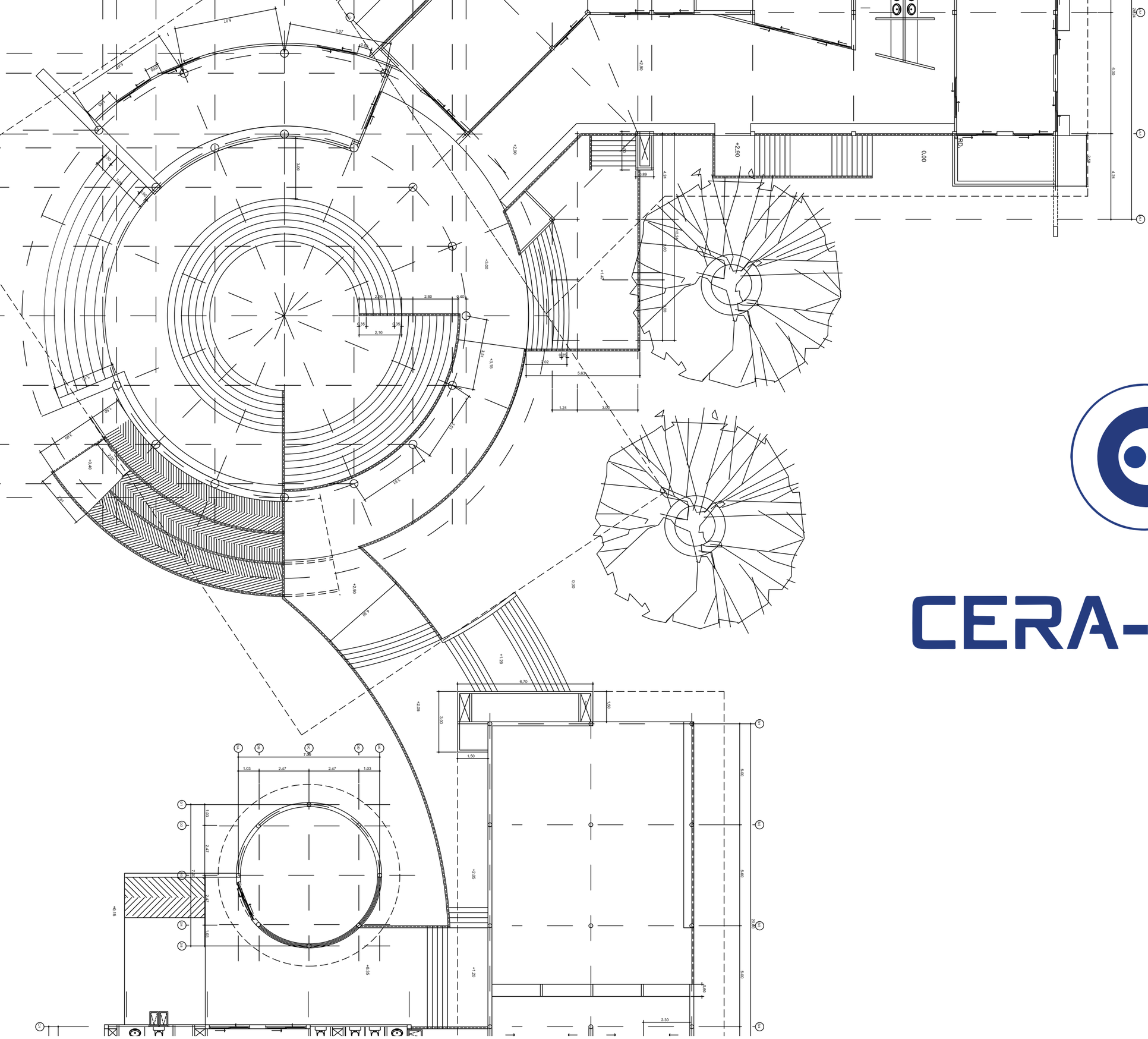


CERA-TECH™

INSPECTED

CATALOG

03

TCAP-
WC 20
SP 20
WC
SP
WD
SO
XO
HWC
HSP

SD 123

SDT 129

SMD 145
SMD

EMD 153
EMD

HSD 170
HSD

HMD 178
HMD
HMD
HMD
HMD
HMD
HMD

EMDT 185
HMDG

AMD 195

T2139 197
T2139
T2139

BNM 199
BNM
BNM

ABPF/ARPF 201
ABPF
ABPF

BCF 204
BCF
ASP

ASP 206
ASM
ASM

BAP/EMR 209
300R/400R
EMR-4R/5R/6R
BAP300R
EME4R 5R

R390 215
R390

R200
ASR2R

GTB- 219
GTB–
CA–

226

228

230

TCAP Series

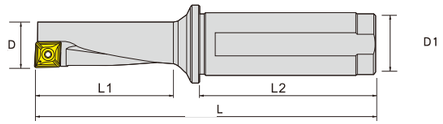
Single Edge small diameter drill bit

TCAP



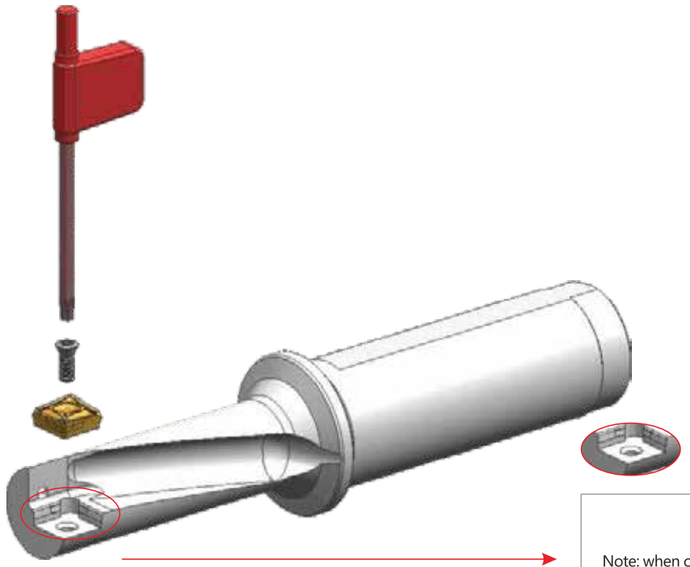
TCAP-small diameter drill TCAP-





■ TCAP series - fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	(D1) (L2)					
TCAP-08R-2D-N12	2D	16	67	8	12/50	XCMT040104	M2X4L	T6	89	●
TCAP-10R-2D-N12	2D	20	77	10	12/50	XCMT050204	M2X4L	T6	89	●
TCAP-12R-2D-N16	2D	24	84	12	16/50	XCMT060204	M2.2X5L	T6	100	●
TCAP-14R-2D-N16	2D	28	90	14	16/50	XCMT070304	M2.5X6L	T8	100	●
TCAP-08R-3D-N12	3D	24	75	8	12/50	XCMT040104	M2X4L	T6	100	●
TCAP-10R-3D-N12	3D	30	87	10	12/50	XCMT050204	M2X4L	T6	100	●
TCAP-12R-3D-N16	3D	36	96	12	16/50	XCMT060204	M2.2X5L	T6	112	●
TCAP-14R-3D-N16	3D	42	104	14	16/50	XCMT070304	M2.5X6L	T8	112	●



Note: when cutting tool assembly, pay attention to cleaning up the cutter headThe dirt, to avoid the impact of precision tool.

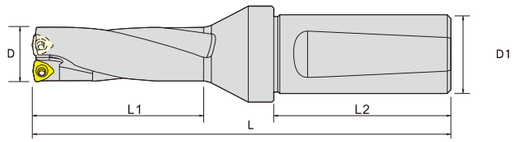
WC Fast C20 drilling

WC 20



WC-2 Fast C20 driling WC-2



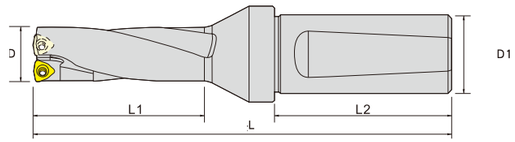


WC-2 Fast C20 drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC02-2D-10.5-C20	2D	21	89	10.5	20/50	WCMX020102	M1.8x4L	T6	260	●
WC02-2D-11.0-C20	2D	22	90	11	20/50				260	●
WC02-2D-11.5-C20	2D	23	91	11.5	20/50				260	●
WC02-2D-12.0-C20	2D	24	91	12	20/50				260	●
WC02-2D-12.5-C20	2D	25	92	12.5	20/50				260	●
WC02-2D-13.0-C20	2D	26	92.5	13	20/50				200	●
WC02-2D-13.5-C20	2D	27	93.5	13.5	20/50				200	●
WC03-2D-14.0-C20	2D	28	95	14	20/50	WCMX030208	M2.5x6L	T8	200	●
WC03-2D-14.5-C20	2D	29	96	14.5	20/50				200	●
WC03-2D-15.0-C20	2D	30	97	15	20/50				200	●
WC03-2D-15.5-C20	2D	31	98	15.5	20/50				200	●
WC03-2D-16.0-C20	2D	32	99	16	20/50				200	●
WC03-2D-16.5-C20	2D	33	100	16.5	20/50				200	●
WC03-2D-17.0-C20	2D	34	101	17	20/50				200	●
WC03-2D-17.5-C20	2D	35	102	17.5	20/50				200	●
WC03-2D-18.0-C20	2D	36	103	18	20/50				200	●
WC03-2D-18.5-C20	2D	37	104	18.5	20/50				200	●
WC03-2D-19.0-C20	2D	38	105	19	20/50				200	●
WC03-2D-19.5-C20	2D	39	106	19.5	20/50				200	●
WC04-2D-20.0-C20	2D	40	107	20	20/50	WCMX040208			200	●
WC04-2D-20.5-C20	2D	41	108	20.5	20/50				200	●
WC04-2D-21.0-C20	2D	42	109	21	20/50				275	●
WC04-2D-21.5-C20	2D	43	110	21.5	20/50				275	●
WC04-2D-22.0-C20	2D	44	111	22	20/50				275	●
WC04-2D-22.5-C20	2D	45	112	22.5	20/50				275	●
WC04-2D-23.0-C20	2D	46	113	23	20/50				275	●
WC04-2D-23.5-C20	2D	47	114	23.5	20/50				275	●
WC05-2D-24.0-C20	2D	48	115	24	20/50	WCMX050308	M3x7L		275	●
WC05-2D-25.0-C20	2D	50	117	25	20/50				275	●

