1"	5.0	0.8	27.57	BDB100-1217	1"	12	1.75	27.57
BDB120-0510	1"	5.0	1.0	61.27	BDB120-1307	1"	13	0.75	76.59
BDB120-0605	1"	6.0	0.5	61.27	BDB120-1310	1"	13	1.0	76.59
BDB120-0607	1"	6.0	0.75	61.27	BDB120-1312	1"	13	1.25	76.59
BDB100-0610	1"	6.0	1.0	27.57	BDB120-1315	1"	13	1.5	76.59
BDB120-0612	1"	6.0	1.25	61.27	BDD100-0610	1.1/2	6.0	1.0	52.08
BDB120-0705	1"	7.0	0.5	76.59	BDD120-0612	1.1/2	6.0	1.25	85.26
BDB120-0707	1"	7.0	0.75	61.27	BDD100-0710	1.1/2	7.0	1.0	84.09
BDB100-0710	1"	7.0	1.0	33.70	BDD120-0712	1.1/2	7.0	1.25	85.26
BDB120-0712	1"	7.0	1.25	76.59	BDD120-0810	1.1/2	8.0	1.0	85.26
BDB120-0805	1"	8.0	0.5	76.59	BDD100-0812	1.1/2	8.0	1.25	52.08
BDB120-0807	1"	8.0	0.75	61.27	BDD120-0815	1.1/2	8.0	1.5	85.26
BDB120-0810	1"	8.0	1.0	61.27	BDD120-0910	1.1/2	9.0	1.0	73.53
BDB100-0812	1"	8.0	1.25	27.57	BDD100-0912	1.1/2	9.0	1.25	84.09
BDB120-0815	1"	8.0	1.5	76.59	BDD120-0915	1.1/2	9.0	1.5	85.26
BDB120-0905	1"	9.0	0.5	76.59	BDD120-1010	1.1/2	10	1.0	73.53
BDB120-0907	1"	9.0	0.75	61.27	BDD120-1012	1.1/2	10	1.25	70.46
BDB120-0910	1"	9.0	1.0	61.27	BDD100-1015	1.1/2	10	1.5	52.08
BDB100-0912	1"	9.0	1.25	40.30	BDD120-1110	1.1/2	11	1.0	85.25
BDB120-0915	1"	9.0	1.5	61.27	BDD120-1112	1.1/2	11	1.25	85.26

CAPITAL

CUTTING TOOLS



BUTTON DIES - METRIC

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	Pitch	\$ ea.	Code	O/D	Size	Pitch	\$ ea.
BDD100-1115	1.1/2	11	1.5	68.96	BDD120-1910	1.1/2	19	1.0	85.26
BDD120-1210	1.1/2	12	1.0	85.25	BDD120-1912	1.1/2	19	1.25	85.26
BDD120-1212	1.1/2	12	1.25	70.46	BDD120-1915	1.1/2	19	1.5	85.26
BDD120-1215	1.1/2	12	1.5	70.46	BDD120-2010	1.1/2	20	1.0	73.53
BDD100-1217	1.1/2	12	1.75	53.61	BDD120-2012	1.1/2	20	1.25	73.53
BDD120-1220	1.1/2	12	2.0	85.26	BDD120-2015	1.1/2	20	1.5	70.46
BDD120-1307	1.1/2	13	0.75	85.26	BDD120-2020	1.1/2	20	2.0	73.53
BDD120-1310	1.1/2	13	1.0	85.26	BDD100-2025	1.1/2	20	2.5	84.09
BDD120-1312	1.1/2	13	1.25	85.26	BDD100-2110	1.1/2	21	1.0	85.26
BDD120-1315	1.1/2	13	1.5	85.26	BDD100-2210	1.1/2	22	1.0	85.26
BDD120-1407	1.1/2	14	0.75	85.26	BDE120-1210	2"	12	1.0	142.17
BDD120-1410	1.1/2	14	1.0	73.53	BDE120-1215	2"	12	1.5	142.17
BDD120-1412	1.1/2	14	1.25	73.53	BDE100-1217	2"	12	1.75	76.59
BDD120-1415	1.1/2	14	1.5	70.46	BDE120-1410	2"	14	1.0	142.17
BDD120-1417	1.1/2	14	1.75	85.26	BDE120-1415	2"	14	1.5	142.17
BDD100-1420	1.1/2	14	2.0	53.61	BDE120-1417	2"	14	1.75	142.17
BDD120-1510	1.1/2	15	1.0	73.53	BDE100-1420	2"	14	2.0	76.59
BDD120-1512	1.1/2	15	1.25	85.26	BDE120-1610	2"	16	1.0	142.17
BDD120-1515	1.1/2	15	1.5	73.53	BDE120-1615	2"	16	1.5	142.17
BDD120-1610	1.1/2	16	1.0	73.53	BDE100-1620	2"	16	2.0	76.59
BDD120-1612	1.1/2	16	1.25	85.26	BDE120-1810	2"	18	1.0	142.17
BDD120-1615	1.1/2	16	1.5	70.46	BDE120-1815	2"	18	1.5	142.17
BDD100-1620	1.1/2	16	2.0	68.93	BDE120-1820	2"	18	2.0	142.17
BDD120-1710	1.1/2	17	1.0	73.53	BDE100-1825	2"	18	2.5	76.59
BDD120-1712	1.1/2	17	1.25	85.26	BDE120-2010	2"	20	1.0	142.17
BDD120-1715	1.1/2	17	1.5	73.53	BDE120-2012	2"	20	1.25	142.17
BDD120-1810	1.1/2	18	1.0	73.53	BDE120-2015	2"	20	1.5	119.48
BDD120-1812	1.1/2	18	1.25	73.53	BDE120-2020	2"	20	2.0	142.17
BDD120-1815	1.1/2	18	1.5	73.53	BDE100-2025	2"	20	2.5	76.59
BDD120-1817	1.1/2	18	1.75	85.26	BDE120-2110	2"	21	1.0	142.17
BDD120-1820	1.1/2	18	2.0	73.74	BDE120-2112	2"	21	1.25	142.17
BDD100-1825	1.1/2	18	2.5	84.09	BDE120-2115	2"	21	1.5	142.17

CAPITAL

CUTTING TOOLS



BUTTON DIES - METRIC

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	Pitch	\$ ea.	Code	O/D	Size	Pitch	\$ ea.
BDE120-2120	2"	21	2.0	142.17	BDG120-3010	3"	30	1.0	352.71
BDE120-2210	2"	22	1.0	125.61	BDG120-3015	3"	30	1.5	245.09
BDE120-2212	2"	22	1.25	142.17	BDG120-3020	3"	30	2.0	245.09
BDE120-2215	2"	22	1.5	119.48	BDG120-3030	3"	30	3.0	352.71
BDE120-2220	2"	22	2.0	125.61	BDG100-3035	3"	30	3.5	199.14
BDE100-2225	2"	22	2.5	88.85	BDG120-3210	3"	32	1.0	352.71
BDE120-2310	2"	23	1.0	142.17	BDG120-3215	3"	32	1.5	168.50
BDE120-2315	2"	23	1.5	142.17	BDG120-3220	3"	32	2.0	352.71
BDE120-2410	2"	24	1.0	142.17	BDG120-3310	3"	33	1.0	352.71
BDE120-2412	2"	24	1.25	142.17	BDG120-3315	3"	33	1.5	352.71
BDE120-2415	2"	24	1.5	125.61	BDG120-3320	3"	33	2.0	352.71
BDE120-2420	2"	24	2.0	119.48	BDG120-3330	3"	33	3.0	352.71
BDE120-2425	2"	24	2.5	142.17	BDG100-3335	3"	33	3.5	199.14
BDE100-2430	2"	24	3.0	88.85	BDG120-3510	3"	35	1.0	352.71
BDE120-2510	2"	25	1.0	142.17	BDG120-3610	3"	36	1.0	352.71
BDE120-2512	2"	25	1.25	142.17	BDG120-3615	3"	36	1.5	352.71
BDE120-2515	2"	25	1.5	119.48	BDG120-3620	3"	36	2.0	352.71
BDE120-2517	2"	25	1.75	142.17	BDG120-3630	3"	36	3.0	352.71
BDE120-2520	2"	25	2.0	142.17	BDG100-3640	3"	36	4.0	199.14
BDE120-2610	2"	26	1.0	142.17	BDG120-3810	3"	38	1.0	352.71
BDE120-2615	2"	26	1.5	125.61	BDG120-3815	3"	38	1.5	352.71
BDE120-2620	2"	26	2.0	142.17	BDG120-3910	3"	39	1.0	352.71
BDE120-2710	2"	27	1.0	142.17	BDG120-3915	3"	39	1.5	352.71
BDE120-2720	2"	27	2.0	125.61	BDG100-3940	3"	39	4.0	199.14
BDE120-2810	2"	28	1.0	142.17	BDG120-4010	3"	40	1.0	352.71
BDE120-3010	2"	30	1.0	142.17	BDG120-4015	3"	40	1.5	168.50
BDG100-2730	3"	27	3.0	199.14	BDH100-4245	4"	42	4.5	380.13
BDG120-2710	3"	27	1.0	352.71	BDH100-4545	4"	45	4.5	380.13
BDG120-2715	3"	27	1.5	352.71	BDH100-4850	4"	48	5.0	380.13
BDG120-2720	3"	27	2.0	244.62	BDH120-5015	4"	50	1.5	380.13



