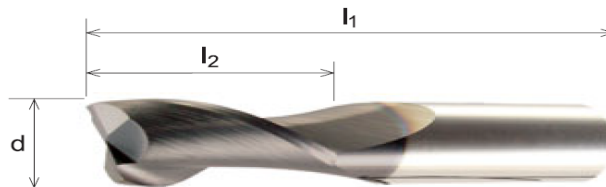


CAPITAL

CUTTING TOOLS



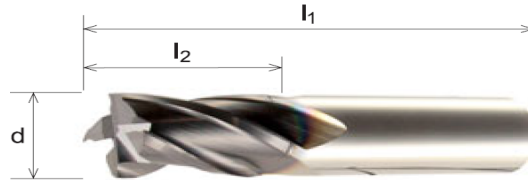
CARBIDE SLOT DRILLS - TiCN COATED

MICRO-GRAIN CARBIDE - CNC GROUND

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
TCSD615	3.0	9	39	29.08	TCSD645	3/8	21	68	71.21
TCSD616	1/8	9	39	26.99	TCSD647	10.0	22	76	87.24
TCSD617	3.5	9	39	34.70	TCSD648	13/32	22	76	122.66
TCSD619	5/32	14	51	52.97	TCSD649	10.5	22	76	99.76
TCSD620	4.0	14	51	34.70	TCSD651	11.0	22	76	99.76
TCSD622	4.5	14	51	40.36	TCSD652	7/16	22	76	90.79
TCSD623	3/16	16	51	37.08	TCSD653	11.5	22	76	106.00
TCSD624	5.0	16	51	40.36	TCSD655	15/32	25	76	143.99
TCSD626	5.5	16	51	49.99	TCSD656	12.0	25	76	106.00
TCSD627	7/32	16	51	69.17	TCSD658	12.5	25	76	147.54
TCSD629	6.0	19	51	49.99	TCSD659	1/2	25	76	109.38
TCSD630	1/4	19	51	45.53	TCSD660	13.0	25	76	167.10
TCSD631	6.5	19	51	55.36	TCSD661	13.5	25	76	184.88
TCSD633	7.0	19	51	55.36	TCSD662	14.0	30	89	184.88
TCSD634	9/32	21	63	84.97	TCSD663	9/16	30	89	156.94
TCSD636	7.5	21	63	60.99	TCSD664	5/8	30	89	178.91
TCSD637	5/16	21	63	55.36	TCSD665	16.0	32	89	218.30
TCSD638	8.0	21	63	60.99	TCSD667	18.0	35	102	334.20
TCSD640	8.5	21	63	99.38	TCSD668	3/4	35	102	369.75
TCSD641	11/32	21	63	101.87	TCSD669	20.0	38	102	387.53
TCSD642	9.0	21	68	78.04	TCSD670	22.0	38	102	458.09
TCSD644	9.5	21	68	87.24	TCSD671	25.0	38	102	636.73

CAPITAL

CUTTING TOOLS



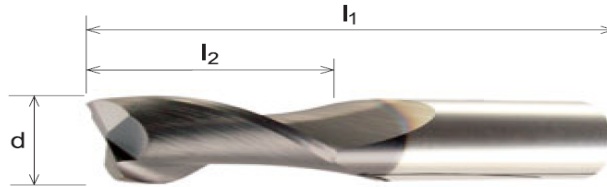
CARBIDE END MILLS - TiCN COATED

MICRO-GRAIN CARBIDE - CNC GROUND

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
TCSE615	3.0	9	39	29.08	TCSE645	3/8	21	68	71.21
TCSE616	1/8	9	39	26.99	TCSE647	10.0	22	76	87.24
TCSE617	3.5	9	39	34.70	TCSE648	13/32	22	76	122.66
TCSE619	5/32	14	51	52.97	TCSE649	10.5	22	76	99.76
TCSE620	4.0	14	51	34.70	TCSE651	11.0	22	76	99.76
TCSE622	4.5	14	51	40.36	TCSE652	7/16	22	76	90.79
TCSE623	3/16	16	51	37.08	TCSE653	11.5	22	76	106.00
TCSE624	5.0	16	51	40.36	TCSE655	15/32	25	76	143.99
TCSE626	5.5	16	51	49.99	TCSE656	12.0	25	76	106.00
TCSE627	7/32	16	51	69.17	TCSE658	12.5	25	76	147.54
TCSE629	6.0	19	51	49.99	TCSE659	1/2	25	76	109.38
TCSE630	1/4	19	51	45.53	TCSE660	13.0	25	76	167.10
TCSE631	6.5	19	51	55.36	TCSE661	13.5	25	76	184.88
TCSE633	7.0	19	51	55.36	TCSE662	14.0	30	89	184.88
TCSE634	9/32	21	63	84.97	TCSE663	9/16	30	89	156.94
TCSE636	7.5	21	63	60.99	TCSE664	5/8	30	89	178.91
TCSE637	5/16	21	63	55.36	TCSE665	16.0	32	89	218.30
TCSE638	8.0	21	63	60.99	TCSE667	18.0	35	102	334.20
TCSE640	8.5	21	63	99.38	TCSE668	3/4	35	102	369.75
TCSE641	11/32	21	63	101.87	TCSE669	20.0	38	102	387.53
TCSE642	9.0	21	68	78.04	TCSE670	22.0	38	102	458.09
TCSE644	9.5	21	68	87.24	TCSE671	25.0	38	102	636.73