WC-3 Fast C20 driling WC-3



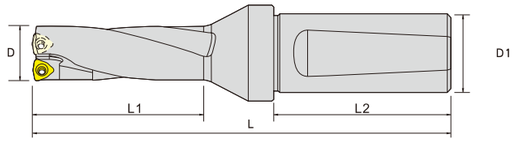


WC-3 Fast C20 drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC02-3D-10.5-C20	3D	31.5	99.5	10. 5	20/50	WCMX020102	M1.8x4L	T6	320	●
WC02-3D-11.0-C20	3D	33	101	11	20/50				320	●
WC02-3D-11.5-C20	3D	34.5	102.5	11. 5	20/50				320	●
WC02-3D-12.0-C20	3D	36	103	12	20/50				320	●
WC02-3D-12.5-C20	3D	37.5	104.5	12. 5	20/50				320	●
WC02-3D-13.0-C20	3D	39	105.5	13	20/50				240	●
WC02-3D-13.5-C20	3D	40.5	107	13. 5	20/50				240	●
WC03-3D-14.0-C20	3D	42	109	14	20/50	WCMX030208	M2.5X6L	T8	240	●
WC03-3D-14.5-C20	3D	43. 5	110. 5	14. 5	20/50				240	●
WC03-3D-15.0-C20	3D	45	112	15	20/50				240	●
WC03-3D-15.5-C20	3D	46. 5	113. 5	15. 5	20/50				240	●
WC03-3D-16.0-C20	3D	48	115	16	20/50				240	●
WC03-3D-16.5-C20	3D	49. 5	116. 5	16. 5	20/50				240	●
WC03-3D-17.0-C20	3D	51	118	17	20/50				240	●
WC03-3D-17.5-C20	3D	52. 5	119. 5	17. 5	20/50				240	●
WC03-3D-18.0-C20	3D	54	121	18	20/50				240	●
WC03-3D-18.5-C20	3D	55. 5	122. 5	18. 5	20/50				240	●
WC03-3D-19.0-C20	3D	57	124	19	20/50				240	●
WC03-3D-19.5-C20	3D	58. 5	125. 5	19. 5	20/50				240	●
WC04-3D-20.0-C20	3D	60	127	20	20/50	WCMX040208			240	●
WC04-3D-20.5-C20	3D	61. 5	128. 5	20. 5	20/50				240	●
WC04-3D-21.0-C20	3D	63	130	21	20/50				320	●
WC04-3D-21.5-C20	3D	64. 5	131. 5	21. 5	20/50				320	●
WC04-3D-22.0-C20	3D	66	133	22	20/50				320	●
WC04-3D-22.5-C20	3D	67. 5	134. 5	22. 5	20/50				320	●
WC04-3D-23.0-C20	3D	69	136	23	20/50				320	●
WC04-3D-23.5-C20	3D	70. 5	137. 5	23. 5	20/50				320	●
WC05-3D-24.0-C20	3D	72	139	24	20/50	WCMX050308	M3X7L		320	●
WC05-3D-25.0-C20	3D	75	142	25	20/50				320	●

WC-4 Fast C20 driling WC-4



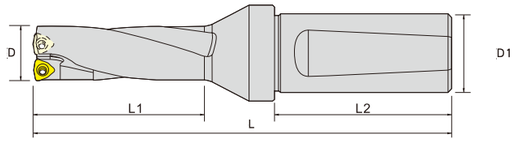


WC-4 Fast C20 drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC02-4D-10.5-C20	4D	42	110	10. 5	20/50	WCMX020102	M1.8x4L	T6	340	●
WC02-4D-11.0-C20	4D	44	112	11	20/50				340	●
WC02-4D-11.5-C20	4D	46	114	11. 5	20/50				340	●
WC02-4D-12.0-C20	4D	48	115	12	20/50				340	●
WC02-4D-12.5-C20	4D	50	117	12. 5	20/50				340	●
WC02-4D-13.0-C20	4D	52	118.5	13	20/50				280	●
WC02-4D-13.5-C20	4D	54	120.5	13. 5	20/50				280	●
WC03-4D-14.0-C20	4D	56	123	14	20/50	WCMX030208	M2.5X6L	T8	280	●
WC03-4D-14.5-C20	4D	58	125	14. 5	20/50				280	●
WC03-4D-15.0-C20	4D	60	127	15	20/50				280	●
WC03-4D-15.5-C20	4D	62	129	15. 5	20/50				280	●
WC03-4D-16.0-C20	4D	64	131	16	20/50				280	●
WC03-4D-16.5-C20	4D	66	133	16. 5	20/50				280	●
WC03-4D-17.0-C20	4D	68	135	17	20/50				280	●
WC03-4D-17.5-C20	4D	70	137	17. 5	20/50				280	●
WC03-4D-18.0-C20	4D	72	139	18	20/50				280	●
WC03-4D-18.5-C20	4D	74	141	18. 5	20/50				280	●
WC03-4D-19.0-C20	4D	76	143	19	20/50				280	●
WC03-4D-19.5-C20	4D	78	145	19. 5	20/50				280	●
WC04-4D-20.0-C20	4D	80	147	20	20/50	WCMX040208			280	●
WC04-4D-20.5-C20	4D	82	149	20. 5	20/50				380	●
WC04-4D-21.0-C20	4D	84	151	21	20/50				380	●
WC04-4D-21.5-C20	4D	86	153	21. 5	20/50				380	●
WC04-4D-22.0-C20	4D	88	155	22	20/50				380	●
WC04-4D-22.5-C20	4D	90	157	22. 5	20/50				380	●
WC04-4D-23.0-C20	4D	92	159	23	20/50				380	●
WC04-4D-23.5-C20	4D	94	161	23. 5	20/50				380	●
WC05-4D-24.0-C20	4D	96	163	24	20/50	WCMX050308	M3X7L		380	●
WC05-4D-25.0-C20	4D	100	167	25	20/50				380	●

WC-5 Fast C20 driling WC-5





WC-5 Fast C20 drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC03-5D-14.0-C20	5D	70	137	14	20/56	WCMX030208	M2.5x6L	T8	491	●
WC03-5D-14.5-C20	5D	72.5	139.5	14.5	20/56				491	●
WC03-5D-15.0-C20	5D	75	142	15	20/56				491	●
WC03-5D-15.5-C20	5D	77.5	144.5	15.5	20/56				491	●
WC03-5D-16.0-C20	5D	80	147	16	20/56				491	●
WC03-5D-16.5-C20	5D	82.5	149.5	16.5	20/56				491	●
WC03-5D-17.0-C20	5D	85	152	17	20/56				491	●
WC03-5D-17.5-C20	5D	87.5	154.5	17.5	20/56				491	●
WC03-5D-18.0-C20	5D	90	157	18	20/56				491	●
WC03-5D-18.5-C20	5D	92.5	159.5	18.5	20/56				491	●
WC03-5D-19.0-C20	5D	95	162	19	20/56				491	●
WC03-5D-19.5-C20	5D	97.5	164.5	19.5	20/56				491	●
WC04-5D-20.0-C20	5D	100	167	20	20/56	WCMX040208			510	●
WC04-5D-20.5-C20	5D	102.5	169.5	20.5	20/56				510	●
WC04-5D-21.0-C20	5D	105	172	21	20/56				515	●
WC04-5D-21.5-C20	5D	107.5	174.5	21.5	20/56				515	●
WC04-5D-22.0-C20	5D	110	177	22	20/56				528	●
WC04-5D-22.5-C20	5D	112.5	179.5	22.5	20/56				528	●
WC04-5D-23.0-C20	5D	115	182	23	20/56				528	●
WC04-5D-23.5-C20	5D	117.5	184.5	23.5	20/56				528	●
WC05-5D-24.0-C20	5D	120	187	24	20/56	WCMX050308	M3x7L		546	●
WC05-5D-25.0-C20	5D	125	192	25	20/56				546	●

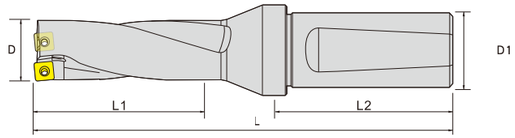
SP Fast C20 drilling

SP 20



SP-2 Fast C20 driling SP-2



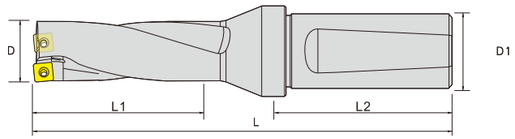


■ SP-2 Fast C20 drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
SP02-2D-8.5-C20	2D	17	85	8.5	20/50				260	●
SP02-2D-9.0-C20	2D	18	86	9	20/50	SPMG020102	M1.8x3.2L		260	●
SP02-2D-9.5-C20	2D	19	87	9.5	20/50				260	●
SP04-2D-10.0-C20	2D	20	88	10	20/50				260	●
SP04-2D-10.5-C20	2D	21	89	10.5	20/50				260	●
SP04-2D-11.0-C20	2D	22	89.5	11	20/50	SPMG040202	M1.8x4.0L		260	●
SP04-2D-11.5-C20	2D	23	90	11.5	20/50				260	●
SP04-2D-12.0-C20	2D	24	91	12	20/50				260	●
SP04-2D-12.5-C20	2D	25	92	12.5	20/50	SPMG040204	M2.0x5.5L		260	●
SP05-2D-13.0-C20	2D	26	93	13	20/50				200	●
SP05-2D-13.5-C20	2D	27	94	13.5	20/50				200	●
SP05-2D-14.0-C20	2D	28	95	14	20/50				200	●
SP05-2D-14.5-C20	2D	29	96	14.5	20/50				200	●
SP05-2D-15.0-C20	2D	30	97	15	20/50				200	●
SP05-2D-15.5-C20	2D	31	98	15.5	20/50				200	●
SP05-2D-16.0-C20	2D	32	99	16	20/50	SPMG050204	M2.2x5.5L	T6	200	●
SP05-2D-16.5-C20	2D	33	100	16.5	20/50				200	●
SP05-2D-17.0-C20	2D	34	101	17	20/50				200	●
SP05-2D-17.5-C20	2D	35	102	17.5	20/50				200	●
SP05-2D-18.0-C20	2D	36	103	18	20/50				200	●
SP05-2D-18.5-C20	2D	37	104	18.5	20/50				200	●
SP06-2D-19.0-C20	2D	38	105	19	20/50				200	●
SP06-2D-19.5-C20	2D	39	106	19.5	20/50				200	●
SP06-2D-20.0-C20	2D	40	107	20	20/50				200	●
SP06-2D-20.5-C20	2D	41	108	20.5	20/50				200	●
SP06-2D-21.0-C20	2D	42	109	21	20/50	SPMG060204	M2.5x6L	T8	275	●
SP06-2D-21.5-C20	2D	43	110	21.5	20/50				275	●
SP06-2D-22.0-C20	2D	44	111	22	20/50				275	●
SP06-2D-22.5-C20	2D	45	112	22.5	20/50				275	●
SP07-2D-23.0-C20	2D	46	113	23	20/50				275	●
SP07-2D-23.5-C20	2D	47	114	23.5	20/50	SPMG07T308	M2.5x7L		275	●
SP07-2D-24.0-C20	2D	48	115	24	20/50				275	●

SP-3 Fast C20 driling SP-3



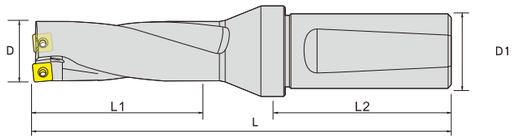


SP-3 Fast C20 drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
SP02-3D-8.5-C20	3D	25.5	93.5	8.5	20/50	SPMG020102	M1.8x3.1L	T6	320	●
SP02-3D-9.0-C20	3D	27	95	9	20/50				320	●
SP02-3D-9.5-C20	3D	28.5	96.5	9.5	20/50				320	●
SP04-3D-10.0-C20	3D	30	98	10	20/50	SPMG040202	M1.8x4L		320	●
SP04-3D-10.5-C20	3D	31.5	99.5	10.5	20/50				320	●
SP04-3D-11.0-C20	3D	33	100.5	11	20/50				320	●
SP04-3D-11.5-C20	3D	34.5	101.5	11.5	20/50				320	●
SP04-3D-12.0-C20	3D	36	103	12	20/50	SPMG040202 SPMG040204	M1.8x4L M2.0x5.5L		320	●
SP04-3D-12.5-C20	3D	37.5	105	12.5	20/50				320	●
SP05-3D-13.0-C20	3D	39	106	13	20/50	SPMG050204	M2.2x5.5L		240	●
SP05-3D-13.5-C20	3D	40.5	107.5	13.5	20/50				240	●
SP05-3D-14.0-C20	3D	42	109	14	20/50				240	●
SP05-3D-14.5-C20	3D	43.5	110.5	14.5	20/50				240	●
SP05-3D-15.0-C20	3D	45	112	15	20/50				240	●
SP05-3D-15.5-C20	3D	46.5	113.5	15.5	20/50				240	●
SP05-3D-16.0-C20	3D	48	115	16	20/50				240	●
SP05-3D-16.5-C20	3D	49.5	116.5	16.5	20/50				240	●
SP05-3D-17.0-C20	3D	51	118	17	20/50				240	●
SP05-3D-17.5-C20	3D	52.5	119.5	17.5	20/50				240	●
SP05-3D-18.0-C20	3D	54	121	18	20/50				240	●
SP05-3D-18.5-C20	3D	55.5	122.5	18.5	20/50				240	●
SP06-3D-19.0-C20	3D	57	124	19	20/50	SPMG060204	M2.5x6L	T8	240	●
SP06-3D-19.5-C20	3D	58.5	125.5	19.5	20/50				240	●
SP06-3D-20.0-C20	3D	60	127	20	20/50				240	●
SP06-3D-20.5-C20	3D	61.5	128.5	20.5	20/50				240	●
SP06-3D-21.0-C20	3D	63	130	21	20/50				320	●
SP06-3D-21.5-C20	3D	64.5	131.5	21.5	20/50				320	●
SP06-3D-22.0-C20	3D	66	133	22	20/50				320	●
SP06-3D-22.5-C20	3D	67.5	134.5	22.5	20/50				320	●
SP07-3D-23.0-C20	3D	69	136	23	20/50	SPMG07T308	M2.5x7L		320	●
SP07-3D-23.5-C20	3D	70.5	137.5	23.5	20/50				320	●
SP07-3D-24.0-C20	3D	72	139	24	20/50				320	●