BUTTON DIES - METRIC LEFT HAND

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	Pitch	\$ ea.	Code	O/D	Size	Pitch	\$ ea.
BDB110-0305	1"	3.0	0.5	87.10	BDD130-1410	1.1/2	14	1.0	104.16
BDB130-0405	1"	4.0	0.5	87.10	BDD130-1412	1.1/2	14	1.25	98.04
BDB110-0402	1"	4.0	0.7	87.10	BDD130-1415	1.1/2	14	1.5	98.04
BDB130-0475	1"	4.0	0.75	100.11	BDD110-1420	1.1/2	14	2.0	117.85
BDB130-0505	1"	5.0	0.5	87.10	BDD130-1510	1.1/2	15	1.0	110.26
BDB110-0508	1"	5.0	0.8	87.10	BDD130-1515	1.1/2	15	1.5	110.26
BDB130-0605	1"	6.0	0.5	87.10	BDD130-1610	1.1/2	16	1.0	104.16
BDB130-0609	1"	6.0	0.9	100.11	BDD130-1615	1.1/2	16	1.5	98.04
BDB110-0610	1"	6.0	1.0	98.23	BDD110-1620	1.1/2	16	2.0	117.85
BDB130-0705	1"	7.0	0.5	100.11	BDE130-1810	2"	18	1.0	163.14
BDB110-0710	1"	7.0	1.0	98.23	BDE130-1815	2"	18	1.5	163.14
BDB130-0805	1"	8.0	0.5	100.11	BDE130-1820	2"	18	2.0	104.16
BDB130-0810	1"	8.0	1.0	100.11	BDE110-1825	2"	18	2.5	152.17
BDB110-0812	1"	8.0	1.25	98.23	BDE130-2010	2"	20	1.0	163.14
BDB130-0910	1"	9.0	1.0	100.11	BDE130-2015	2"	20	1.5	163.14
BDB110-0912	1"	9.0	1.25	98.23	BDE130-2020	2"	20	2.0	163.14
BDB130-0915	1"	9.0	1.5	100.11	BDE110-2025	2"	20	2.5	152.17
BDB130-1007	1"	10	0.75	100.11	BDE130-2215	2"	22	1.5	163.14
BDB130-1010	1"	10	1.0	84.25	BDE130-2220	2"	22	2.0	163.14
BDB130-1012	1"	10	1.25	84.25	BDE110-2225	2"	22	2.5	152.17
BDB110-1015	1"	10	1.5	98.23	BDE130-2415	2"	24	1.5	163.14
BDB130-1110	1"	11	1.0	100.12	BDE130-2420	2"	24	2.0	163.14
BDB110-1115	1"	11	1.5	98.23	BDE110-2430	2"	24	3.0	152.17
BDB130-1210	1"	12	1.0	84.25	BDE110-2730	2"	27	3.0	152.17
BDB130-1212	1"	12	1.25	84.25	BDG130-3020	3"	30	2.0	378.19
BDB130-1215	1"	12	1.5	84.25	BDG110-3035	3"	30	3.5	378.19
BDB110-1217	1"	12	1.75	98.23	BDG110-3335	3"	33	3.5	378.19
BDD110-1217	1.1/2	12	1.75	117.85	BDG110-3640	3"	36	4.0	378.19



BUTTON DIES - UNC

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	TPI	\$ ea.	Code	O/D	Size	TPI	\$ ea.
BDB200-0164	1"	1	64	61.06	BDD200-3414	1.1/2	7/16	14	66.60
BDB200-0256	1"	2	56	61.06	BDD200-3613	1.1/2	1/2	13	53.61
BDB200-0348	1"	3	48	48.03	BDD200-3812	1.1/2	9/16	12	53.61
BDB200-0440	1"	4	40	39.98	BDD200-4011	1.1/2	5/8	11	56.68
BDB200-0540	1"	5	40	39.98	BDD200-4410	1.1/2	3/4	10	68.93
BDB200-0632	1"	6	32	39.98	BDE200-3018	2"	5/16	18	68.93
BDB200-0832	1"	8	32	36.76	BDE200-3216	2"	3/8	16	85.26
BDB200-1024	1"	10	24	36.76	BDE200-3414	2"	7/16	14	85.26
BDB200-1224	1"	12	24	36.76	BDE200-3613	2"	1/2	13	68.93
BDB200-2820	1"	1/4	20	27.57	BDE200-3812	2"	9/16	12	85.26
BDB200-3018	1"	5/16	18	27.57	BDE200-4011	2"	5/8	11	85.26
BDB200-3216	1"	3/8	16	27.57	BDE200-4410	2"	3/4	10	68.93
BDB200-3414	1"	7/16	14	35.94	BDE200-4809	2"	7/8	9	88.85
BDB200-3613	1"	1/2	13	35.94	BDE200-5208	2"	1"	8	88.85
BDD200-0440	1.1/2	4	40	66.60	BDG200-5407	3"	1.1/8	7	229.77
BDD200-2820	1.1/2	1/4	20	66.60	BDG200-5607	3"	1.1/4	7	229.77
BDD200-3018	1.1/2	5/16	18	66.60	BDG200-5806	3"	1.3/8	6	229.77
BDD200-3216	1.1/2	3/8	16	66.60	BDG200-6006	3"	1.1/2	6	229.77

BUTTON DIES - UNC LEFT HAND

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	TPI	\$ ea.	Code	O/D	Size	TPI	\$ ea.
BDB210-2820	1"	1/4	20	79.65	BDD210-3613	1.1/2	1/2	13	104.16
BDB210-3018	1"	5/16	18	79.65	BDD210-3812	1.1/2	9/16	12	122.55
BDB210-3216	1"	3/8	16	79.65	BDD210-4011	1.1/2	5/8	11	104.16
BDD210-2820	1.1/2	1/4	20	117.85	BDE210-4410	2"	3/4	10	122.87
BDD210-3018	1.1/2	5/16	18	117.85	BDE210-4809	2"	7/8	9	174.10
BDD210-3216	1.1/2	3/8	16	104.16	BDE210-5208	2"	1"	8	174.10
BDD210-3414	1.1/2	7/16	14	122.55					

CAPITAL

CUTTING TOOLS



BUTTON DIES - UNF

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	TPI	\$ ea.	Code	O/D	Size	TPI	\$ ea.
BDB220-0080	1"	0	80	61.06	BDD220-4018	1.1/2	5/8	18	68.93
BDB220-0172	1"	1	72	61.06	BDD220-4416	1.1/2	3/4	16	68.93
BDB220-0264	1"	2	64	50.14	BDE220-3420	2"	7/16	20	85.24
BDB220-0356	1"	3	56	39.98	BDE220-3620	2"	1/2	20	70.43
BDB220-0448	1"	4	48	39.98	BDE220-3818	2"	9/16	18	70.43
BDB220-0544	1"	5	44	39.98	BDE220-4018	2"	5/8	18	70.43
BDB220-0640	1"	6	40	39.98	BDE220-4416	2"	3/4	16	70.43
BDB220-0836	1"	8	36	39.98	BDE220-4814	2"	7/8	14	88.85
BDB220-1032	1"	10	32	30.64	BDE220-5212	2"	1"	12	88.85
BDB220-1228	1"	12	28	30.64	BDE220-5214	2"	1" UNS	14	119.48
BDB220-2828	1"	1/4	28	27.57	BDG220-5312	3"	1.1/16	12	277.73
BDB220-3024	1"	5/16	24	27.57	BDG220-5412	3"	1.1/8	12	214.45
BDB220-3224	1"	3/8	24	27.57	BDG220-5512	3"	1.3/16	12	277.73
BDB220-3420	1"	7/16	20	35.23	BDG220-5612	3"	1.1/4	12	214.45
BDD220-2828	1.1/2	1/4	28	53.61	BDG220-5712	3"	1.5/16	12	277.73
BDD220-3024	1.1/2	5/16	24	53.61	BDG220-5812	3"	1.3/8	12	214.45
BDD220-3224	1.1/2	3/8	24	53.61	BDG220-6012	3"	1.1/2	12	283.39
BDD220-3420	1.1/2	7/16	20	53.61	BDG220-6212	3"	1.5/8	12	358.95
BDD220-3620	1.1/2	1/2	20	53.61	BDG220-6412	3"	1.3/4	12	283.39
BDD220-3818	1.1/2	9/16	18	53.61					

BUTTON DIES - UNF LEFT HAND

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	TPI	\$ ea.	Code	O/D	Size	TPI	\$ ea.
BDB230-1032	1"	10	32	79.65	BDD230-3420	1.1/2	7/16	20	122.55
BDB230-2828	1"	1/4	28	79.65	BDD230-3620	1.1/2	1/2	20	104.16
BDB230-3024	1"	5/16	24	79.65	BDD230-3818	1.1/2	9/16	18	122.55
BDB230-3224	1"	3/8	24	79.65	BDD230-4018	1.1/2	5/8	18	104.16
BDD230-2828	1.1/2	1/4	28	117.85	BDE230-4416	2"	3/4	16	134.80
BDD230-3024	1.1/2	5/16	24	117.85	BDE230-4814	2"	7/8	14	156.25
BDD230-3224	1.1/2	3/8	24	104.16	BDE230-5212	2"	1"	12	156.25

CAPITAL

CUTTING TOOLS



BUTTON DIES - UNEF

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	TPI	\$ ea.	Code	O/D	Size	TPI	\$ ea.
BDB240-1232	1"	12	32	58.21	BDD240-4024	1.1/2	5/8	24	81.19
BDB240-2832	1"	1/4	32	58.21	BDD240-4224	1.1/2	11/16	24	95.60
BDB240-3032	1"	5/16	32	58.21	BDE240-4420	2"	3/4	20	157.82
BDB240-3232	1"	3/8	32	58.21	BDE240-4620	2"	13/16	20	157.82
BDD240-3428	1.1/2	7/16	28	81.19	BDE240-4820	2"	7/8	20	137.86
BDD240-3628	1.1/2	1/2	28	81.19	BDE240-5020	2"	15/16	20	157.81
BDD240-3824	1.1/2	9/16	24	81.19	BDE240-5220	2"	1"	20	137.86