CAPITAL

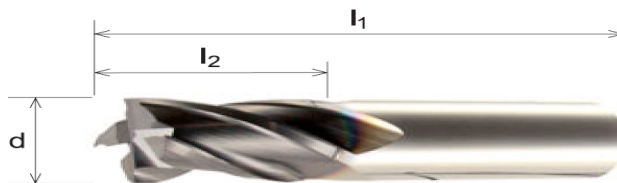
CUTTING TOOLS



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	56.43	CSLT652	7/16	51	102	153.02
CSLT616	1/8	19	57	56.45	CSLT656	12.0	51	102	180.22
CSLT620	4.0	19	57	60.51	CSLT659	1/2	51	102	180.22
CSLT623	3/16	25	64	65.25	CSLT662	14.0	57	127	256.52
CSLT624	5.0	25	64	65.56	CSLT663	9/16	57	127	295.13
CSLT629	6.0	28	76	72.78	CSLT664	5/8	57	127	330.48
CSLT630	1/4	28	76	72.92	CSLT665	16.0	57	127	331.15
CSLT637	5/16	29	76	97.61	CSLT667	18.0	57	127	402.45
CSLT638	8.0	29	76	97.62	CSLT668	3/4	57	127	412.66
CSLT645	3/8	32	102	114.97	CSLT669	20.0	57	127	465.58
CSLT647	10.0	32	102	129.12					



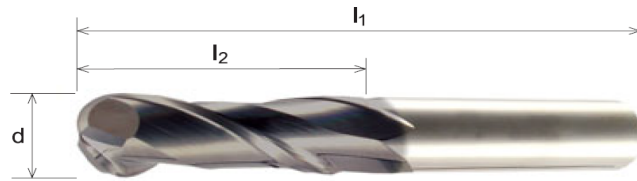
CARBIDE LONG SERIES END MILLS - TiCN COATED

MICRO-GRAIN CARBIDE - CNC GROUND

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
LSTCE615	3.0	19	57	56.43	LSTCE652	7/16	51	102	153.02
LSTCE616	1/8	19	57	56.45	LSTCE656	12.0	51	102	180.22
LSTCE620	4.0	19	57	60.51	LSTCE659	1/2	51	102	180.22
LSTCE623	3/16	25	64	65.25	LSTCE662	14.0	57	127	256.52
LSTCE624	5.0	25	64	65.56	LSTCE663	9/16	57	127	295.13
LSTCE629	6.0	28	76	72.78	LSTCE664	5/8	57	127	330.48
LSTCE630	1/4	28	76	72.92	LSTCE665	16.0	57	127	331.15
LSTCE637	5/16	29	76	97.61	LSTCE667	18.0	57	127	402.45
LSTCE638	8.0	29	76	97.62	LSTCE668	3/4	57	127	412.66
LSTCE645	3/8	32	102	114.97	LSTCE669	20.0	57	127	465.58
LSTCE647	10.0	32	102	129.12					

CAPITAL

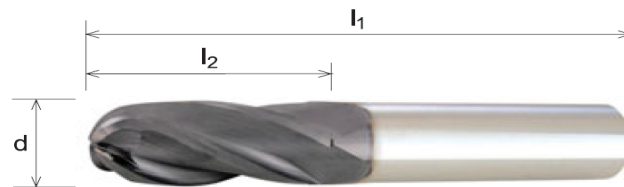
CUTTING TOOLS



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	34.58	TCSSB647	10.0	22	76	103.50
TCSSB616	1/8	9	39	35.38	TCSSB652	7/16	22	76	113.95
TCSSB620	4.0	14	51	41.71	TCSSB656	12.0	25	76	125.72
TCSSB623	3/16	16	51	42.31	TCSSB659	1/2	25	76	128.53
TCSSB624	5.0	16	51	48.85	TCSSB662	14.0	30	89	221.19
TCSSB629	6.0	19	51	61.46	TCSSB663	9/16	30	89	225.24
TCSSB630	1/4	19	51	60.27	TCSSB664	5/8	30	89	264.15
TCSSB637	5/16	21	63	73.95	TCSSB665	16.0	32	89	259.67
TCSSB638	8.0	21	63	72.59	TCSSB667	18.0	35	102	386.78
TCSSB640	9.0	21	63	81.20	TCSSB668	3/4	35	102	414.19
TCSSB645	3/8	21	68	101.87	TCSSB669	20.0	38	102	462.28