SP-4 Fast C20 driling SP-4



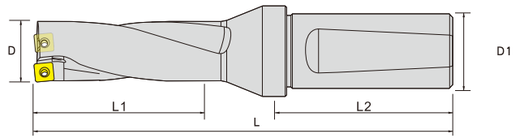


SP-4 Fast C20 drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
SP02-4D-8.5-C20	4D	34	102	8.5	20/50	SPMG020102	M1.8x3.1L	T6	340	●
SP02-4D-9.0-C20	4D	36	104	9	20/50				340	●
SP02-4D-9.5-C20	4D	38	106	9.5	20/50				340	●
SP04-4D-10.0-C20	4D	40	108	10	20/50	SPMG040202	M1.8x4L		340	●
SP04-4D-10.5-C20	4D	42	110	10.5	20/50				340	●
SP04-4D-11.0-C20	4D	44	112	11	20/50				340	●
SP04-4D-11.5-C20	4D	46	114	11.5	20/50				340	●
SP04-4D-12.0-C20	4D	48	115	12	20/50	SPMG040202 SPMG040204	M1.8x4L M2.0x5.5L		340	●
SP04-4D-12.5-C20	4D	50	117	12.5	20/50				340	●
SP05-4D-13.0-C20	4D	52	119	13	20/50	SPMG050204	M2.2x5.5L		340	●
SP05-4D-13.5-C20	4D	54	121	13.5	20/50				340	●
SP05-4D-14.0-C20	4D	56	123	14	20/50				340	●
SP05-4D-14.5-C20	4D	58	125	14.5	20/50				340	●
SP05-4D-15.0-C20	4D	60	127	15	20/50				340	●
SP05-4D-15.5-C20	4D	62	129	15.5	20/50				340	●
SP05-4D-16.0-C20	4D	64	131	16	20/50				340	●
SP05-4D-16.5-C20	4D	66	133	16.5	20/50				340	●
SP05-4D-17.0-C20	4D	68	135	17	20/50				340	●
SP05-4D-17.5-C20	4D	70	137	17.5	20/50				340	●
SP05-4D-18.0-C20	4D	72	139	18	20/50				340	●
SP05-4D-18.5-C20	4D	74	141	18.5	20/50				340	●
SP06-4D-19.0-C20	4D	76	143	19	20/50	SPMG060204	M2.5x6L	T8	340	●
SP06-4D-19.5-C20	4D	78	145	19.5	20/50				340	●
SP06-4D-20.0-C20	4D	80	147	20	20/50				340	●
SP06-4D-20.5-C20	4D	82	149	20.5	20/50				340	●
SP06-4D-21.0-C20	4D	84	151	21	20/50				340	●
SP06-4D-21.5-C20	4D	86	153	21.5	20/50				340	●
SP06-4D-22.0-C20	4D	88	155	22	20/50				340	●
SP06-4D-22.5-C20	4D	90	157	22.5	20/50				340	●
SP07-4D-23.0-C20	4D	92	159	23	20/50	SPMG07T308	M2.5x7L		340	●
SP07-4D-23.5-C20	4D	94	161	23.5	20/50				340	●
SP07-4D-24.0-C20	4D	96	163	24	20/50				340	●

SP-5 Fast C20 driling SP-5





■ SP-5 Fast C20 drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
SP05-5D-13.0-C20	5D	65	132	13	20/50	SPMG050204	M2.2x5.5L	T6	491	●
SP05-5D-13.5-C20	5D	67.5	134.5	13.5	20/50				491	●
SP05-5D-14.0-C20	5D	70	137	14	20/50				491	●
SP05-5D-14.5-C20	5D	72.5	139.5	14.5	20/50				491	●
SP05-5D-15.0-C20	5D	75	142	15	20/50				491	●
SP05-5D-15.5-C20	5D	77.5	144.5	15.5	20/50				491	●
SP05-5D-16.0-C20	5D	80	147	16	20/50				491	●
SP05-5D-16.5-C20	5D	82.5	149.5	16.5	20/50				491	●
SP05-5D-17.0-C20	5D	85	152	17	20/50				491	●
SP05-5D-17.5-C20	5D	87.5	154.5	17.5	20/50				491	●
SP05-5D-18.0-C20	5D	90	157	18	20/50				491	●
SP05-5D-18.5-C20	5D	92.5	159.5	18.5	20/50				491	●
SP06-5D-19.0-C20	5D	95	162	19	20/50	SPMG060204	M2.5x6L	T8	491	●
SP06-5D-19.5-C20	5D	97.5	164.5	19.5	20/50				491	●
SP06-5D-20.0-C20	5D	100	167	20	20/50				510	●
SP06-5D-20.5-C20	5D	102.5	169.5	20.5	20/50				510	●
SP06-5D-21.0-C20	5D	105	172	21	20/50				515	●
SP06-5D-21.5-C20	5D	107.5	174.5	21.5	20/50				515	●
SP06-5D-22.0-C20	5D	110	177	22	20/50				528	●
SP06-5D-22.5-C20	5D	112.5	179.5	22.5	20/50				528	●
SP07-5D-23.0-C20	5D	115	182	23	20/50	SPMG07T308	M2.5x7L		528	●
SP07-5D-23.5-C20	5D	117.5	184.5	23.5	20/50				528	●
SP07-5D-24.0-C20	5D	120	187	24	20/50				546	●

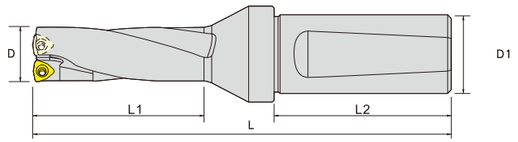
WC times faster drill series

WC



WC-2 Fast driling WC-2



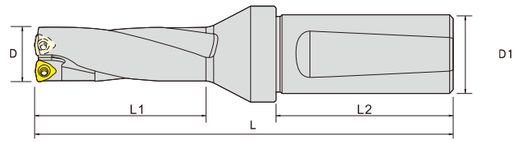


■ WC-2 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC03-2D-14-C25A	2D	28	106	14	25/56	WCMX030208	M2.5x6L	T8	200	●
WC03-2D-14.5-C25A	2D	29	107	14.5	25/56				200	●
WC03-2D-15-C25A	2D	30	108	15	25/56				200	●
WC03-2D-15.5-C25A	2D	31	109	15.5	25/56				200	●
WC03-2D-16-C25A	2D	32	110	16	25/56				200	●
WC03-2D-16.5-C25A	2D	33	111	16.5	25/56				200	●
WC03-2D-17-C25A	2D	34	112	17	25/56				200	●
WC03-2D-17.5-C25A	2D	35	113	17.5	25/56				200	●
WC03-2D-18-C25A	2D	36	114	18	25/56				200	●
WC03-2D-18.5-C25A	2D	37	115	18.5	25/56				200	●
WC03-2D-19-C25A	2D	38	116	19	25/56				200	●
WC03-2D-19.5-C25A	2D	39	117	19.5	25/56				200	●
WC04-2D-20-C25A	2D	40	118	20	25/56	WCMX040208			200	●
WC04-2D-20.5-C25A	2D	41	119	20.5	25/56				200	●
WC04-2D-21-C25A	2D	42	120	21	25/56				275	●
WC04-2D-21.5-C25A	2D	43	121	21.5	25/56				275	●
WC04-2D-22-C25A	2D	44	122	22	25/56				275	●
WC04-2D-22.5-C25A	2D	45	123	22.5	25/56				275	●
WC04-2D-23-C25A	2D	46	124	23	25/56				275	●
WC04-2D-23.5-C25A	2D	47	125	23.5	25/56				275	●
WC05-2D-24-C25A	2D	48	126	24	25/56	WCMX050308	M3x7L		275	●
WC05-2D-24.5-C25A	2D	49	127	24.5	25/56				275	●
WC05-2D-25-C25A	2D	50	128	25	25/56				275	●
WC05-2D-25-C32A	2D	50	136	25	32/60				275	●
WC05-2D-25.5-C25A	2D	51	129	25.5	25/56				275	●
WC05-2D-25.5-C32A	2D	51	137	25.5	32/60				275	●
WC05-2D-26-C32A	2D	52	138	26	32/60				330	●

WC-2 Fast driling WC-2





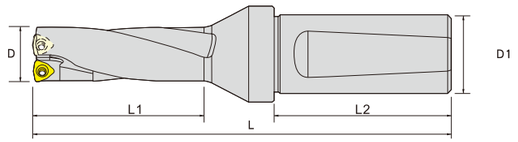
■ WC-2 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC05-2D-26.5-C32A	2D	53	139	26.5	32/60	WCMX050308	M3x7L	T8	330	●
WC05-2D-27-C32A	2D	54	140	27	32/60				330	●
WC05-2D-27.5-032A	2D	55	141	27.5	32/60				330	●
WC05-2D-28-C32A	2D	56	142	28	32/60				330	●
WC05-2D-28.5-C32A	2D	57	143	28.5	32/60				330	●
WC05-2D-29-C32A	2D	58	144	29	32/60				330	●
WC05-2D-29.5-C32A	2D	59	145	29.5	32/60				330	●
WC05-2D-30-C32A	2D	60	146	30	32/60				330	●
WC05-2D-30.5-C32A	2D	61	147	30.5	32/60				330	●
WC06-2D-31-C32A	2D	62	148	31	32/60	WCMT06T308	M3.5x10L	T15	440	●
WC06-2D-31.5-C32A	2D	63	149	31.5	32/60				440	●
WC06-2D-32-C32A	2D	64	150	35	32/60				440	●
WC06-2D-32.5-C32A	2D	65	151	35.5	32/60				440	●
WC06-2D-33-C32A	2D	66	152	33	32/60				440	●
WC06-2D-33.5-C32A	2D	67	153	33.5	32/60				440	●
WC06-2D-34-C32A	2D	68	154	34	32/60				440	●
WC06-2D-34.5-C32A	2D	69	155	34.5	32/60				440	●
WC06-2D-35-C32A	2D	70	156	35	32/60				440	●
WC06-2D-35.5-C32A	2D	71	157	35.5	32/60				440	●
WC06-2D-36-C32A	2D	72	158	36	32/60				440	●
WC06-2D-36.5-C32A	2D	73	159	36.5	32/60				440	●
WC06-2D-37-C32A	2D	74	160	37	32/60				440	●
WC06-2D-37.5-C32A	2D	75	161	37.5	32/60				440	●
WC06-2D-38-C32A	2D	76	162	38	32/60				440	●
WC06-2D-38.5-C32A	2D	77	163	38.5	32/60				440	●