BUTTON DIES - UNS

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	TPI	\$ ea.	Code	O/D	Size	TPI	\$ ea.
BDB280-2824	1"	1/4	24	106.45	BDD280-4418	1.1/2	3/4	18	141.29
BDD280-3032	1"	.302	32	106.45	BDE280-4016	2"	5/8	16	178.07
BDD280-3416	1.1/2	7/16	18	141.29	BDE280-4424	2"	3/4	24	178.07
BDD280-3618	1.1/2	1/2	18	141.29	BDE280-4816	2"	7/8	16	178.07
BDD280-3624	1.1/2	1/2	24	141.29	BDE280-4818	2"	7/8	18	178.07
BDD280-4216	1.1/2	11/16	16	141.29	BDE280-5216	2"	1"	16	178.07
BDD280-4218	1.1/2	11/16	18	141.29	BDE280-5316	2"	1.1/16	16	178.07
BDD280-4224	1.1/2	11/16	24	141.29	BDG280-5720	3"	1.5/16	20	323.23

BUTTON DIES - BSW

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	TPI	\$ ea.	Code	O/D	Size	TPI	\$ ea.
BDB300-2440	1"	1/8	40	39.98	BDD300-4011	1.1/2	5/8	11	61.27
BDB300-2532	1"	5/32	32	54.10	BDD300-4410	1.1/2	3/4	10	61.27
BDB300-2624	1"	3/16	24	39.98	BDE300-3612	2"	1/2	12	68.93
BDB300-2724	1"	7/32	24	54.10	BDE300-3812	2"	9/16	12	68.93
BDB300-2820	1"	1/4	20	27.57	BDE300-4011	2"	5/8	11	68.93
BDB300-3018	1"	5/16	18	27.57	BDE300-4410	2"	3/4	10	68.93
BDB300-3216	1"	3/8	16	27.57	BDE300-4809	2"	7/8	9	87.31
BDD300-2820	1.1/2	1/4	20	70.50	BDE300-5208	2"	1"	8	87.31
BDD300-3018	1.1/2	5/16	18	70.50	BDG300-5407	3"	1.1/8	7	245.09
BDD300-3216	1.1/2	3/8	16	61.27	BDG300-5607	3"	1.1/4	7	245.09
BDD300-3414	1.1/2	7/16	14	61.27	BDG300-5806	3"	1.3/8	6	245.09
BDD300-3613	1.1/2	1/2	13	61.27	BDG300-6006	3"	1.1/2	6	245.09
BDD300-3812	1.1/2	9/16	12	61.27					

CAPITAL

CUTTING TOOLS



BUTTON DIES - BSW **LEFT HAND**

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	TPI	\$ ea.	Code	O/D	Size	TPI	\$ ea.
BDB310-2624	1"	3/16	24	92.17	BDD310-3414	1.1/2	7/16	14	117.85
BDB310-2820	1"	1/4	20	84.25	BDD310-3613	1.1/2	1/2	13	117.85
BDB310-3018	1"	5/16	18	84.25	BDD310-4011	1.1/2	5/8	11	117.85
BDB310-3216	1"	3/8	16	84.25					

BUTTON DIES - BSF

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	TPI	\$ ea.	Code	O/D	Size	TPI	\$ ea.
BDB320-2632	1"	3/16	32	45.43	BDD320-4412	1.1/2	3/4	12	68.93
BDB320-2826	1"	1/4	26	38.30	BDE320-3616	2"	1/2	16	91.91
BDB320-3022	1"	5/16	22	38.30	BDE320-3816	2"	9/16	16	91.91
BDB320-3220	1"	3/8	20	38.30	BDE320-4014	2"	5/8	14	91.91
BDD320-2826	1.1/2	1/4	26	84.10	BDE320-4412	2"	3/4	12	91.91
BDD320-3022	1.1/2	5/16	22	84.10	BDE320-4811	2"	7/8	11	91.91
BDD320-3220	1.1/2	3/8	20	68.93	BDE320-5210	2"	1"	10	91.91
BDD320-3418	1.1/2	7/16	18	68.93	BDG320-5409	3"	1.1/8	9	249.69
BDD320-3616	1.1/2	1/2	16	68.93	BDG320-5609	3"	1.1/4	9	249.69
BDD320-3816	1.1/2	9/16	16	68.93	BDG320-6008	3"	1.1/2	8	249.69
BDD320-4014	1.1/2	5/8	14	68.93					

BUTTON DIES - BSF **LEFT HAND**

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	TPI	\$ ea.	Code	O/D	Size	TPI	\$ ea.
BDB330-2826	1"	1/4	26	84.25	BDB330-3616	1"	1/2	16	92.17
BDB330-3022	1"	5/16	22	84.25	BDD330-3816	1.1/2	9/16	16	117.85
BDB330-3220	1"	3/8	20	84.25					

BUTTON DIES - BSP

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	TPI	\$ ea.	Code	O/D	Size	TPI	\$ ea.
BDB400-2428	1"	1/8	28	36.76	BDE400-3614	2"	1/2	14	91.91
BDD400-2428	1.1/2	1/8	28	68.93	BDE400-4014	2"	5/8	14	91.91
BDD400-2819	1.1/2	1/4	19	68.93	BDE400-4414	2"	3/4	14	91.91
BDD400-3219	1.1/2	3/8	19	68.93	BDE400-4814	2"	7/8	14	158.00
BDD400-3614	1.1/2	1/2	14	68.93	BDE400-5211	2"	1"	11	121.01
BDE400-2428	2"	1/8	28	91.91	BDG400-5611	3"	1.1/4	11	321.68
BDE400-2819	2"	1/4	19	91.91	BDG400-6011	3"	1.1/2	11	352.32
BDE400-3219	2"	3/8	19	91.91					

CAPITAL

CUTTING TOOLS



BUTTON DIES - BSPT

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	TPI	\$ ea.	Code	O/D	Size	TPI	\$ ea.
BDB460-2428	1"	1/8	28	79.65	BDE460-3219	2"	3/8	19	134.80
BDD460-2428	1.1/2	1/8	28	111.82	BDE460-3614	2"	1/2	14	134.80
BDD460-2819	1.1/2	1/4	19	111.82	BDE460-4414	2"	3/4	14	134.80
BDD460-3219	1.1/2	3/8	19	111.82	BDE460-5211	2"	1"	11	161.58
BDE460-2819	2"	1/4	19	134.80	BDG460-5611	3"	1.1/4	11	298.70

BUTTON DIES - BSB BRASS

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	TPI	\$ ea.	Code	O/D	Size	TPI	\$ ea.
BDB340-2826	1"	1/4	26	45.43	BDD340-3826	1.1/2	9/16	26	105.36
BDB340-3026	1"	5/16	26	53.61	BDD340-4026	1.1/2	5/8	26	91.91
BDB340-3226	1"	3/8	26	53.61	BDE340-4426	2"	3/4	26	180.55
BDD340-3426	1"	7/16	26	74.09	BDE340-4826	2"	7/8	26	180.55
BDD340-3626	1.1/2	1/2	26	91.91	BDE340-5226	2"	1"	26	157.78

BUTTON DIES - NPT

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	TPI	\$ ea.	Code	O/D	Size	TPI	\$ ea.
BDB620-2227	1"	1/16	27	79.65	BDE620-3218	2"	3/8	18	134.80
BDB620-2427	1"	1/8	27	79.65	BDE620-3614	2"	1/2	14	134.80
BDB620-2418	1"	1/4	18	94.72	BDE620-4414	2"	3/4	14	134.80
BDD620-2427	1.1/2	1/8	27	111.82	BDE620-5211	2"	1"	11.5	161.57
BDD620-2818	1.1/2	1/4	18	111.82	BDG620-5611	3"	1.1/4	11.5	203.73
BDD620-3218	1.1/2	3/8	18	111.82	BDG620-6011	3"	1.1/2	11.5	203.73
BDE620-2818	2"	1/4	18	134.80					

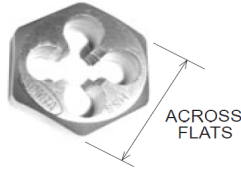
BUTTON DIES - BA

HIGH SPEED STEEL - GROUND THREAD

Code	O/D	Size	TPI	\$ ea.	Code	O/D	Size	TPI	\$ ea.
BDB500-0128	1"	1	42.89	41.64	BDB500-0438	1"	4	38.46	69.16
BDB500-0231	1"	2	42.89	41.64	BDB500-0543	1"	5	43.10	70.81
BDB500-0334	1"	3	66.77	64.82	BDB500-0647	1"	6	47.85	72.84

CAPITAL

CUTTING TOOLS



DIE NUTS - METRIC COARSE HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	AF	\$ ea.	Code	Size	Pitch	AF	\$ ea.
DN100-0305	3.0	0.5	18	50.62	DN100-3335	33	3.5	66	337.00
DN100-0402	4.0	0.7	18	50.62	DN100-3640	36	4.0	70	367.64
DN100-0508	5.0	0.8	19	50.62	DN100-3940	39	4.0	75	390.65
DN100-0610	6.0	1.0	18	30.38	DN100-4245	42	4.5	75	405.93
DN100-0710	7.0	1.0	22	41.59	DN100-4545	45	4.5	75	428.91
DN100-0812	8.0	1.25	21	41.59	DN100-4850	48	5.0	85	444.23
DN100-0912	9.0	1.25	22	43.45	DN100-5250	52	5.0	85	575.84
DN100-1015	10	1.5	24	45.30	DN100-5655	56	5.5	90	646.12
DN100-1115	11	1.5	27	50.62	DN100-6055	60	5.5	100	655.35
DN100-1217	12	1.75	28	59.46	DN100-6460	64	6.0	105	660.76
DN100-1420	14	2.0	33	69.29	DN100-6860	68	6.0	110	712.19
DN100-1620	16	2.0	33	81.57	DN100-7260	72	6.0	115	780.74
DN100-1825	18	2.5	41	81.57	DN100-7660	76	6.0	120	807.40
DN100-2025	20	2.5	38	87.71	DN100-8060	80	6.0	125	999.73
DN100-2225	22	2.5	43	87.71	DN100-8506	85	6.0	135	1009.73
DN100-2430	24	3.0	52	143.24	DN100-9060	90	6.0	135	1054.94
DN100-2730	27	3.0	57	199.14	DN100-9560	95	6.0	145	1273.95
DN100-3035	30	3.5	57	283.39	DN100-1060	100	6.0	150	1323.45