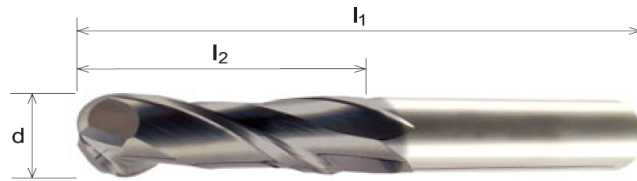
CARBIDE BALL NOSE END MILLS - TiCN COATED

MICRO-GRAIN CARBIDE - CNC GROUND

Code	Size	l ₂	l ₁	\$ ea.	Code	Size	l ₂	l ₁	\$ ea.
TCEB615	3.0	9	39	34.58	TCEB652	7/16	22	76	113.95
TCEB616	1/8	9	39	35.38	TCEB656	12.0	25	76	125.72
TCEB620	4.0	14	51	41.71	TCEB659	1/2	25	76	128.53
TCEB623	3/16	16	51	42.31	TCEB662	14.0	30	89	221.19
TCEB624	5.0	16	51	48.85	TCEB663	9/16	30	89	225.24
TCEB629	6.0	19	51	61.46	TCEB664	5/8	30	89	264.15
TCEB630	1/4	19	51	60.27	TCEB665	16.0	32	89	259.67
TCEB637	5/16	21	63	73.95	TCEB667	18.0	35	102	386.78
TCEB638	8.0	21	63	72.59	TCEB668	3/4	35	102	414.19
TCEB645	3/8	21	68	101.87	TCEB669	20.0	38	102	462.28
TCEB647	10.0	22	76	103.50					

CAPITAL

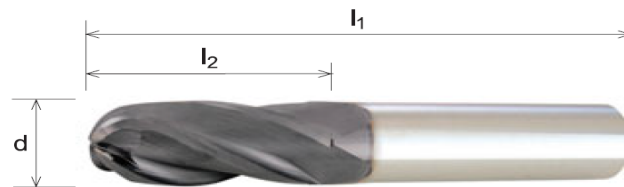
CUTTING TOOLS



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	61.97	LECSB652	7/16	51	102	181.38
LECSB616	1/8	19	57	60.35	LECSB656	12.0	51	102	199.94
LECSB620	4.0	19	57	67.52	LECSB659	1/2	51	102	206.89
LECSB623	3/16	25	64	74.07	LECSB662	14.0	57	127	293.41
LECSB624	5.0	25	64	74.07	LECSB663	9/16	57	127	329.98
LECSB629	6.0	28	76	84.25	LECSB664	5/8	57	127	377.22
LECSB630	1/4	28	76	87.93	LECSB665	16.0	57	127	374.46
LECSB637	5/16	29	76	116.52	LECSB667	18.0	57	127	468.94
LECSB638	8.0	29	76	109.21	LECSB668	3/4	57	127	487.68
LECSB645	3/8	32	102	144.64	LECSB669	20.0	57	127	546.86
LECSB647	10.0	32	102	145.37					



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	61.97	LTCEB652	7/16	51	102	181.37
LTCEB616	1/8	19	57	60.35	LTCEB656	12.0	51	102	199.94
LTCEB620	4.0	19	57	67.52	LTCEB659	1/2	51	102	206.90
LTCEB623	3/16	25	64	74.07	LTCEB662	14.0	57	127	292.85
LTCEB624	5.0	25	64	74.07	LTCEB663	9/16	57	127	329.97
LTCEB629	6.0	28	76	84.25	LTCEB664	5/8	57	127	377.22
LTCEB630	1/4	28	76	87.92	LTCEB665	16.0	57	127	374.45
LTCEB637	5/16	29	76	116.53	LTCEB667	18.0	57	127	468.93
LTCEB638	8.0	29	76	109.21	LTCEB668	3/4	57	127	487.68
LTCEB645	3/8	32	102	144.64	LTCEB669	20.0	57	127	546.86
LTCEB647	10.0	32	102	145.38					

CAPITAL

CUTTING TOOLS



CARBIDE SLOT DRILL SETS - TiCN COATED

Code	Sizes	\$ ea.
CSDS-0412	M4, M5, M6, M8, M10, M12	322.19
CSDS-0416	M4, M5, M6, M8, M10, M12, M16	398.51
CSDS-0420	M4, M5, M6, M8, M10, M12, M16, M20	573.20

CARBIDE END MILL SETS - TiCN COATED

Code	Sizes	\$ ea.
CEMS-0412	M4, M5, M6, M8, M10, M12	322.19
CEMS-0416	M4, M5, M6, M8, M10, M12, M16	398.51
CEMS-0420	M4, M5, M6, M8, M10, M12, M16, M20	573.20

CARBIDE BALL NOSE SLOT DRILL SETS - TiCN COATED

Code	Sizes	\$ ea.
CBNSDS-0412	M4, M5, M6, M8, M10, M12	414.88
CBNSDS-0416	M4, M5, M6, M8, M10, M12, M16	480.39
CBNSDS-0420	M4, M5, M6, M8, M10, M12, M16, M20	698.75

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