WC-2

WC-2 Fast driling WC-2



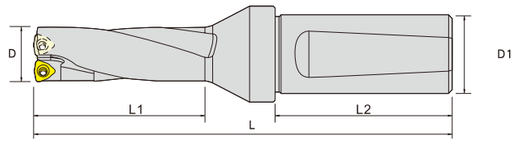


■ WC-2 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC06-2D-39-C32A	2D	78	164	39	32/60	WCMT06T308	M3.5x10L	T15	440	●
WC06-2D-39.5-C32A	2D	79	165	39.5	32/60				440	●
WC06-2D-40-C32A	2D	80	166	40	32/60				440	●
WC06-2D-40-C40A	2D	80	182	40	32/60				440	●
WC06-2D-40.5-C32A	2D	81	167	40.5	32/60				520	●
WC06-2D-41-C32A	2D	82	168	41	32/60				520	●
WC06-2D-41-C40A	2D	82	184	41	32/60				520	●
WC06-2D-41.5-C32A	2D	83	169	41.5	32/60				520	●
WC08-2D-42-C40A	2D	84	186	42	40/70	WCMT080412	M4x10L		520	●
WC08-2D-42.5-C40A	2D	85	187	42.5	40/70				520	●
WC08-2D-43-C40A	2D	86	188	43	40/70				520	●
WC08-2D-43.5-C40A	2D	87	189	43.5	40/70				520	●
WC08-2D-44-C40A	2D	88	190	44	40/70				520	●
WC08-2D-44.5-C40A	2D	89	191	44.5	40/70				520	●
WC08-2D-45-C40A	2D	90	192	45	40/70				520	●
WC08-2D-45.5-C40A	2D	91	193	45.5	40/70				520	●
WC08-2D-46-C40A	2D	92	194	46	40/70				630	●
WC08-2D-46.5-C40A	2D	93	195	46.5	40/70				630	●
WC08-2D-47-C40A	2D	94	196	47	40/70				630	●
WC08-2D-47.5-C40A	2D	95	197	47.5	40/70				630	●
WC08-2D-48-C40A	2D	96	198	48	40/70				630	●
WC08-2D-48.5-C40A	2D	97	199	48.5	40/70				630	●
WC08-2D-49-C40A	2D	98	200	49	40/70				630	●
WC08-2D-49.5-C40	2D	99	201	49.5	40/70				630	●
WC08-2D-50-C40A	2D	100	202	50	40/70				630	●
WC08-2D-50.5-C40A	2D	101	203	50.5	40/70				630	●
WC08-2D-51-C40A	2D	102	206	51	40/70				744	●

WC-2 Fast driling WC-2





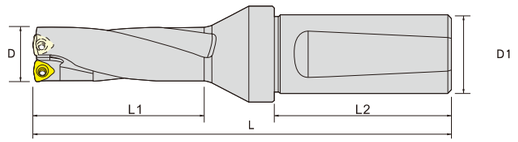
■ WC-2 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC08-2D-51.5-C40A	2D	103	207	51.5	40/70	WCMT080412	M4X10L	T15	744	●
WC08-2D-52-C40A	2D	104	208	52	40/70				744	●
WC08-2D-52.5-C40A	2D	105	209	52.5	40/70				744	●
WC08-2D-53-C40A	2D	106	210	53	40/70				744	●
WC08-2D-53.5-C40A	2D	107	211	53.5	40/70				744	●
WC08-2D-54-C40A	2D	108	212	54	40/70				744	●
WC08-2D-54.5-C40A	2D	109	213	54.5	40/70				744	●
WC08-2D-55-C40A	2D	110	214	55	40/70				744	●
WC08-2D-55.5-C40A	2D	111	215	55.5	40/70				744	●
WC08-2D-56-C40A	2D	112	216	56	40/70				850	●
WC08-2D-56.5-C40A	2D	113	217	56.5	40/70				850	●
WC08-2D-57-C40A	2D	114	218	57	40/70				850	●
WC08-2D-57.5-C40A	2D	115	219	57.5	40/70				850	●
WC06-2D-58-C40A	2D	116	220	58	40/70	WCMT06T308	M3.5X10L		850	●
WC06-2D-58.5-C40A	2D	117	221	58.5	40/70				850	●
WC06-2D-59-C40A	2D	118	222	59	40/70				850	●
WC06-2D-59.5-C40A	2D	119	223	59.5	40/70				850	●
WC06-2D-60-C40A	2D	120	224	60	40/70				930	●
WC06-2D-60.5-C40A	2D	121	225	60.5	40/70				930	○
WC06-2D-61-C40A	2D	122	226	61	40/70				930	●
WC06-2D-61.5-C40A	2D	123	227	61.5	40/70				930	○
WC06-2D-62-C40A	2D	124	230	62	40/70				930	●
WC06-2D-62.5-C40A	2D	125	231	62.5	40/70				930	○
WC06-2D-63-C40A	2D	126	232	63	40/70				930	●
WC06-2D-63.5-C40A	2D	127	233	63.5	40/70				930	○

WC-2

WC-2 Fast driling WC-2





WC-2 Fast drilling

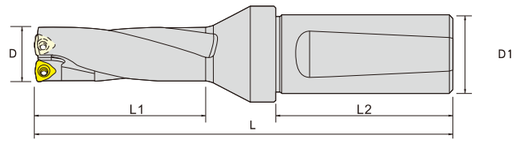
Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC06-2D-64-C40A	2D	128	238	64	40/70				1100	●
WC06-2D-64.5-C40A	2D	129	239	64.5	40/70				1100	●
WC06-2D-65-C40A	2D	130	240	65	40/70				1100	●
WC06-2D-65.5-C40A	2D	131	241	65.5	40/70				1100	●
WC06-2D-66-C40A	2D	132	242	66	40/70				1100	●
WC06-2D-66.5-C40A	2D	133	243	66.5	40/70				1100	●
WC06-2D-67-C40A	2D	134	244	67	40/70				1100	●
WC06-2D-67.5-C40A	2D	135	245	67.5	40/70				1100	●
WC06-2D-68-C40A	2D	136	246	68	40/70				1100	●
WC06-2D-68.5-C40A	2D	137	247	68.5	40/70				1100	●
WC06-2D-69-C40A	2D	138	248	69	40/70				1200	●
WC06-2D-69.5-C40A	2D	139	249	69.5	40/70				1200	●
WC06-2D-70-C40A	2D	140	250	70	40/70				1200	●
WC06-2D-70.5-C40A	2D	141	251	70.5	40/70				1200	●
WC06-2D-71-C40A	2D	142	252	71	40/70				2350	●
WC06-2D-72-C40A	2D	144	254	72	40/70				2350	●
WC06-2D-73-C40A	2D	146	256	73	40/70				2350	●
WC06-2D-74-C40A	2D	148	258	74	40/70				2350	●
WC06-2D-75-C40A	2D	150	260	75	40/70				2350	●
WC06-2D-76-C40A	2D	152	262	76	40/70				2700	●
WC06-2D-77-C40A	2D	154	264	77	40/70				2700	●
WC06-2D-78-C40A	2D	156	266	78	40/70				2700	●
WC06-2D-79-C40A	2D	158	268	79	40/70				2700	●
WC06-2D-80-C40A	2D	160	270	80	40/70				2700	●
WC08-2D-85-C40A	2D	170	282	85	40/70				3500	●
WC08-2D-90-C40A	2D	180	292	90	40/70				4411	●
WC08-2D-91-C40A	2D	182	294	91	40/70				4411	●
WC08-2D-92-C40A	2D	184	296	92	40/70				4411	●
WC08-2D-93-C40A	2D	186	298	93	40/70				4411	●
WC08-2D-94-C40A	2D	188	300	94	40/70				4411	●
WC08-2D-95-C40A	2D	190	302	95	40/70				4411	●

WCMT06T308 | M3.5x10L | T15

WCMT080412 | M4x10L | T15

WC-3 Fast driling WC-3





WC-3 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC03-3D-14-C25A	3D	42	120	14	25/56				240	●
WC03-3D-14.5-C25A	3D	43.5	121.5	14.5	25/56				240	●
WC03-3D-15-C25A	3D	45	123	15	25/56				240	●
WC03-3D-15.5-C25A	3D	46.5	124.5	15.5	25/56				240	●
WC03-3D-16-C25A	3D	48	126	16	25/56				240	●
WC03-3D-16.5-C25A	3D	49.5	127.5	16.5	25/56				240	●
WC03-3D-17-C25A	3D	51	129	17	25/56				240	●
WC03-3D-17.5-C25A	3D	52.5	130.5	17.5	25/56				240	●
WC03-3D-18-C25A	3D	54	132	18	25/56				240	●
WC03-3D-18.5-C25A	3D	55.5	133.5	18.5	25/56				240	●
WC03-3D-19-C25A	3D	57	135	19	25/56				240	●
WC03-3D-19.5-C25A	3D	58.5	136.5	19.5	25/56				240	●
WC04-3D-20-C25A	3D	60	138	20	25/56				240	●
WC04-3D-20.5-C25A	3D	61.5	139.5	20.5	25/56				240	●
WC04-3D-21-C25A	3D	63	141	21	25/56				320	●
WC04-3D-21.5-C25A	3D	64.5	142.5	21.5	25/56				320	●
WC04-3D-22-C25A	3D	66	144	22	25/56				320	●
WC04-3D-22.5-C25A	3D	67.5	145.5	22.5	25/56				320	●
WC04-3D-23-C25A	3D	69	147	23	25/56				320	●
WC04-3D-23.5-C25A	3D	70.5	148.5	23.5	25/56				320	●
WC05-3D-24-C25A	3D	72	150	24	25/56				320	●
WC05-3D-24.5-C25A	3D	73.5	151.5	24.5	25/56				320	●
WC05-3D-25-C25A	3D	75	153	25	25/56				320	●
WC05-3D-25.5-C25A	3D	76.5	154.5	25.5	25/56				360	●
WC05-3D-25-C32A	3D	75	161	25	32/60				320	●
WC05-3D-25.5-C32A	3D	76.5	162.5	25.5	32/60				360	●
WC05-3D-26-C32A	3D	78	164	26	32/60				360	●
WC05-3D-26.5-C32A	3D	79.5	165.5	26.5	32/60				360	●

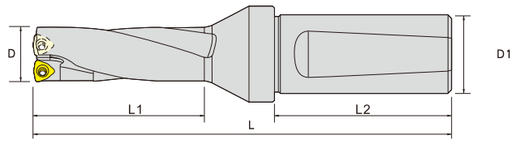
WCMX030208 | M2.5x6L | T8

WCMX040208 | M2.5x6L | T8

WCMX050308 | M3x7L | T8

WC-3 Fast driling WC-3



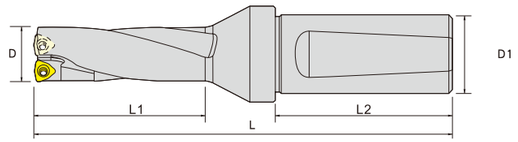


■ WC-3 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC05-3D-27-C32A	3D	81	167	27	32/60	WCMX050308	M3x7L	T8	360	●
WC05-3D-27.5-C32A	3D	82.5	168.5	27.5	32/60				360	●
WC05-3D-28-C32A	3D	84	170	28	32/60				360	●
WC05-3D-28.5-C32A	3D	85.5	171.5	28.5	32/60				360	●
WC05-3D-29-C32A	3D	87	173	29	32/60				360	●
WC05-3D-29.5-C32A	3D	88.5	174.5	29.5	32/60				360	●
WC05-3D-30-C32A	3D	90	176	30	32/60				360	●
WC05-3D-30.5-C32A	3D	91.5	177.5	30.5	32/60				480	●
WC06-3D-31-32A	3D	93	179	31	32/60	WCMT06T308	M3.5x10L	T15	480	●
WC06-3D-31.5-C32A	3D	94.5	180.5	31.5	32/60				480	●
WC06-3D-32-C32A	3D	96	182	32	32/60				480	●
WC06-3D-32.5-C32A	3D	97.5	183.5	32.5	32/60				480	●
WC06-3D-33-C32A	3D	99	185	33	32/60				480	●
WC06-3D-335-C32A	3D	100.5	186.5	33.5	32/60				480	●
WC06-3D-34-C32A	3D	102	188	34	32/60				480	●
WC06-3D-34.5-C32A	3D	103.5	189.5	34.5	32/60				480	●
WC06-3D-35-C32A	3D	105	191	35	32/60				480	●
WC06-3D-35.5-C32A	3D	106.5	192.5	35.5	32/60				480	●
WC06-3D-36-C32A	3D	108	194	36	32/60				480	●
WC06-3D-36.5-C32A	3D	109.5	195.5	36.5	32/60				480	●
WC06-3D-37-C32A	3D	111	197	37	32/60				480	●
WC06-2D-37.5-C32A	3D	112.5	198.5	37.5	32/60				480	●
WC06-3D-38-C32A	3D	114	200	38	32/60				480	●
WC06-3D-38.5-C32A	3D	115.5	201.5	38.5	32/60				480	●
WC06-3D-39-C32A	3D	117	203	39	32/60				480	●
WC06-3D-39.5-C32A	3D	118.5	204.5	39.5	32/60				480	●