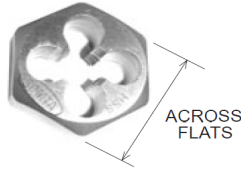
DIE NUTS - METRIC COARSE LEFT HAND

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	AF	\$ ea.	Code	Size	Pitch	AF	\$ ea.
DN110-0407	4.0	0.7	18	97.32	DN110-2430	24	3.0	52	156.25
DN110-0508	5.0	0.8	18	97.32	DN110-2730	27	3.0	60	338.96
DN110-0610	6.0	1.0	19	97.32	DN110-3035	30	3.5	60	354.17
DN110-0812	8.0	1.25	22	97.32	DN110-3335	33	3.5	60	384.66
DN110-1015	10	1.5	27	100.07	DN110-3640	36	4.0	60	418.94
DN110-1217	12	1.75	36	100.07	DN110-3940	39	4.0	75	474.16
DN110-1420	14	2.0	33	105.56	DN110-4245	42	4.5	75	481.78
DN110-1620	16	2.0	33	105.56	DN110-4545	45	4.5	75	500.82
DN110-1825	18	2.5	41	122.29	DN110-4850	48	5.0	85	523.66
DN110-2025	20	2.5	38	167.33	DN110-5250	52	5.0	85	590.32
DN110-2225	22	2.5	43	167.33					

CAPITAL

CUTTING TOOLS



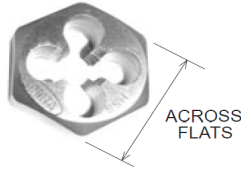
DIE NUTS - METRIC

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	AF	\$ ea.	Code	Size	Pitch	AF	\$ ea.
DN100-0305	3.0	0.5	19	50.62	DN100-1420	14	2.0	36	69.29
DN120-0405	4.0	0.5	19	53.61	DN120-1510	15	1.0	33	109.45
DN100-0402	4.0	0.7	19	50.62	DN120-1512	15	1.25	33	109.45
DN120-0455	4.5	0.5	19	53.61	DN120-1515	15	1.5	36	109.45
DN120-0505	5.0	0.5	18	53.61	DN120-1520	15	2.0	36	109.09
DN120-0507	5.0	0.75	19	66.59	DN120-1610	16	1.0	41	91.91
DN100-0508	5.0	0.8	19	50.62	DN120-1612	16	1.25	41	109.45
DN120-0607	6.0	0.75	19	68.93	DN120-1615	16	1.5	41	91.91
DN100-0610	6.0	1.0	19	30.37	DN100-1620	16	2.0	41	81.58
DN120-0707	7.0	0.75	21	68.93	DN120-1710	17	1.0	38	109.46
DN100-0710	7.0	1.0	22	41.59	DN120-1712	17	1.25	41	109.45
DN120-0807	8.0	0.75	22	68.93	DN120-1715	17	1.5	41	109.45
DN120-0810	8.0	1.0	21	68.93	DN120-1810	18	1.0	38	91.91
DN100-0812	8.0	1.25	22	41.59	DN120-1812	18	1.25	41	109.45
DN120-0910	9.0	1.0	22	84.80	DN120-1815	18	1.5	38	91.91
DN100-0912	9.0	1.25	22	43.45	DN120-1820	18	2.0	41	109.45
DN120-1010	10	1.0	27	68.93	DN100-1825	18	2.5	41	81.58
DN120-1012	10	1.25	24	68.93	DN120-1910	19	1.0	38	109.45
DN100-1015	10	1.5	27	45.30	DN120-1912	19	1.25	41	109.45
DN120-1110	11	1.0	27	84.80	DN120-1915	19	1.5	41	109.45
DN120-1112	11	1.25	26	84.80	DN120-2010	20	1.0	41	145.52
DN100-1115	11	1.5	27	50.62	DN120-2012	20	1.25	41	109.45
DN120-1210	12	1.0	28	68.93	DN120-2015	20	1.5	38	91.91
DN120-1212	12	1.25	28	84.25	DN120-2020	20	2.0	41	145.52
DN120-1215	12	1.5	36	84.25	DN100-2025	20	2.5	41	87.71
DN100-1217	12	1.75	36	59.46	DN120-2110	21	1.0	41	155.24
DN120-1310	13	1.0	36	109.45	DN120-2112	21	1.25	41	155.24
DN120-1312	13	1.25	28	109.45	DN120-2115	21	1.5	41	155.24
DN120-1315	13	1.5	36	109.45	DN120-2210	22	1.0	50	155.24
DN120-1410	14	1.0	36	91.91	DN120-2212	22	1.25	50	155.25
DN120-1412	14	1.25	33	91.91	DN120-2215	22	1.5	43	133.27
DN120-1415	14	1.5	36	91.91	DN120-2220	22	2.0	50	155.24

CAPITAL

CUTTING TOOLS



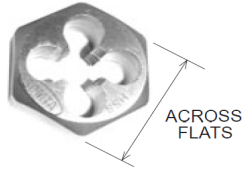
DIE NUTS - METRIC

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	AF	\$ ea.	Code	Size	Pitch	AF	\$ ea.
DN100-2225	22	2.5	50	87.71	DN120-3310	33	1.0	60	352.23
DN120-2310	23	1.0	50	155.24	DN120-3315	33	1.5	66	352.23
DN120-2312	23	1.25	50	155.24	DN120-3320	33	2.0	66	384.66
DN120-2315	23	1.5	50	168.63	DN120-3330	33	3.0	66	384.66
DN120-2410	24	1.0	50	155.24	DN100-3335	33	3.5	60	337.00
DN120-2412	24	1.25	50	155.25	DN120-3415	34	1.5	60	384.66
DN120-2415	24	1.5	52	153.18	DN120-3515	35	1.5	66	415.12
DN120-2420	24	2.0	50	153.18	DN120-3615	36	1.5	66	443.68
DN120-2425	24	2.5	52	155.24	DN120-3620	36	2.0	70	415.12
DN100-2430	24	3.0	50	143.24	DN120-3630	36	3.0	70	415.12
DN120-2510	25	1.0	52	155.24	DN100-3640	36	4.0	60	367.64
DN120-2512	25	1.25	50	142.17	DN120-3715	37	1.5	70	443.68
DN120-2515	25	1.5	52	153.18	DN120-3815	38	1.5	70	443.68
DN120-2520	25	2.0	50	237.61	DN120-3820	38	2.0	70	443.68
DN120-2610	26	1.0	50	246.81	DN120-3915	39	1.5	70	443.68
DN120-2615	26	1.5	50	246.81	DN120-3920	39	2.0	70	443.68
DN120-2620	26	2.0	50	246.81	DN120-3930	39	3.0	70	443.68
DN120-2710	27	1.0	57	264.86	DN100-3940	39	4.0	70	390.65
DN120-2715	27	1.5	57	264.86	DN120-4015	40	1.5	70	382.95
DN120-2720	27	2.0	57	223.04	DN120-4215	42	1.5	80	476.06
DN100-2730	27	3.0	60	199.14	DN120-4220	42	2.0	80	476.06
DN120-2810	28	1.0	60	279.52	DN120-4230	42	3.0	80	476.06
DN120-2815	28	1.5	60	279.52	DN120-4240	42	4.0	75	476.06
DN120-2915	29	1.5	60	305.00	DN100-4245	42	4.5	75	405.93
DN120-3010	30	1.0	57	309.68	DN120-4250	42	5.0	75	476.06
DN120-3015	30	1.5	57	268.07	DN120-4515	45	1.5	80	491.30
DN120-3020	30	2.0	57	275.73	DN120-4520	45	2.0	80	491.30
DN120-3030	30	3.0	60	275.73	DN120-4530	45	3.0	80	491.30
DN100-3035	30	3.5	60	283.38	DN120-4540	45	4.0	75	491.30
DN120-3210	32	1.0	60	339.17	DN100-4545	45	4.5	75	428.91
DN120-3215	32	1.5	57	298.70	DN120-4550	45	5.0	75	491.30
DN120-3220	32	2.0	60	384.66	DN120-4815	48	1.5	80	500.82

CAPITAL

CUTTING TOOLS



DIE NUTS - METRIC

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	AF	\$ ea.	Code	Size	Pitch	AF	\$ ea.
DN120-4820	48	2.0	80	500.82	DN120-6060	60	6.0	105	655.34
DN120-4830	48	3.0	80	500.82	DN120-6315	63	1.5	105	671.31
DN120-4840	48	4.0	85	500.82	DN100-6460	64	6.0	105	660.76
DN100-4850	48	5.0	85	444.23	DN100-6860	68	6.0	110	712.19
DN120-5015	50	1.5	80	575.84	DN120-7020	70	2.0	115	910.58
DN120-5220	52	2.0	80	575.84	DN100-7260	72	6.0	115	780.74
DN120-5230	52	3.0	85	575.84	DN100-7660	76	6.0	120	807.40
DN120-5240	52	4.0	85	575.84	DN100-8060	80	6.0	125	999.73
DN100-5250	52	5.0	85	575.84	DN100-8506	85	6.0	135	1009.73
DN120-5620	56	2.0	90	644.82	DN100-9060	90	6.0	140	1054.94
DN120-5640	56	4.0	90	644.82	DN100-9560	95	6.0	145	1273.95
DN100-5655	56	5.5	90	646.12	DN100-1060	100	6.0	150	1323.45
DN100-6055	60	5.5	100	655.35					

