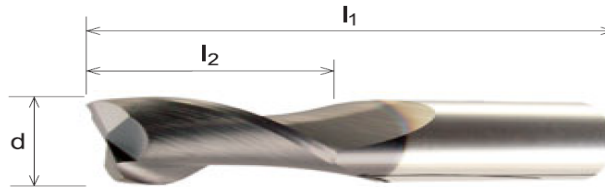


CAPITAL

CUTTING TOOLS



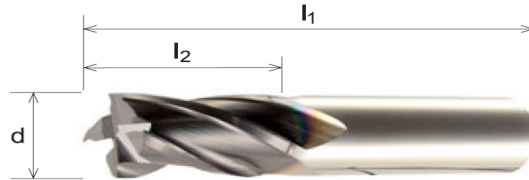
CARBIDE SLOT DRILLS - TiCN COATED

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



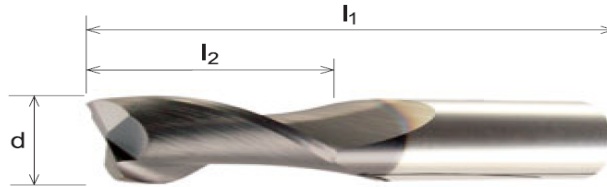
CARBIDE END MILLS - TiCN COATED

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

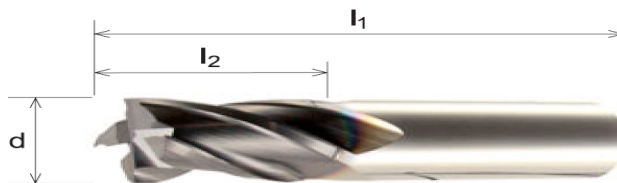
CUTTING TOOLS



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					



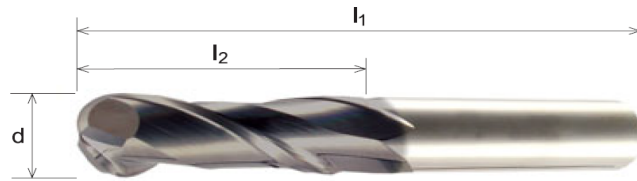
CARBIDE LONG SERIES END MILLS - TiCN COATED

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

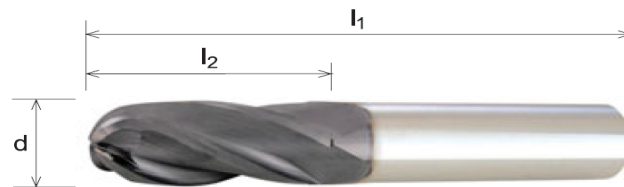
CUTTING TOOLS



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



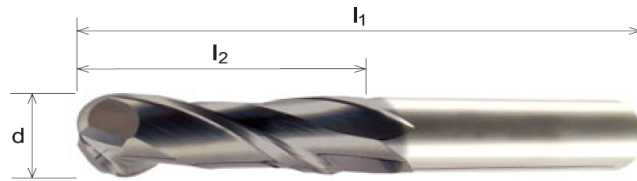
CARBIDE BALL NOSE END MILLS - TiCN COATED

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

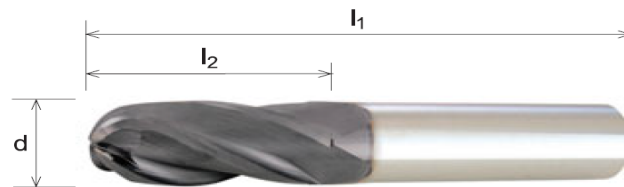
CUTTING TOOLS



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