WC-3 Fast driling WC-3



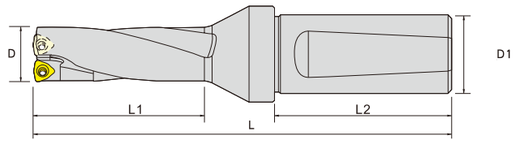


■ WC-3 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC06-3D-40-C32A	3D	120	206	40	32/60	WCMT06T308	M3.5x10L	T15	480	●
WC06-3D-40.5-C32A	3D	121.5	207.5	40.5	32/60				480	●
WC06-3D-41-C32A	3D	123	209	41	32/60				580	●
WC06-3D-41.5-C32A	3D	124.5	210.5	41.5	32/60				580	●
WC08-3D-42-C40A	3D	126	228	42	40/70	WCMT080412	M4x10L		580	●
WC08-3D-42.5-C40A	3D	127.5	229.5	42.5	40/70				580	●
WC08-3D-43-C40A	3D	129	231	43	40/70				580	●
WC08-3D-43.5-C40A	3D	130.5	232.5	43.5	40/70				580	●
WC08-3D-44-C40A	3D	132	234	44	40/70				580	●
WC08-3D-44.5-C40A	3D	133.5	235.5	44.5	40/70				580	●
WC08-3D-45-C40A	3D	135	237	45	40/70				580	●
WC08-3D-45.5-C40A	3D	136.5	238.5	45.5	40/70				580	●
WC08-3D-46-C40A	3D	138	240	46	40/70				750	●
WC08-3D-46.5-C40A	3D	139.5	241.5	46.5	40/70				750	●
WC08-3D-47-C40A	3D	141	243	47	40/70				750	●
WC08-3D-47.5-C40A	3D	142.5	244.5	47.5	40/70				750	●
WC08-3D-48-C40A	3D	144	246	48	40/70				750	●
WC08-3D-48.5-C40A	3D	145.5	247.5	48.5	40/70				750	●
WC08-3D-49-C40A	3D	147	249	49	40/70				750	●
WC08-3D-49.5-C40A	3D	148.5	250.5	49.5	40/70				750	●
WC08-3D-50-C40A	3D	150	252	50	40/70				750	●
WC08-3D-50.5-C40A	3D	151.5	253.5	50.5	40/70				750	●
WC08-3D-51-C40A	3D	153	257	51	40/70				876	●
WC08-3D-51.5-C40A	3D	154.5	258.5	51.5	40/70				876	●
WC08-3D-52-C40A	3D	156	260	52	40/70				876	●
WC08-3D-52.5-C40A	3D	157.5	261.5	52.5	40/70				876	●

WC-3 Fast driling WC-3



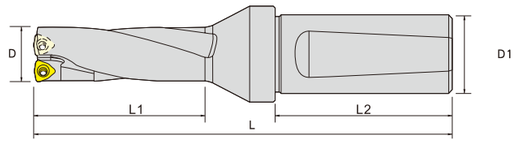


■ WC-3 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC08-3D-53-C40A	3D	159	263	53	40/70	WCMT080412	M4x10L	T15	876	●
WC08-3D-53.5-C40A	3D	160.5	264.5	53.5	40/70				876	●
WC08-3D-54-C40A	3D	162	266	54	40/70				876	●
WC08-3D-54.5-C40A	3D	163.5	267.5	54.5	40/70				876	●
WC08-3D-55-C40A	3D	165	269	55	40/70				876	●
WC08-3D-55.5-C40A	3D	166.5	270.5	55.5	40/70				876	●
WC08-3D-56-C40A	3D	168	272	56	40/70				1080	●
WC08-3D-56.5-C40A	3D	169.5	273.5	56.5	40/70				1080	●
WC08-3D-57-C40A	3D	171	275	57	40/70				1080	●
WC08-3D-57.5-C40A	3D	172.5	276.5	57.5	40/70				1080	●
WC06-3D-58-C40A	3D	174	278	58	40/70	WCMT06T308	M3.5x10L		1080	●
WC06-3D-58.5-C40A	3D	175.5	279.5	58.5	40/70				1080	●
WC06-3D-59-C40A	3D	177	281	59	40/70				1080	●
WC06-3D-59.5-C40A	3D	178.5	282.5	59.5	40/70				1080	●
WC06-3D-60-C40A	3D	180	284	60	40/70				1200	●
WC06-3D-60.5-C40A	3D	181.5	285.5	60.5	40/70				1200	○
WC06-3D-61-C40A	3D	183	287	61	40/70				1200	●
WC06-3D-61.5-C40A	3D	184.5	288.5	61.5	40/70				1200	○
WC06-3D-62-C40A	3D	186	292	62	40/70				1200	●
WC06-3D-62.5-C40A	3D	187.5	293.5	62.5	40/70				1200	○
WC06-3D-63-C40A	3D	189	295	63	40/70				1200	●
WC06-3D-63.5-C40A	3D	190.5	296.5	63.5	40/70				1200	○
WC06-3D-64-C40A	3D	192	302	64	40/70				1200	●
WC06-3D-64.5-C40A	3D	193.5	303.5	64.5	40/70				1200	○
WC06-3D-65-C40A	3D	195	305	65	40/70				1200	●
WC06-3D-65.5-C40A	3D	196.5	306.5	65.5	40/70				1200	○

WC-3 Fast driling WC-3



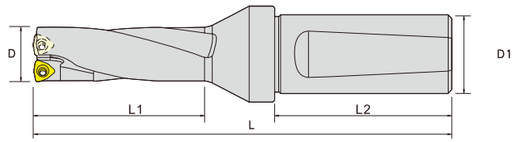


■ WC-3 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC06-3D-66-C40A	3D	198	308	66	40/70	WCMT06T308	M3.5x10L	T15	1320	●
WC06-3D-66.5-C40A	3D	199.5	309.5	66.5	40/70				1320	○
WC06-3D-67-C40A	3D	201	311	67	40/70				1320	●
WC06-3D-67.5-C40A	3D	202.5	312.5	67.5	40/70				1320	○
WC06-3D-68-C40A	3D	204	314	68	40/70				1320	●
WC06-3D-68.5-C40A	3D	205.5	315.5	68.5	40/70				1320	○
WC06-3D-69-C40A	3D	207	317	69	40/70				1456	●
WC06-3D-69.5-C40A	3D	208.5	318.5	69.5	40/70				1456	○
WC06-3D-70-C40A	3D	210	320	70	40/70				1456	●
WC06-3D-70.5-C40A	3D	211.5	321.5	70.5	40/70				1456	○
WC06-3D-71-C40A	3D	213	323	71	40/70				2900	●
WC06-3D-72-C40A	3D	216	326	72	40/70				2900	●
WC06-3D-73-C40A	3D	219	329	73	40/70				2900	●
WC06-3D-74-C40A	3D	222	332	74	40/70				2900	●
WC06-3D-75-C40A	3D	225	335	75	40/70				2900	●
WC06-3D-76-C40A	3D	228	338	76	40/70				3350	●
WC06-3D-77-C40A	3D	231	341	77	40/70				3350	●
WC06-3D-78-C40A	3D	234	344	78	40/70				3350	●
WC06-3D-79-C40A	3D	237	347	79	40/70				3350	●
WC06-3D-80-C40A	3D	240	350	80	40/70				3350	●
WC08-3D-85-C40A	3D	255	367	85	40/70	WCMT080412	M4x10L		4683	●
WC08-3D-90-C40A	3D	270	382	90	40/70				5267	●
WC08-3D-91-C40A	3D	273	385	91	40/70				5267	●
WC08-3D-92-C40A	3D	276	388	92	40/70				5267	●
WC08-3D-93-C40A	3D	279	391	93	40/70				5267	●
WC08-3D-94-C40A	3D	282	394	94	40/70				5267	●
WC08-3D-95-C40A	3D	285	397	95	40/70				5267	●

WC-4 Fast driling WC-4



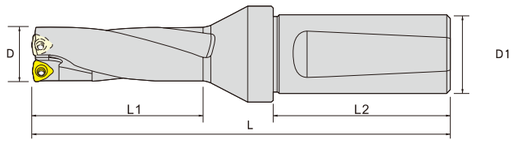


■ WC-4 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC03-4D-14-C25A	4D	56	134	14	25/56	WCMX030208	M2.5x6L	T8	280	●
WC03-4D-14.5-C25A	4D	58	136	14.5	25/56				280	●
WC03-4D-15-C25A	4D	60	138	15	25/56				280	●
WC03-4D-15.5-C25A	4D	62	140	15.5	25/56				280	●
WC03-4D-16-C25A	4D	64	142	16	25/56				280	●
WC03-4D-16.5-C25A	4D	66	144	16.5	25/56				280	●
WC03-4D-17-C25A	4D	68	146	17	25/56				280	●
WC03-4D-17.5-C25A	4D	70	148	17.5	25/56				280	●
WC03-4D-18-C25A	4D	72	150	18	25/56				280	●
WC03-4D-18.5-C25A	4D	74	152	18.5	25/56				280	●
WC03-4D-19-C25A	4D	76	154	19	25/56				280	●
WC03-4D-19.5-C25A	4D	78	156	19.5	25/56				280	●
WC04-4D-20-C25A	4D	80	158	20	25/56	WCMX040208			280	●
WC04-4D-20.5-C25A	4D	82	160	20.5	25/56				380	●
WC04-4D-21-C25A	4D	84	162	21	25/56				380	●
WC04-4D-21.5-C25A	4D	86	164	21.5	25/56				380	●
WC04-4D-22-C25A	4D	88	166	22	25/56				380	●
WC04-4D-22.5-C25A	4D	90	168	22.5	25/56				380	●
WC04-4D-23-C25A	4D	92	170	23	25/56				380	●
WC04-4D-23.5-C25A	4D	94	172	23.5	25/56				380	●
WC05-4D-24-C25A	4D	96	174	24	25/56	WCMX050208	M3x7L		380	●
WC05-4D-24.5-C25A	4D	98	176	24.5	25/56				380	●
WC05-4D-25-C32A	4D	100	186	25	32/60				380	●
WC05-4D-25.5-C32A	4D	102	188	25.5	32/60				380	●
WC05-4D-26-C32A	4D	104	190	26	32/60				440	●
WC05-4D-26.5-C32A	4D	106	192	26.5	32/60				440	●