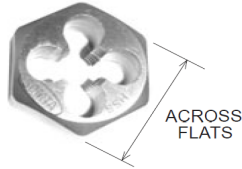
DIE NUTS - METRIC OVERSIZE

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	O/S	AF	\$ ea.	Code	Size	Pitch	O/S	AF	\$ ea.
DN146-1015.3	10	1.5	+0.3	24	68.93	DN146-2025.3	20	2.5	+0.3	41	137.86
DN146-1015.4	10	1.5	+0.4	24	68.93	DN146-2025.4	20	2.5	+0.4	41	137.86
DN146-1217.3	12	1.75	+0.3	28	79.65	DN146-2430.3	24	3.0	+0.3	50	191.48
DN146-1217.4	12	1.75	+0.4	28	79.65	DN146-2430.4	24	3.0	+0.4	50	191.48
DN146-1620.3	16	2.0	+0.3	41	110.29	DN146-3035.4	30	3.5	+0.4	60	368.04
DN146-1620.4	16	2.0	+0.4	41	110.29						

CAPITAL

CUTTING TOOLS



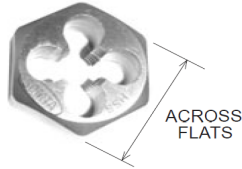
DIE NUTS - METRIC **LEFT HAND**

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	AF	\$ ea.	Code	Size	Pitch	AF	\$ ea.
DN130-0810	8.0	1.0	22	111.31	DN130-2012	20	1.25	41	183.73
DN130-1010	10	1.0	24	111.31	DN130-2015	20	1.5	41	183.73
DN130-1012	10	1.25	24	111.31	DN130-2020	20	2.0	41	183.73
DN130-1110	11	1.0	27	111.31	DN130-2215	22	1.5	43	183.73
DN130-1210	12	1.0	36	111.31	DN130-2220	22	2.0	50	183.73
DN130-1212	12	1.25	36	115.54	DN100-2230	22	3.0	50	183.73
DN130-1215	12	1.5	36	115.54	DN130-2415	24	1.5	50	197.90
DN130-1412	14	1.25	36	119.42	DN130-2420	24	2.0	50	197.90
DN130-1415	14	1.5	36	119.42	DN130-2515	25	1.5	50	197.90
DN130-1612	16	1.25	41	119.42	DN130-3020	30	2.0	60	370.40
DN130-1615	16	1.5	33	119.42	DN130-3320	33	2.0	60	402.25
DN130-1812	18	1.25	41	137.49	DN130-3615	36	1.5	60	433.84
DN130-1815	18	1.5	38	137.49	DN130-3620	36	2.0	60	433.84
DN130-1820	18	2.0	41	137.49	DN130-4515	45	1.5	75	517.60

CAPITAL

CUTTING TOOLS



DIE NUTS - UNC

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	AF	\$ ea.	Code	Size	TPI	AF	\$ ea.
DN200-0632	6	32	17	58.41	DN200-4809	7/8	9	43	107.23
DN200-0832	8	32	17	45.95	DN200-5208	1"	8	52	137.86
DN200-1024	10	24	18	45.95	DN200-5407	1.1/8	7	57	229.77
DN200-1224	12	24	18	53.61	DN200-5607	1.1/4	7	57	275.73
DN200-2820	1/4	20	18	33.70	DN200-5806	1.3/8	6	66	321.68
DN200-3018	5/16	18	21	38.30	DN200-6006	1.1/2	6	70	352.32
DN200-3216	3/8	16	24	45.95	DN200-6405	1.3/4	5	80	533.77
DN200-3414	7/16	14	26	53.61	DN200-6804	2"	4.5	80	459.54
DN200-3613	1/2	13	28	58.21	DN200-7204	2.1/4	4.5	90	608.30
DN200-3812	9/16	12	33	76.59	DN200-7604	2.1/2	4	90	676.49
DN200-4011	5/8	11	33	76.59	DN200-8004	2.3/4	4	100	738.98
DN200-4410	3/4	10	38	87.31	DN200-8404	3"	4	100	815.97

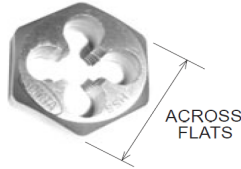
DIE NUTS - UNC LEFT HAND

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	AF	\$ ea.	Code	Size	TPI	AF	\$ ea.
DN210-2820	1/4	20	19	92.34	DN210-4011	5/8	11	41	171.20
DN210-3018	5/16	18	22	98.72	DN210-4410	3/4	10	41	174.10
DN210-3216	3/8	16	27	98.72	DN210-4809	7/8	9	43	207.32
DN210-3414	7/16	14	27	114.24	DN210-5208	1"	8	50	232.30
DN210-3613	1/2	13	36	155.29	DN210-5607	1.1/4	7	60	363.72
DN210-3812	9/16	12	36	168.63	DN210-6006	1.1/2	6	70	445.58

CAPITAL

CUTTING TOOLS



DIE NUTS - UNF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	AF	\$ ea.	Code	Size	TPI	AF	\$ ea.
DN220-0836	8	36	17	46.07	DN220-5412	1.1/8	12	57	237.43
DN220-1032	10	32	17	46.07	DN220-5512	1.3/16	12	60	350.38
DN220-1228	12	28	18	46.07	DN220-5612	1.1/4	12	57	275.73
DN220-2828	1/4	28	18	33.70	DN220-5712	1.5/16	12	66	348.48
DN220-3024	5/16	24	21	38.30	DN220-5812	1.3/8	12	66	314.02
DN220-3224	3/8	24	24	45.95	DN220-6012	1.1/2	12	70	344.66
DN220-3420	7/16	20	26	53.61	DN220-6112	1.9/16	12	70	449.41
DN220-3620	1/2	20	36	58.21	DN220-6212	1.5/8	12	70	470.36
DN220-3818	9/16	18	33	76.59	DN220-6412	1.3/4	12	80	398.27
DN220-4018	5/8	18	41	76.59	DN220-6612	1.7/8	12	80	500.82
DN220-4416	3/4	16	38	87.31	DN220-6812	2"	12	80	459.54
DN220-4814	7/8	14	43	117.95	DN220-7212	2.1/4	12	95	569.36
DN220-5212	1"	12	52	137.86	DN220-7412	2.3/8	12	95	614.92
DN220-5214	1" UNS	14	52	142.46	DN220-7612	2.1/2	12	100	643.64
DN220-5312	1.1/16	12	57	321.82	DN220-8412	3"	12	100	815.95

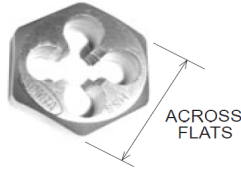
DIE NUTS - UNF LEFT HAND

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	AF	\$ ea.	Code	Size	TPI	AF	\$ ea.
DN230-2828	1/4	28	18	97.87	DN230-5412	1.1/8	12	60	337.05
DN230-3024	5/16	24	22	104.64	DN230-5512	1.3/16	12	60	359.90
DN230-3224	3/8	24	27	104.64	DN230-5612	1.1/4	12	60	369.41
DN230-3420	7/16	20	27	121.09	DN230-5812	1.3/8	12	70	377.05
DN230-3620	1/2	20	36	130.20	DN230-6012	1.1/2	12	70	451.30
DN230-3818	9/16	18	33	171.21	DN230-6212	1.5/8	12	70	483.92
DN230-4018	5/8	18	41	153.03	DN230-6412	1.3/4	12	80	500.81
DN230-4416	3/4	16	38	153.77	DN230-6612	1.7/8	12	80	517.95
DN230-4814	7/8	14	43	207.30	DN230-6812	2"	12	80	550.31
DN230-5212	1"	12	50	232.29	DN230-7212	2.1/4	12	95	588.30
DN230-5212	1" 14 UNS	14	50	232.29	DN230-7612	2.1/2	12	100	665.29
DN230-5312	1.1/16	12	60	327.54					

CAPITAL

CUTTING TOOLS



DIE NUTS - UNEF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	AF	\$ ea.	Code	Size	TPI	AF	\$ ea.
DN240-2832	1/4	32	19	125.62	DN240-5020	15/16	20	50	176.44
DN240-3032	5/16	32	22	127.90	DN240-5220	1"	20	50	179.91
DN240-3232	3/8	32	24	129.72	DN240-5318	1.1/16	18	60	300.01
DN240-3428	7/16	28	26	129.72	DN240-5418	1.1/8	18	60	321.56
DN240-3628	1/2	28	36	140.07	DN240-5518	1.3/16	18	60	328.75
DN240-3824	9/16	24	36	158.16	DN240-5618	1.1/4	18	60	355.70
DN240-4024	5/8	24	41	164.10	DN240-5718	1.5/16	18	70	389.42
DN240-4224	11/16	24	41	167.54	DN240-5818	1.3/8	18	70	547.08
DN240-4420	3/4	20	38	171.24	DN240-6018	1.1/2	18	70	581.08
DN240-4620	13/16	20	38	173.94	DN240-6218	1.5/8	18	80	621.07
DN240-4820	7/8	20	43	174.74	DN240-6418	1.3/4	18	80	662.69

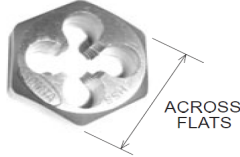
DIE NUTS - UNS

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	AF	\$ ea.	Code	Size	TPI	AF	\$ ea.
DN280-3040	5/16	40	21	109.99	DN280-5016	15/16	16	50	181.90
DN280-3424	7/16	24	27	142.58	DN280-5216	1"	16	52	183.20
DN280-3624	1/2	24	28	147.22	DN280-5218	1"	18	52	183.20
DN280-3820	9/16	20	36	163.96	DN280-5224	1"	24	52	183.20
DN280-4016	5/8	16	41	172.88	DN280-5416	1.1/8	16	60	241.28
DN280-4020	5/8	20	33	172.88	DN280-5516	1.3/16	16	60	260.48
DN280-4216	11/16	16	38	177.09	DN280-5614	1.1/4	14	60	360.14
DN280-4218	11/16	18	38	177.09	DN280-5616	1.1/4	16	60	360.14
DN280-4424	3/4	24	41	181.22	DN280-5814	1.3/8	14	70	382.83
DN280-4616	13/16	16	50	178.88	DN280-5816	1.3/8	16	70	382.83
DN280-4816	7/8	16	50	180.37	DN280-7616	2.1/2	16	100	676.49
DN280-4818	7/8	18	50	180.37	DN280-7816	2.5/8	16	100	724.48

CAPITAL

CUTTING TOOLS



DIE NUTS - 8 UN SERIES

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	AF	\$ ea.	Code	Size	TPI	AF	\$ ea.
DN260-5408	1.1/8	8	60	275.73	DN260-6808	2"	8	80	431.97
DN260-5608	1.1/4	8	60	275.73	DN260-7208	2.1/4	8	95	608.29
DN260-5808	1.3/8	8	70	314.02	DN260-7408	2.3/8	8	100	658.16
DN260-6008	1.1/2	8	70	382.95	DN260-7608	2.1/2	8	105	676.49
DN260-6208	1.5/8	8	70	402.87	DN260-8008	2.3/4	8	115	738.98
DN260-6408	1.3/4	8	80	398.27	DN260-8408	3"	8	120	815.96
DN260-6608	1.7/8	8	80	415.12					

DIE NUTS - BSW

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	AF	\$ ea.	Code	Size	TPI	AF	\$ ea.
DN300-2440	1/8	40	19	45.95	DN300-4410	3/4	10	41	87.31
DN300-2624	3/16	24	19	45.95	DN300-4809	7/8	9	50	102.63
DN300-2724	7/32	24	19	45.95	DN300-5208	1"	8	50	105.79
DN300-2820	1/4	20	19	33.70	DN300-5407	1.1/8	7	60	260.41
DN300-3018	5/16	18	21	38.30	DN300-5607	1.1/4	7	60	275.73
DN300-3216	3/8	16	27	44.85	DN300-5806	1.3/8	6	70	337.00
DN300-3414	7/16	14	27	53.61	DN300-6006	1.1/2	6	70	390.61
DN300-3612	1/2	12	28	61.27	DN300-6205	1.5/8	5	70	481.78
DN300-3812	9/16	12	36	76.59	DN300-6405	1.3/4	5	80	428.91
DN300-4011	5/8	11	41	76.59	DN300-6804	2"	4.5	80	459.54

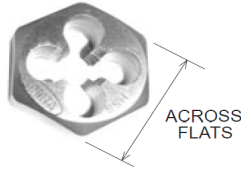
DIE NUTS - BSF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	AF	\$ ea.	Code	Size	TPI	AF	\$ ea.
DN320-2632	3/16	32	19	50.55	DN320-4412	3/4	12	41	98.04
DN320-2728	7/32	28	19	63.19	DN320-4811	7/8	11	50	114.89
DN320-2826	1/4	26	18	35.23	DN320-5210	1"	10	50	145.52
DN320-3022	5/16	22	22	42.89	DN320-5409	1.1/8	9	60	275.73
DN320-3220	3/8	20	24	49.02	DN320-5609	1.1/4	9	60	298.70
DN320-3418	7/16	28	27	61.27	DN320-6008	1.1/2	8	70	329.34
DN320-3616	1/2	16	36	65.87	DN320-6407	1.3/4	7	80	397.27
DN320-3816	9/16	16	36	79.65	DN320-6807	2"	7	80	443.16
DN320-4014	5/8	14	41	79.65					

CAPITAL

CUTTING TOOLS



DIE NUTS - BSB BRASS

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	AF	\$ ea.	Code	Size	TPI	AF	\$ ea.
DN340-2626	3/16	26	19	48.85	DN340-4426	3/4	26	41	125.38
DN340-2826	1/4	26	18	48.85	DN340-4626	13/16	26	50	168.31
DN340-3026	5/16	26	22	69.90	DN340-4826	7/8	26	50	184.51
DN340-3226	3/8	26	27	69.90	DN340-5026	15/16	26	50	207.10
DN340-3426	7/16	26	26	84.57	DN340-5226	1"	26	50	219.80
DN340-3626	1/2	26	36	90.08	DN340-5426	1.1/8	26	60	226.45
DN340-3826	9/16	26	36	94.50	DN340-5626	1.1/4	26	60	260.70
DN340-4026	5/8	26	41	99.38	DN340-5826	1.3/8	26	60	287.70
DN340-4226	11/16	26	41	108.28					

DIE NUTS - BSP

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	AF	\$ ea.	Code	Size	TPI	AF	\$ ea.
DN400-2428	1/8	28	24	71.90	DN400-5211	1"	11	66	226.24
DN400-2819	1/4	19	28	53.61	DN400-5611	1.1/4	11	70	345.91
DN400-3219	3/8	19	41	76.59	DN400-6011	1.1/2	11	85	357.35
DN400-3614	1/2	14	43	104.16	DN400-6811	2"	11	100	533.14
DN400-4014	5/8	14	50	133.27	DN400-7611	2.1/2	11	120	724.75
DN400-4414	3/4	14	52	181.44	DN400-8411	3"	11	135	815.97

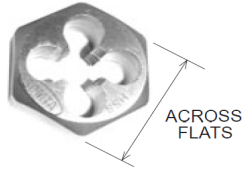
DIE NUTS - BS CYCLE 60°

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	AF	\$ ea.	Code	Size	TPI	AF	\$ ea.
DN360-2826	1/4	26	19	53.73	DN360-3426	7/16	26	27	91.39
DN360-3026	5/16	26	22	74.05	DN360-3626	1/2	26	36	98.66
DN360-3226	3/8	26	27	74.05					

CAPITAL

CUTTING TOOLS



DIE NUTS - BSPT

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	AF	\$ ea.	Code	Size	TPI	AF	\$ ea.
DN460-2428	1/8	28	36	79.65	DN460-5211	1"	11	57	254.63
DN460-2819	1/4	19	28	113.35	DN460-5212	1.1/4	11	70	375.29
DN460-3219	3/8	19	33	114.89	DN460-6011	1.1/2	11	85	497.84
DN460-3614	1/2	14	43	183.64	DN460-6811	2"	11	100	612.73
DN460-4014	5/8	14	50	192.25	DN460-7611	2.1/2	11	120	805.96
DN460-4414	3/4	14	52	193.01	DN460-8411	3"	11	135	897.18

DIE NUTS - NPT

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	AF	\$ ea.	Code	Size	TPI	AF	\$ ea.
DN620-2427	1/8	27	24	79.65	DN620-5211	1"	11.5	57	254.63
DN620-2818	1/4	18	28	110.29	DN620-5611	1.1/4	11.5	85	375.29
DN620-3218	3/8	18	33	114.89	DN620-6011	1.1/2	11.5	85	497.84
DN620-3614	1/2	14	43	183.64	DN620-6811	2"	11.5	100	612.73
DN620-4414	3/4	14	52	188.41					



WARRAGUL TYPE DIES - METRIC

HIGH SPEED STEEL - GROUND THREAD

Code	Size	Pitch	AF	\$ ea.	Code	Size	Pitch	AF	\$ ea.
WD120-1615	16	1.5	2.3/8	206.80	WD120-3215	32	1.5	2.3/8	206.80
WD120-2015	20	1.5	2.3/8	206.80	WD120-4015	40	1.5	2.3/8	206.80
WD120-2515	25	1.5	2.3/8	206.80					

WARRAGUL TYPE DIES - BSPF

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	AF	\$ ea.	Code	Size	TPI	AF	\$ ea.
WD400-2819	1/4	19	2.3/8	206.80	WD400-4414	3/4	14	2.3/8	206.80
WD400-3219	3/8	19	2.3/8	206.80	WD400-5211	1"	11	2.3/8	206.80
WD400-3614	1/2	14	2.3/8	206.80					

WARRAGUL TYPE DIES - BSPT

HIGH SPEED STEEL - GROUND THREAD

Code	Size	TPI	AF	\$ ea.	Code	Size	TPI	AF	\$ ea.
WD460-2819	1/4	19	2.3/8	206.80	WD460-4414	3/4	14	2.3/8	206.80
WD460-3219	3/8	19	2.3/8	206.80	WD460-5211	1"	11	2.3/8	206.80
WD460-3614	1/2	14	2.3/8	206.80					

CAPITAL

CUTTING TOOLS



WARRAGUL TYPE DIE SETS

Code	Sizes	\$ ea.
WD100	M16 x 1.5, M20 x 1.5, M25 x 1.5, M32 x 1.5, M40 x 1.5	1033.98