WC-4 Fast driling WC-4



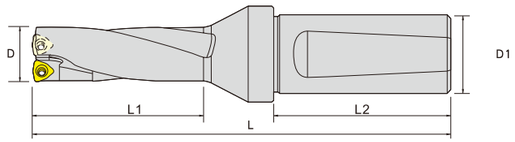


■ WC-4 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC05-4D-27-C32A	4D	108	194	27	32/60	WCMX050308	M3x7L	T8	440	●
WC05-4D-27.5-C32A	4D	110	196	27.5	32/60				440	●
WC05-4D-28-C32A	4D	112	198	28	32/60				440	●
WC05-4D-28.5-C32A	4D	114	200	28.5	32/60				440	●
WC05-4D-29-C32A	4D	116	202	29	32/60				440	●
WC05-4D-29.5-C32A	4D	118	204	29.5	32/60				440	●
WC05-4D-30-C32A	4D	120	206	30	32/60				440	●
WC05-4D-30.5-C32A	4D	122	208	30.5	32/60				550	●
WC06-4D-31-C32A	4D	124	210	31	32/60	WCMT06T308	M3.5x10L	T15	550	●
WC06-4D-31.5-C32A	4D	126	212	31.5	32/60				550	●
WC06-4D-32-C32A	4D	128	214	32	32/60				550	●
WC06-4D-32.5-C32A	4D	130	216	32.5	32/60				550	●
WC06-4D-33-C32A	4D	132	218	33	32/60				550	●
WC06-4D-33.5-C32A	4D	134	220	33.5	32/60				550	●
WC06-4D-34-C32A	4D	136	222	34	32/60				550	●
WC06-4D-34.5-C32A	4D	138	224	34.5	32/60				550	●
WC06-4D-35-C32A	4D	140	226	35	32/60				550	●
WC06-4D-35.5-C32A	4D	142	228	35.5	32/60				550	●
WC06-4D-36-C32A	4D	144	230	36	32/60				550	●
WC06-4D-36.5-C32A	4D	146	232	36.5	32/60				550	●
WC06-4D-37-C32A	4D	148	234	37	32/60				550	●
WC06-4D-37.5-C32A	4D	150	236	37.5	32/60				550	●
WC06-4D-38-C32A	4D	152	238	38	32/60				550	●
WC06-4D-38.5-C32A	4D	154	240	38.5	32/60				550	●
WC06-4D-39-C32A	4D	156	242	39	32/60				550	●
WC06-4D-39.5-032A	4D	158	244	39.5	32/60				550	●

WC-4 Fast driling WC-4



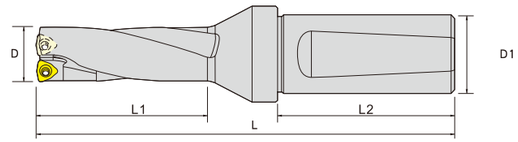


■ WC-4 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC06-4D-40-C32A	4D	160	246	40	32/60	WCMT06T308	M3.5x10L		550	●
WC06-4D-40.5-C32A	4D	162	248	40.5	32/60				550	●
WC06-4D-41-C32A	4D	164	250	41	32/60				550	●
WC06-4D-41.5-C32A	4D	166	252	41.5	32/60				660	●
WC08-4D-42-C40A	4D	168	270	42	40/70	WCMT080412	M4x10L	T15	660	●
WC08-4D-42.5-C40A	4D	170	272	42.5	40/70				660	●
WC08-4D-43-C40A	4D	172	274	43	40/70				660	●
WC08-4D-43.5-C40A	4D	174	276	43.5	40/70				660	●
WC08-4D-44-C40A	4D	176	278	44	40/70				660	●
WC08-4D-44.5-C40A	4D	178	280	44.5	40/70				660	●
WC08-4D-45-C40A	4D	180	282	45	40/70				660	●
WC08-4D-45.5-C40A	4D	182	284	45.5	40/70				660	●
WC08-4D-46-C40A	4D	184	286	46	40/70				860	●
WC08-4D-46.5-C40A	4D	186	288	46.5	40/70				860	●
WC08-4D-47-C40A	4D	188	290	47	40/70				860	●
WC08-4D-47.5-C40A	4D	190	292	47.5	40/70				860	●
WC08-4D-48-C40A	4D	192	294	48	40/70				860	●
WC08-4D-48.5-C40A	4D	194	296	48.5	40/70				860	●
WC08-4D-49-C40A	4D	196	298	49	40/70				860	●
WC08-4D-49.5-C40A	4D	198	300	49.5	40/70				860	●
WC08-4D-50-C40A	4D	200	302	50	40/70				860	●
WC08-4D-50.5-C40A	4D	202	304	50.5	40/70				860	●
WC08-4D-51-C40A	4D	204	308	51	40/70				1080	●
WC08-4D-51.5-C40A	4D	206	310	51.5	40/70				1080	●
WC08-4D-52-C40A	4D	208	312	52	40/70				1080	●
WC08-4D-52.5-C40A	4D	210	314	52.5	40/70				1080	●

WC-4 Fast driling WC-4



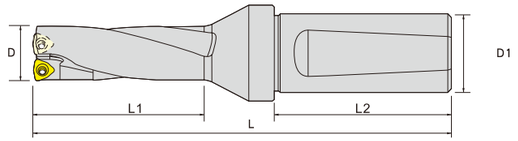


■ WC-4 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC08-4D-53-C40A	4D	212	316	53	40/70	WCMT080412	M4X10L	T15	1080	●
WC08-4D-53.5-C40A	4D	214	318	53.5	40/70				1080	●
WC08-4D-54-C40A	4D	216	320	54	40/70				1080	●
WC08-40-54.5-C40A	4D	218	322	54.5	40/70				1080	●
WC08-40-55-C40A	4D	220	324	55	40/70				1080	●
WC08-4D-55.5-C40A	4D	222	326	55.5	40/70				1080	●
WC08-4D-56-C40A	4D	224	328	56	40/70				1248	●
WC08-4D-56.5-C40A	4D	226	330	56.5	40/70				1248	●
WC08-4D-57-C40A	4D	228	332	57	40/70				1248	●
WC08-4D-57.5-C40A	4D	230	334	57.5	40/70				1248	●
WC06-4D-58-C40A	4D	232	336	58	40/70	WCMT06T308	M3.5X10L	T15	1248	●
WC06-4D-58.5-C40A	4D	234	338	58.5	40/70				1248	●
WC06-4D-59-C40A	4D	236	340	59	40/70				1248	●
WC06-4D-59.5-C40A	4D	238	342	59.5	40/70				1248	●
WC06-4D-60-C40A	4D	240	344	60	40/70				1248	●
WC06-4D-60.5-C40A	4D	242	346	60.5	40/70				1248	○
WC06-4D-61-C40A	4D	244	348	61	40/70				1500	●
WC06-4D-61.5-C40A	4D	246	350	61.5	40/70				1500	○
WC06-4D-62-C40A	4D	248	354	62	40/70				1500	●
WC06-4D-62.5-C40A	4D	250	356	62.5	40/70				1500	○
WC06-4D-63-C40A	4D	252	358	63	40/70				1500	●
WC06-4D-63.5-C40A	4D	254	360	63.5	40/70				1500	○
WC06-4D-64-C40A	4D	256	366	64	40/70				1680	●
WC06-4D-64.5-C40A	4D	258	368	64.5	40/70				1680	○
WC06-4D-65-C40A	4D	260	370	65	40/70				1680	●
WC06-4D-65.5-C40A	4D	262	372	65.5	40/70				1680	○

WC-4 Fast driling WC-4



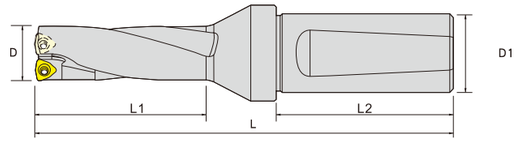


■ WC-4 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC06-4D-66-C40A	4D	264	374	66	40/70				1680	●
WC06-4D-66.5-C40A	4D	266	376	66.5	40/70				1680	○
WC06-4D-67-C40A	4D	268	378	67	40/70				1680	●
WC06-4D-67.5-C40A	4D	270	380	67.5	40/70				1680	○
WC06-4D-68-C40A	4D	272	382	68	40/70				1680	●
WC06-4D-68.5-C40A	4D	274	384	68.5	40/70				1680	○
WC06-4D-69-C40A	4D	276	386	69	40/70				1740	●
WC06-4D-69.5-C40A	4D	278	388	69.5	40/70				1740	○
WC06-4D-70-C40A	4D	280	390	70	40/70				1740	●
WC06-4D-70.5-C40A	4D	282	392	70.5	40/70	WCMT06T308	M3.5X10L	T15	1740	○
WC06-4D-71-C40A	4D	284	394	71	40/70				4050	●
WC06-4D-72-C40A	4D	288	398	72	40/70				4050	●
WC06-4D-73-C40A	4D	292	402	73	40/70				4050	●
WC06-4D-74-C40A	4D	296	406	74	40/70				4050	●
WC06-4D-75-C40A	4D	300	410	75	40/70				4050	●
WC06-4D-76-C40A	4D	304	414	76	40/70				4750	●
WC06-4D-77-C40A	4D	308	418	77	40/70				4750	●
WC06-4D-78-C40A	4D	312	422	78	40/70				4750	●
WC06-4D-79-C40A	4D	316	426	79	40/70				4750	●
WC06-4D-80-C40A	4D	320	430	80	40/70				4750	●
WC08-4D-85-C40A	4D	240	452	85	40/70				5456	●
WC08-4D-90-C40A	4D	360	472	90	40/70				5967	●
WC08-4D-91-C40A	4D	364	476	91	40/70				5967	●
WC08-4D-92-C40A	4D	368	480	92	40/70	WCMT080412	M4X10L	T15	5967	●
WC08-4D-93-C40A	4D	372	484	93	40/70				5967	●
WC08-4D-94-C40A	4D	376	488	94	40/70				5967	●
WC08-4D-95-C40A	4D	380	492	95	40/70				5967	●

WC-5 Fast driling WC-5



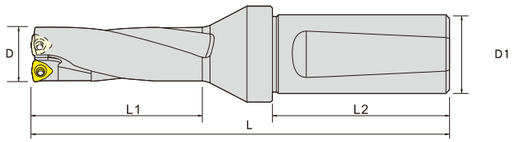


■ WC-5 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC03-5D-14-C25A	5D	70	148	14	25/56				491	●
WC03-5D-14.5-C25A	5D	72.5	150.5	14.5	25/56				491	●
WC03-5D-15-C25A	5D	75	153	15	25/56				491	●
WC03-5D-15.5-C25A	5D	77.5	155.5	15.5	25/56				491	●
WC03-5D-16-C25A	5D	80	158	16	25/56				491	●
WC03-5D-16.5-C25A	5D	82.5	160.5	16.5	25/56				491	●
WC03-5D-17-C25A	5D	85	163	17	25/56				491	●
WC03-5D-17.5-C25A	5D	87.5	165.5	17.5	25/56				491	●
WC03-5D-18-C25A	5D	90	168	18	25/56				491	●
WC03-5D-18.5-C25A	5D	92.5	170.5	18.5	25/56				491	●
WC03-5D-19-C25A	5D	95	173	19	25/56				491	●
WC03-5D-19.5-C25A	5D	97.5	175.5	19.5	25/56	WCMX030208	M2.5X6L	T8	491	●
WC04-5D-20-C25A	5D	100	178	20	25/56				510	●
WC04-5D-20.5-C25A	5D	102.5	180.5	20.5	25/56				510	●
WC04-5D-21-C25A	5D	105	183	21	25/56				515	●
WC04-5D-21.5-C25A	5D	107.5	185.5	21.5	25/56				515	●
WC04-5D-22-C25A	5D	110	188	22	25/56				528	●
WC04-5D-22.5-C25A	5D	112.5	190.5	22.5	25/56				528	●
WC04-5D-23-C25A	5D	115	193	23	25/56				528	●
WC04-5D-23.5-C25A	5D	117.5	195.5	23.5	25/56				528	●
WC05-5D-24-C25A	5D	120	198	24	25/56				546	●
WC05-5D-24.5-C25A	5D	122.5	200.5	24.5	25/56				546	●
WC05-5D-25-C32A	5D	125	211	25	32/60				546	●
WC05-5D-25.5-C32A	5D	127.5	213.5	25.5	32/60				546	●
WC05-5D-26-C32A	5D	130	216	26	32/60				560	●
WC05-5D-26.5-C32A	5D	132.5	218.5	26.5	32/60				560	●
WC05-5D-27-C32A	5D	135	221	27	32/60				573	●
WC05-5D-27.5-C32A	5D	137.5	223.5	27.5	32/60				573	●
WC05-5D-28-C32A	5D	140	226	28	32/60				591	●