EACH SET INCLUDES ONE WARRAGUL TYPE DIE PER SIZE LISTED ABOVE

CAPITAL

CUTTING TOOLS



TAP & DIE SETS

HIGH SPEED STEEL - GROUND THREAD

Code	Thread Form	Sizes	\$ ea.
SETS INCLUDE 2 TAP WRENCHES & 2 DIE STOCKS			
TDS-600	METRIC	M4, M5, M6, M8, M10, M12, M14, M16	930.90
TDS-700	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	1043.91
TDS-800	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	1122.28
SETS INCLUDE 3 TAP WRENCHES & 3 DIE STOCKS			
TDS-100	METRIC	M4, M5, M6, M8, M10, M12, M14, M16, M18, M20, M22, M24	1712.05
TDS-200	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1724.18
TDS-300	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1743.34
SETS DO NOT INCLUDE ANY TAP WRENCHES OR DIE STOCKS			
TDS-150	METRIC	M4, M5, M6, M8, M10, M12, M14, M16, M18, M20, M22, M24	1364.32
TDS-250	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1376.45
TDS-350	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1436.06

EACH SET INCLUDES A TAPER TAP, BOTTOM TAP & BUTTON DIE PER SIZE LISTED ABOVE AS WELL AS SIZE RELEVANT HOLDERS FOR BOTH TAPS AND DIES AS LISTED ABOVE

CAPITAL

CUTTING TOOLS



TAP & BUTTON DIE SETS

HIGH SPEED STEEL - GROUND THREAD

Code	Thread Form	Sizes	\$ ea.
TBDS100-0312	METRIC	M3, M4, M5, M6, M8, M10, M12	596.47
TBDS220-1036	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2	732.13
TBDS200-1036	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2	748.50
TBDS300-2636	BSW	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2	769.55
TBDS320-2636	BSF	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2	783.59
TBDS100-0316	METRIC	M3, M4, M5, M6, M8, M10, M12, M14, M16	959.02
TBDS220-1040	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	1011.65
TBDS200-1040	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	1029.19
TBDS300-2640	BSW	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	1046.73
TBDS320-2640	BSF	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	1163.69
TBDS100-0324	METRIC	M3, M4, M5, M6, M8, M10, M12, M14, M16, M18, M20, M24	1812.78
TBDS220-1052	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1912.19
TBDS200-1052	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1923.89
TBDS300-2652	BSW	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1970.67
TBDS320-2652	BSF	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	2281.76

EACH SET INCLUDES A TAPER TAP, INTER TAP, BOTTOM TAP & BUTTON DIE PER SIZE LISTED ABOVE

CAPITAL

CUTTING TOOLS



TAP & DIE NUT SETS

HIGH SPEED STEEL - GROUND THREAD

Code	Thread Form	Sizes	\$ ea.
TDNS100-0312	METRIC	M3, M4, M5, M6, M8, M10, M12	720.44
TDNS220-1036	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2	753.18
TDNS200-1036	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2	792.95
TDNS300-2636	BSW	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2	797.63
TDNS320-2636	BSF	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2	901.71
TDNS100-0316	METRIC	M3, M4, M5, M6, M8, M10, M12, M14, M16	1098.19
TDNS220-1040	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	1134.45
TDNS200-1040	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	1108.71
TDNS300-2640	BSW	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	1115.74
TDNS320-2640	BSF	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	1367.18
TDNS100-0324	METRIC	M3, M4, M5, M6, M8, M10, M12, M14, M16, M18, M20, M24	2011.61
TDNS220-1052	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	2050.20
TDNS200-1052	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	2026.81
TDNS300-2652	BSW	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	2070.08
TDNS320-2652	BSF	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	2432.63

EACH SET INCLUDES A TAPER TAP, INTER TAP, BOTTOM TAP & DIE NUT PER SIZE LISTED ABOVE

CAPITAL

CUTTING TOOLS



TAP & DRILL SETS

HIGH SPEED STEEL - GROUND THREAD

Code	Thread Form	Sizes	\$ ea.
TDRS100-0312	METRIC	M3, M4, M5, M6, M8, M10, M12	329.47
TDRS220-1036	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2	347.35
TDRS200-1036	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2	349.69
TDRS300-2636	BSW	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2	376.59
TDRS320-2636	BSF	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2	376.59
TDRS100-0316	METRIC	M3, M4, M5, M6, M8, M10, M12, M14, M16	488.86
TDRS220-1040	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	506.41
TDRS200-1040	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	529.80
TDRS300-2640	BSW	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	555.54
TDRS320-2640	BSF	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8	555.54
TDRS100-0324	METRIC	M3, M4, M5, M6, M8, M10, M12, M14, M16, M18, M20, M24	1058.43
TDRS220-1052	UNF	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1085.33
TDRS200-1052	UNC	10G, 12G, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1087.66
TDRS300-2652	BSW	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1128.61
TDRS320-2652	BSF	3/16, 7/32, 1/4, 5/16, 3/8, 7/16, 1/2, 9/16, 5/8, 3/4, 7/8, 1"	1233.86

EACH SET INCLUDES A TAPER TAP, BOTTOM TAP & HSS DRILL PER SIZE LISTED ABOVE

CAPITAL

CUTTING TOOLS



DIE STOCKS

Code	Size	\$ ea.
8X0-21	13/16	31.80
8X0-25	1"	20.78
8X0-33	1.5/16	72.01
8X0-38	1.1/2	46.85
8X0-50	2"	65.39
8X0-64	2.1/4	163.70
8X0-70	2.1/2	264.87
8X0-76	3"	187.21
8X0-100	4"	497.04
8X0-150	5"	655.86

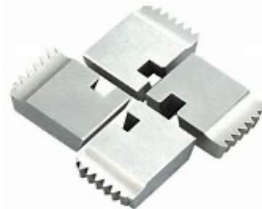


ADJUSTABLE TAP WRENCHES

Code	Size	\$ ea.
8AT-A	1mm – 6mm	46.18
8AT-B	1mm – 8mm	46.18
8AT-C	4mm – 12mm	48.91
8AT-D	5mm – 20mm	78.85
8AT-E	11mm – 27mm	119.61
8AT-F	13mm – 32mm	208.38
8AT-G	18mm – 42mm	302.17
8AT-H	25mm – 50mm	373.32

CAPITAL

CUTTING TOOLS



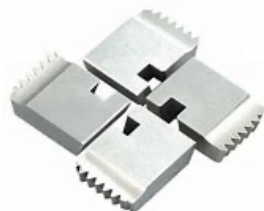
COVENTRY STYLE CHASER DIES - "S" RAKE - METRIC

HIGH SPEED STEEL - GROUND THREAD

Code Prefix:		CV12 -	CV20 -	CV25 -	CV32-	CV38-	CV50-
		Sectional Size	Sectional Size	Sectional Size	Sectional Size	Sectional Size	Sectional Size
		1/2 x 1/4	3/4 x 5/16	7/8 x 3/8	1" x 7/16	1.1/8 x 1/2	1.1/2 x 5/8
		Head	Head	Head	Head	Head	Head
		1/2	3/4	1"	1.1/4	1.1/2	2"
Code	Thread Form	\$ ea.	\$ ea.	\$ ea.	\$ ea.	\$ ea.	\$ ea.
0407	4 x 0.7	153.44					
0508	5 x 0.8	153.44	226.31	255.57			
0610	6 x 1.0	153.44	226.31	255.57			
0812	8 x 1.25	153.44	226.31	255.57			
1015	10 x 1.5	153.44	226.31	255.57	330.12		
1217	12 x 1.75	153.44	226.31	255.57	330.12	388.68	
1420	14 x 2.0	153.44	226.31	255.57	330.12	388.68	
1620	16 x 2.0	153.44	226.31	255.57	330.12	388.68	
1825	18 x 2.5		226.31	255.57	330.12	388.68	
2025	20 x 2.5		226.31	255.57	330.12	388.68	
2225	22 x 2.5			255.57	330.12	388.68	
2430	24 x 3.0			255.56	330.12	388.68	
2730	27 x 3.0				330.12	388.68	
3035	30 x 3.5				330.12	388.68	
3335	33 x 3.5					388.68	699.28
3640	36 x 4.0				330.11	388.68	699.28
3940	39 x 4.0						699.28
4245	42 x 4.5						699.28

CAPITAL

CUTTING TOOLS



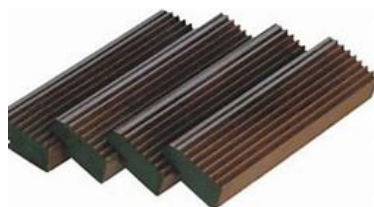
COVENTRY STYLE CHASER DIES - "S" RAKE - UNC & UNF

HIGH SPEED STEEL - GROUND THREAD

Code Prefix:	CV12 -	CV20 -	CV25 -	CV32-	CV38-	CV50-
	Sectional Size	Sectional Size	Sectional Size	Sectional Size	Sectional Size	Sectional Size
	1/2 x 1/4	3/4 x 5/16	7/8 x 3/8	1" x 7/16	1.1/8 x 1/2	1.1/2 x 5/8
	Head	Head	Head	Head	Head	Head
	1/2	3/4	1"	1.1/4	1.1/2	2"
Code	UNC	\$ ea.	\$ ea.	\$ ea.	\$ ea.	\$ ea.
2820	1/4 x 20	153.44	226.31			
3018	5/16 x 18	153.44	226.31			
3216	3/8 x 16	153.44	226.31	255.57		
3414	7/16 x 14	153.44	226.31	255.57		
3613	1/2 x 13	153.44	226.31	255.57	330.12	
3812	9/16 x 12		226.31	255.57	330.12	
4011	5/8 x 11		226.31	255.57	330.12	
4410	3/4 x 10		226.31	255.57	330.12	
4809	7/8 x 9			255.57	330.12	388.68
5208	1" x 8			255.57	330.12	388.68
UNF						
2828	1/4 x 28	153.44	226.31			
3024	5/16 x 24	153.44	226.31			
3224	3/8 x 24	153.44	226.31	255.56		
3420	7/16 x 20	153.44	226.31	255.57		
3620	1/2 x 20	153.44	226.31	255.57	330.12	
3818	9/16 x 18		226.31	255.57	330.12	
4018	5/8 x 18		226.31	255.57	330.12	
4416	3/4 x 16		226.31	255.57	330.12	
4814	7/8 x 14			255.57	330.12	388.68
5212	1" x 12			255.56	330.12	388.68
5412	1.1/8 x 12				330.12	388.68
5612	1.1/4 x 12				330.12	388.68