WC-5 Fast driling WC-5



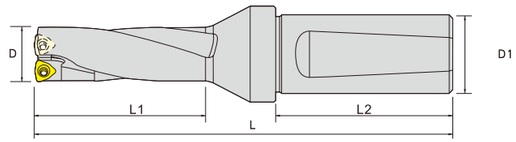


■ WC-5 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC05-5D-28.5-C32A	5D	142.5	228.5	28.5	32/60	WCMX050308	M3X7L	T8	591	●
WC05-5D-29-C32A	5D	145	231	29	32/60				615	●
WC05-5D-29.5-C32A	5D	147.5	233.5	29.5	32/60				615	●
WC05-5D-30-C32A	5D	150	236	30	32/60				628	●
WC05-5D-30.5-C32A	5D	152.5	238.5	30.5	32/60				628	●
WC06-5D-31-C32A	5D	155	241	31	32/60	WCMT06T308	M3.5X10L	T15	628	●
WC06-5D-31.5-C32A	5D	157.5	243.5	31.5	32/60				628	●
WC06-5D-32-C32A	5D	160	246	32	32/60				646	●
WC06-5D-32.5-C32A	5D	162.5	248.5	32.5	32/60				646	●
WC06-5D-33-C32A	5D	165	251	33	32/60				646	●
WC06-5D-33.5-C32A	5D	167.5	253.5	33.5	32/60				646	●
WC06-5D-34-C32A	5D	170	256	34	32/60				664	●
WC06-5D-34.5-C32A	5D	172.5	258.5	34.5	32/60				664	●
WC06-5D-35-C32A	5D	175	261	35	32/60				700	●
WC06-5D-35.5-C32A	5D	177.5	263.5	35.5	32/60				700	●
WC06-5D-36-C32A	5D	180	266	36	32/60				710	●
WC06-5D-36.5-C32A	5D	182.5	268.5	36.5	32/60				710	●
WC06-5D-37-C32A	5D	185	271	37	32/60				710	●
WC06-5D-37.5-C32A	5D	187.5	273.5	37.5	32/60				710	●
WC06-5D-38-C32A	5D	190	276	38	32/60				746	●
WC06-5D-38.5-C32A	5D	192.5	278.5	38.5	32/60				746	●
WC06-5D-39-C32A	5D	195	281	39	32/60				746	●
WC06-5D-39.5-C32A	5D	197.5	283.5	39.5	32/60				746	●
WC06-5D-40-C32A	5D	200	286	40	32/60				820	●
WC06-5D-40.5-C32A	5D	202.5	288.5	40.5	32/60				820	●
WC06-5D-41-C32A	5D	205	291	41	32/60				820	●
WC06-5D-41.5-C32A	5D	207.5	293.5	41.5	32/60				820	●
WC08-5D-42-C40A	5D	210	312	42	40/70	WCMT080412	M4X10L		871	●
WC08-5D-42.5-C40A	5D	212.5	314.5	42.5	40170				871	●

WC-5 Fast driling WC-5



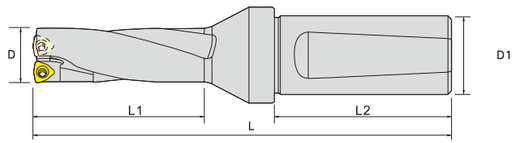


■ WC-5 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC08-5D-43-C40A	5D	215	317	43	40/70	WCMT080412	M4X10L	T15	891	●
WC08-5D-43.5-C40A	5D	217.5	319.5	43.5	40/70				891	●
WC08-5D-44-C40A	5D	220	322	44	40/70				910	●
WC08-5D-44.5-C40A	5D	222.5	324.5	44.5	40/70				910	●
WC08-5D-45-C40A	5D	225	327	45	40/70				920	●
WC08-5D-45.5-C40A	5D	227.5	329.5	45.5	40/70				920	●
WC08-5D-46-C40A	5D	230	332	46	40/70				1100	●
WC08-5D-46.5-C40A	5D	232.5	334.5	46.5	40/70				1100	●
WC08-5D-47-C40A	5D	235	337	47	40/70				1100	●
WC08-5D-47.5-C40A	5D	237.5	339.5	47.5	40/70				1100	●
WC08-5D-48-C40A	5D	240	342	48	40/70				1100	●
WC08-5D-48.5-C40A	5D	242.5	344.5	48.5	40/70				1100	●
WC08-5D-49-C40A	5D	245	347	49	40/70				1100	●
WC08-5D-49.5-C40A	5D	247.5	349.5	49.5	40/70				1100	●
WC08-5D-50-C40A	5D	250	352	50	40/70				1100	●
WC08-5D-50.5-C40A	5D	252.5	354.5	50.5	40/70				1100	●
WC08-5D-51-C40A	5D	255	359	51	40/70				1176	●
WC08-5D-51.5-C40A	5D	257.5	361.5	51.5	40/70				1176	●
WC08-5D-52-C40A	5D	260	364	52	40/70				1200	●
WC08-5D-52.5-C40A	5D	262.5	366.5	52.5	40/70				1200	●
WC08-5D-53-C40A	5D	265	369	53	40/70				1224	●
WC08-5D-53.5-C40A	5D	267.5	371.5	53.5	40/70				1224	●
WC08-5D-54-C40A	5D	270	374	54	40/70				1248	●
WC08-5D-54.5-C40A	5D	272.5	376.5	54.5	40/70				1248	●
WC08-5D-55-C40A	5D	275	379	55	40/70				1310	●
WC08-5D-55.5-C40A	5D	277.5	381.5	55.5	40/70				1310	●
WC08-5D-56-C40A	5D	280	384	56	40/70				1500	●
WC08-5D-56.5-C40A	5D	282.5	386.5	56.5	40/70				1500	●
WC08-5D-57-C40A	5D	285	389	57	40/70				1500	●

WC-5 Fast driling WC-5



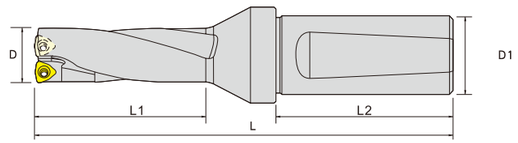


■ WC-5 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC08-5D-57.5-C40A	5D	287.5	391.5	57.5	40/70	WCMT080412	M4X10L		1500	●
WC06-5D-58-C40A	5D	290	394	58	40/70				1500	●
WC06-5D-58.5-C40A	5D	292.5	396.5	58.5	40/70				1500	●
WC06-5D-59-C40A	5D	295	399	59	40/70				1520	●
WC06-5D-59.5-C40A	5D	297.5	401.5	59.5	40/70				1520	●
WC06-5D-60-C40A	5D	300	404	60	40/70				1520	●
WC06-5D-60.5-C40A	5D	302.5	406.5	60.5	40/70				1520	○
WC06-5D-61-C40A	5D	305	409	61	40/70				1800	●
WC06-5D-61.5-C40A	5D	307.5	411.5	61.5	40/70				1800	○
WC06-5D-62-C40A	5D	310	416	62	40/70				1800	●
WC06-5D-62.5-C40A	5D	312.5	418.5	62.5	40/70				1800	○
WC06-5D-63-C40A	5D	315	421	63	40/70				1800	●
WC06-5D-63.5-C40A	5D	317.5	423.5	63.5	40/70				1800	○
WC06-5D-64-C40A	5D	320	430	64	40/70	WCMT06T308	M3.5X10L	T15	1800	●
WC06-5D-64.5-C40A	5D	322.5	432.5	64.5	40/70				1800	○
WC06-5D-65-C40A	5D	325	435	85	40/70				1970	●
WC06-5D-65.5-C40A	5D	327.5	437.5	65.5	40/70				1970	○
WC06-5D-66-C40A	5D	330	440	66	40/70				1970	●
WC06-5D-66.5-C40A	5D	332.5	442.5	66.5	40/70				1970	○
WC06-5D-67-C40A	5D	335	445	67	40/70				1970	●
WC06-5D-67.5-C40A	5D	337.5	447.5	67.5	40/70				1970	○
WC06-5D-68-C40A	5D	340	450	68	40/70				1970	●
WC06-5D-68.5-C40A	5D	342.5	452.5	68.5	40/70				1970	○
WC06-5D-69-C40A	5D	345	455	69	40/70				1970	●
WC06-5D-69.5-C40A	5D	347.5	457.5	69.5	40/70				1970	○
WC06-5D-70-C40A	5D	350	460	70	40/70				1970	●
WC06-5D-70.5-C40A	5D	352.5	462.5	70.5	40/70				1970	○

WC-6 Fast driling WC-6



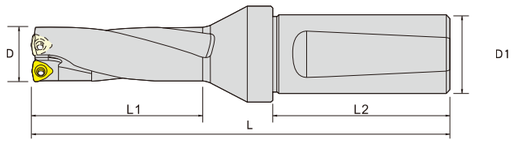


■ WC-6 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC03-6D-16-C25A	6D	96	174	16	25/56	WCMX030208	M2.5X6L	T8	1100	●
WC03-6D-16.5-C25A	6D	99	177	16.5	25/56				1100	●
WC03-6D-17-C25A	6D	102	180	17	25/56				1100	●
WC03-6D-17.5-C25A	6D	105	183	17.5	25/56				1100	●
WC03-6D-18-C25A	6D	108	186	18	25/56				1100	●
WC03-6D-18.5-C25A	6D	111	189	18.5	25/56				1100	●
WC03-6D-19-C25A	6D	114	192	19	25/56				1100	●
WC03-6D-19.5-C25A	6D	117	195	19.5	25/56				1100	●
WC04-6D-20-C25A	6D	120	198	20	25/56	WCMX040208			1100	●
WC04-6D-20.5-C25A	6D	123	201	20.5	25/56				1100	●
WC04-6D-21-C25A	6D	126	204	21	25/56				1100	●
WC04-6D-21.5-C25A	6D	129	207	21.5	25/56				1100	●
WC04-6D-22-C25A	6D	132	210	22	25/56				1100	●
WC04-6D-22.5-C25A	6D	135	213	22.5	25/56				1100	●
WC04-6D-23-C25A	6D	138	216	23	25/56				1100	●
WC04-6D-23.5-C25A	6D	141	219	23.5	25/56				1100	●
WC05-6D-24-C25A	6D	144	222	24	25/56	WCMX050308	M3X7L		1100	●
WC05-6D-24.5-C25A	6D	147	225	24.5	25/56				1100	●
WC05-6D-25-C32A	6D	150	236	25	32/60				1217	●
WC05-6D-25.5-C32A	6D	153	239	25.5	32/60				1217	●
WC05-6D-26-C32A	6D	156	242	26	32/60				1217	●
WC05-6D-26.5-C32A	6D	159	245	26.5	32/60				1217	●
WC05-6D-27-C32A	6D	162	248	27	32/60				1217	●
WC05-6D-27.5-C32A	6D	165	251	27.5	32/60				1217	●
WC05-6D-28-C32A	6D	168	254	28	32/60				1217	●
WC05-6D-28.5-C32A	6D	171	257	28.5	32/60				1217	●
WC05-6D-29-C32A	6D	174	260	29	32/60				1217	●