CAPITAL

CUTTING TOOLS



TANGENTIAL CHASER DIES

HIGH SPEED STEEL - GROUND THREAD

Code Prefix:		C2 -	C3 -	C93 -	C94-	C10-	C11-
		Sectional Size	Sectional Size	Sectional Size	Sectional Size	Sectional Size	Sectional Size
		1" X 4"	1.1/2 X 5"	1.3/64 X 3"	1.3/64 X 4"	1.109 X 4"	1.1/4 X 4"
Code	Thread Form	\$ ea.	\$ ea.	\$ ea.	\$ ea.	\$ ea.	\$ ea.
10100	1.0mm Pitch	383.57		372.72	386.03	386.03	452.58
10125	1.25mm Pitch	383.57		372.72	386.03	386.03	452.58
10150	1.5mm Pitch	383.57		372.72	386.03	386.03	452.58
10175	1.75mm Pitch	383.57		372.72	386.03	386.03	452.58
10200	2.0mm Pitch	383.57		372.72	386.03	386.03	452.58
10250	2.5mm Pitch	383.57		372.72	386.03	386.03	452.58
10300	3.0mm Pitch	383.57	599.09	372.72	386.03	386.03	452.58
10350	3.5mm Pitch	383.57	599.09	372.72	386.03	386.03	452.58
10400	4.0mm Pitch	383.57	599.09	372.72	386.03	386.03	452.58
10450	4.5mm Pitch		599.09				
10500	5.0mm Pitch		599.09				
10550	5.5mm Pitch		599.09				
10600	6.0mm Pitch		599.09				
2005	5 UN		599.09				
2006	6 UN		599.09				
2007	7 UN		599.09				
2008	8 UN	383.57	599.09				
2009	9 UN	383.57	599.09				
2010	10 UN	383.57	599.09	372.72	386.03	386.03	452.58
2011	11 UN	383.57		372.72	386.03	386.03	452.58
2012	12 UN	383.57		372.72	386.03	386.03	452.58
2013	13 UN	383.57		372.72	386.03	386.03	452.58
2014	14 UN	383.57		372.72	386.03	386.03	452.58
2016	16 UN	383.57		372.72	386.03	386.03	452.58
2018	18 UN	383.57		372.72	386.03	386.03	452.58
2020	20 UN	383.57		372.72	386.03	386.03	452.58



ROUND TOOLBITS

HSS Co - METRIC

Code	O/D	Length	\$ ea.	Code	O/D	Length	\$ ea.
G707-03100	3	100	9.99	G707-1080	10	80	19.81
G707-03160	3	150	12.09	G707-10100	10	100	23.80
G707-03510	3.5	100	9.46	G707-10125	10	125	27.20
G707-03516	3.5	150	12.09	G707-10160	10	150	31.04
G707-0463	4	63	3.75	G707-10200	10	200	41.42
G707-0480	4	80	4.21	G707-1263	12	63	22.68
G707-04100	4	100	7.49	G707-1280	12	80	28.84
G707-04160	4	150	12.09	G707-12100	12	100	31.30
G707-04510	4.5	100	8.15	G707-12125	12	125	38.91
G707-04516	4.5	150	12.09	G707-12160	12	150	42.97
G707-0540	5	40	4.16	G707-12200	12	200	54.93
G707-0563	5	63	5.09	G707-14125	14	125	63.34
G707-0580	5	80	8.02	G707-14160	14	150	71.66
G707-05100	5	100	10.62	G707-16100	16	100	53.61
G707-0663	6	63	7.31	G707-16125	16	125	71.66
G707-0680	6	80	7.86	G707-16160	16	150	79.66
G707-06100	6	100	12.61	G707-16200	16	200	90.69
G707-06200	6	200	16.48	G707-18100	18	100	89.66
G707-0840	8	40	10.72	G707-18160	18	150	94.48
G707-0863	8	63	11.94	G707-18200	18	200	147.06
G707-0880	8	80	13.42	G707-19100	19	100	91.64
G707-08100	8	100	17.85	G707-20100	20	100	95.77
G707-08125	8	125	19.87	G707-20125	20	125	98.44
G707-08160	8	150	21.29	G707-20160	20	150	112.54
G707-08200	8	200	23.54	G707-20200	20	200	153.35
G707-1040	10	40	14.69	G707-25200	25	200	180.02
G707-1063	10	63	16.42				



ROUND TOOLBITS

HSS Co - IMPERIAL

Code	O/D	Length	\$ ea.	Code	O/D	Length	\$ ea.
G708-0122	1/8	2"	4.55	G708-0374	3/8	4"	27.83
G708-0125	1/8	2.1/2"	5.40	G708-0376	3/8	6"	32.39
G708-0123	1/8	3"	7.86	G708-0435	7/16	3"	42.97
G708-0182	3/16	2"	4.36	G708-0504	1/2	4"	59.44
G708-0185	3/16	2.1/2"	5.33	G708-0506	1/2	6"	71.73
G708-0183	3/16	3"	8.96	G708-0624	5/8	4"	59.62
G708-0184	3/16	4"	10.62	G708-0626	5/8	6"	82.73
G708-0255	1/4	2.1/2"	6.94	G708-0754	3/4	4"	101.58
G708-0253	1/4	3"	11.00	G708-0756	3/4	6"	128.03
G708-0254	1/4	4"	13.04	G708-0758	3/4	8"	151.69
G708-0313	5/16	3"	20.42	G708-1006	1"	6"	163.08
G708-0314	5/16	4"	23.64	G708-1008	1"	8"	189.60
G708-0373	3/8	3"	20.80				

CAPITAL

CUTTING TOOLS



SQUARE TOOLBITS

HSS Co - METRIC

Code	W	Length	\$ ea.	Code	W	Length	\$ ea.
G709-0440	4	40	5.46	G709-10125	10	125	40.44
G709-0463	4	63	7.34	G709-10160	10	150	44.19
G709-0480	4	80	9.54	G709-10200	10	200	51.81
G709-04100	4	100	12.88	G709-1263	12	63	30.71
G709-0540	5	40	5.95	G709-1280	12	80	35.41
G709-0563	5	63	8.62	G709-12100	12	100	40.75
G709-0580	5	80	10.62	G709-12125	12	125	62.24
G709-05100	5	100	13.27	G709-12160	12	150	67.62
G709-0640	6	40	7.32	G709-12200	12	200	89.52
G709-0663	6	63	10.42	G709-14100	14	100	62.28
G709-0680	6	80	11.59	G709-14125	14	125	85.77
G709-06100	6	100	13.32	G709-14160	14	150	102.15
G709-06125	6	125	18.12	G709-14200	14	200	130.57
G709-06160	6	150	19.84	G709-16100	16	100	68.36
G709-06200	6	200	28.64	G709-16125	16	125	90.61
G709-0840	8	40	13.21	G709-16160	16	150	103.90
G709-0863	8	63	15.09	G709-16200	16	200	134.30
G709-0880	8	80	17.23	G709-18160	18	150	129.05
G709-08100	8	100	20.04	G709-18200	18	200	171.11
G709-08125	8	125	27.29	G709-20160	20	150	135.07
G709-08160	8	150	30.55	G709-20200	20	200	183.09
G709-08200	8	200	41.17	G709-20250	20	250	214.61
G709-1063	10	63	20.30	G709-25160	25	150	147.13
G709-1080	10	80	23.33	G709-25200	25	200	239.24
G709-10100	10	100	27.27	G709-25250	25	250	279.36

CAPITAL

CUTTING TOOLS



SQUARE TOOLBITS

HSS Co - IMPERIAL

Code	W	Length	\$ ea.	Code	W	Length	\$ ea.
G709-0185	3/16	2.1/2"	8.05	G709-0378	3/8	8"	68.14
G709-0183	3/16	3"	9.02	G709-0434	7/16	4"	44.09
G709-0184	3/16	4"	13.39	G709-0436	7/16	6"	49.14
G709-0255	1/4	2.1/2"	10.22	G709-0503	1/2	3"	40.50
G709-0253	1/4	3"	11.89	G709-0504	1/2	4"	45.83
G709-0254	1/4	4"	15.75	G709-0506	1/2	6"	51.39
G709-0256	1/4	6"	34.24	G709-0508	1/2	8"	82.92
G709-0258	1/4	8"	36.96	G709-0624	5/8	4"	65.47
G709-0315	5/16	2.1/2"	11.63	G709-0625	5/8	5"	90.86
G709-0313	5/16	3"	14.07	G709-0626	5/8	6"	101.57
G709-0314	5/16	4"	18.90	G709-0628	5/8	8"	125.24
G709-0316	5/16	6"	40.96	G709-0754	3/4	4"	63.32
G709-0318	5/16	8"	50.94	G709-0755	3/4	5"	69.16
G709-0373	3/8	3"	16.73	G709-0756	3/4	6"	124.26
G709-0374	3/8	4"	22.38	G709-0876	7/8	6"	179.84
G709-0375	3/8	5"	33.07	G709-1006	1"	6"	205.75
G709-0376	3/8	6"	46.05	G709-1008	1"	8"	277.31