WC-6 Fast driling WC-6





WC-6 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
WC05-6D-29.5-C32A	6D	177	263	29.5	32/60	WCMX050308	M3X7L	T8	1217	●
WC05-6D-30-C32A	6D	180	266	30	32/60				1217	●
WC05-6D-30.5-C32A	6D	183	269	30.5	32/60				1217	●
WC06-6D-31-C32A	6D	186	272	31	32/60	WCMT06T308	M3.5X10L	T15	1429	●
WC06-6D-31.5-C32A	6D	189	275	31.5	32/60				1429	●
WC06-6D-32-C32A	6D	192	278	32	32/60				1429	●
WC06-6D-32.5-C32A	6D	195	281	32.5	32/60				1429	●
WC06-6D-33-C32A	6D	198	284	33	32/60				1429	●
WC06-6D-33.5-C32A	6D	201	287	33.5	32/60				1429	●
WC06-6D-34-C32A	6D	204	290	34	32/60				1429	●
WC06-6D-34.5-C32A	6D	207	293	34.5	32/60				1429	●
WC06-6D-35-C32A	6D	210	296	35	32/60				1429	●
WC06-6D-35.5-C32A	6D	213	299	35.5	32/60				1429	●
WC06-6D-36-C32A	6D	216	302	36	32/60				1429	●
WC06-6D-36.5-C32A	6D	219	305	36.5	32/60				1429	●
WC06-6D-37-C32A	6D	222	308	37	32/60				1429	●
WC06-6D-37.5-C32A	6D	225	311	37.5	32/60				1429	●
WC06-6D-38-C32A	6D	228	314	38	32/60				1429	●
WC06-6D-38.5-C32A	6D	231	317	38.5	32/60				1429	●
WC06-6D-39-C32A	6D	234	320	39	32/60				1429	●
WC06-6D-39.5-C32A	6D	237	323	39.5	32/60				1429	●
WC06-6D-40-C32A	6D	240	326	40	32/60				1429	●
WC06-6D-40.5-C32A	6D	243	329	40.5	32/60				1429	●

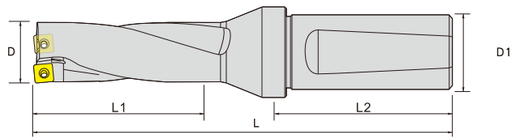
SP times faster drill series

SP



SP-2 Fast driling SP-2



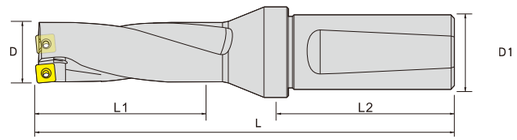


■ SP-2 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
SP04-2D-10-C20A	2D	20	88	10	20/50	SPMG040202	M1.8x4L		260	●
SP04-2D-10.5-C20A	2D	21	89	10.5	20/50				260	●
SP04-2D-11-C20A	2D	22	89.5	11	20/50				260	●
SP04-2D-11.5-C20A	2D	23	90	11.5	20/50				260	●
SP04-2D-12-C20A	2D	24	91	12	20/50	SPMG040202	M1.8x4L		260	●
SP04-2D-125-C20A	2D	25	92	12.5	20/50	SPMG040204	M2.0X5.5L		260	●
SP05-2D-13-C20A	2D	26	93	13	20/50	SPMG050204	M2.2x5.5L	T6	200	●
SP05-2D-13.5-C20A	2D	27	94	13.5	20/50				200	●
SP05-2D-14-C25A	2D	28	106	14	25/56				200	●
SP05-2D-14.5-C25A	2D	29	107	14.5	25/56				200	●
SP05-2D-15-C25A	2D	30	108	15	25/56				200	●
SP05-2D-15.5-C25A	2D	31	109	15.5	25/56				200	●
SP05-2D-16-C25A	2D	32	110	16	25/56				200	●
SP05-2D-16.5-025A	2D	33	111	16.5	25/56				200	●
SP05-2D-17-025A	2D	34	112	17	25/56				200	●
SP05-2D-17.5-C25A	2D	35	113	17.5	25/56				200	●
SP05-2D-18-C25A	2D	36	114	18	25/56				200	●
SP05-2D-18.5-C25	2D	37	115	18.5	25/56				200	●
SP06-2D-19-C25A	2D	38	116	19	25/56	SPMG060204	M2.5x6L	T8	200	●
SP06-2D-19.5-C25A	2D	39	117	19.5	25/56				200	●
SP06-2D-20-C25A	2D	40	118	20	25/56				200	●

SP-2 Fast driling SP-2



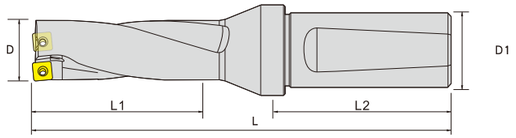


■ SP-2 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
SP06-2D-20.5-C25A	2D	41	119	20.5	25/56	SPMG060204	M2.5X6L	T8	200	●
SP06-2D-21-C25A	2D	42	120	21	25/56				275	●
SP06-2D-21.5-C25A	2D	43	121	21.5	25/56				275	●
SP06-2D-22-C25A	2D	44	122	22	25/56				275	●
SP06-2D-22.5-C25A	2D	45	123	22.5	25/56				275	●
SP07-2D-23-C25A	2D	46	124	23	25/56	SPMG07T308	M2.5X7L		275	●
SP07-2D-23.5-C25A	2D	47	125	23.5	25/56				275	●
SP07-2D-24-C25A	2D	48	126	24	25/56				275	●
SP07-2D-24.5-C25A	2D	49	127	24.5	25/56				275	●
SP07-2D-25-C32A	2D	50	136	25	32/60				275	●
SP07-2D-25.5-C32A	2D	51	137	25.5	32/60				275	●
SP07-2D-26-C32A	2D	52	138	26	32/60				330	●
SP07-2D-26.5-C32A	2D	53	139	26.5	32/60				330	●
SP07-2D-27-032A	2D	54	140	27	32/60				330	●
SP07-2D-27.5-C32A	2D	55	141	27.5	32/60				330	●
SP07-2D-28-C32A	2D	56	142	28	32/60				330	●
SP07-2D-28.5-C32A	2D	57	143	28.5	32/60				330	●
SP09-2D-29-C32A	2D	58	144	29	32/60	SPMG090408	M3.5x10L	T15	330	●
SP09-2D-29.5-C32A	2D	59	145	29.5	32/60				330	●
SP09-2D-30-C32A	2D	60	146	30	32/60				330	●
SP09-2D-30.5-C32A	2D	61	147	30.5	32/60				330	●

SP-2 Fast driling SP-2



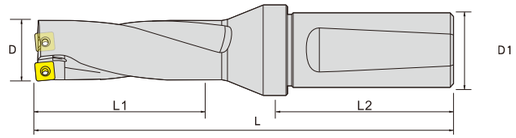


SP-2 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
SP09-2D-31-C32A	2D	62	148	31	32/60	SPMG090408	M3.5x10L	T15	440	●
SP09-2D-31.5-C32A	2D	63	149	31.5	32/60				440	●
SP09-2D-32-C32A	2D	64	150	32	32/60				440	●
SP09-2D-32.5-C32A	2D	65	151	32.5	32/60				440	●
SP09-2D-33-C32A	2D	66	152	33	32/60				440	●
SP09-2D-33.5-C32A	2D	67	153	33.5	32/60				440	●
SP09-2D-34-C32A	2D	68	154	34	32/60				440	●
SP09-2D-34.5-C32A	2D	69	155	34.5	32/60				440	●
SP09-2D-35-C32A	2D	70	156	35	32/60				440	●
SP09-2D-35.5-C32A	2D	71	157	35.5	32/60				440	●
SP09-2D-36-C32A	2D	72	158	36	32/60				440	●
SP09-2D-36.5-C32A	2D	73	159	36.5	32/60				440	●
SP11-2D-37-C32A	2D	74	160	37	32/60	SPMG110408	M4x10L		440	●
SP11-2D-37.5-C32A	2D	75	161	37.5	32/60				440	●
SP11-2D-38-C32A	2D	76	162	38	32/60				440	●
SP11-2D-38.5-C32A	2D	77	163	38.5	32/60				440	●
SP11-2D-39-C32A	2D	78	164	39	32/60				440	●
SP11-2D-39.5-C32A	2D	79	165	39.5	32/60				440	●
SP11-2D-40-C32A	2D	80	166	40	32/60				440	●
SP11-2D-40.5-C32A	2D	81	167	40.5	32/60				520	●
SP11-2D-41-C32A	2D	82	168	41	32/60				520	●

SP-2 Fast driling SP-2



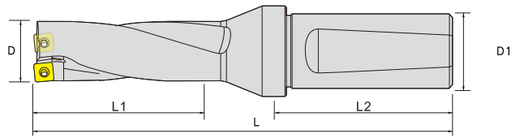


SP-2 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
SP11-2D-41.5-C32A	2D	83	169	41.5	32/60	SPMG110408	M4x10L	T15	520	●
SP11-2D-42-C40A	2D	84	186	42	40/70				520	●
SP11-2D-42.5-C40A	2D	85	187	42.5	40/70				520	●
SP14-2D-43-C40A	2D	86	188	43	40/70	SPMG140512	M5x12L	T20	520	●
SP14-2D-43.5-C40A	2D	87	189	43.5	40/70				520	●
SP14-2D-44-C40A	2D	88	190	44	40/70				520	●
SP14-2D-44.5-C40A	2D	89	191	44.5	40/70				520	●
SP14-2D-45-C40A	2D	90	192	45	40/70				520	●
SP14-2D-45.5-C40A	2D	91	193	45.5	40/70				520	●
SP14-2D-46-C40A	2D	92	194	46	40/70				630	●
SP14-2D-46.5-C40A	2D	93	195	46.5	40/70				630	●
SP14-2D-47-C40A	2D	94	196	47	40/70				630	●
SP14-2D-47.5-C40A	2D	95	197	47.5	40/70				630	●
SP14-2D-48-C40A	2D	96	198	48	40/70				630	●
SP14-2D-48.5-C40A	2D	97	199	48.5	40/70				630	●
SP14-2D-49-C40A	2D	98	200	49	40/70				630	●
SP14-2D-49.5-C40A	2D	99	201	49.5	40/70				630	●

SP-2 Fast driling SP-2



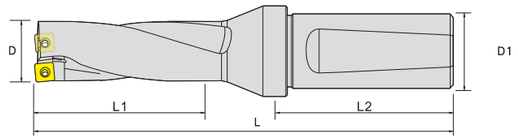


■ SP-2 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
SP14-2D-50-C40A	2D	100	202	50	40/70	SPMG140512	M5x12L	T12	630	●
SP07-2D-51-C40A	2D	102	204	51	40/70	SPMG07T308	M2.5x7L	T8	744	●
SP07-2D-52-C40A	2D	104	208	52	40/70				744	●
SP07-2D-53-C40A	2D	106	210	53	40/70				744	●
SP07-2D-54-C40A	2D	108	212	54	40/70				744	●
SP07-2D-55-C40A	2D	110	214	55	40/70				744	●
SP07-2D-56-C40A	2D	112	216	56	40/70				850	●
SP09-2D-57-C40A	2D	114	218	57	40/70	SPMG090408	M3.5x10L	T15	850	●
SP09-2D-58-C40A	2D	116	220	58	40/70				850	●
SP09-2D-59-C40A	2D	118	222	59	40/70				850	●
SP09-2D-60-C40A	2D	120	224	60	40/70				930	●
SP09-2D-61-C40A	2D	122	226	61	40/70				930	●
SP09-2D-62-C40A	2D	124	230	62	40/70				930	●
SP09-2D-63-C40A	2D	126	232	63	40/70				930	●
SP09-2D-64-C40A	2D	128	238	64	40/70				1100	●
SP09-2D-65-C40A	2D	130	240	65	40/70				1100	●
SP09-2D-66-C40A	2D	132	242	66	40/70				1100	●
SP11-2D-67-C40A	2D	134	244	67	40/70	SPMG110408	M4x10L		1100	●
SP11-2D-68-C40A	2D	136	246	68	40/70				1100	●
SP11-2D-69-C40A	2D	138	248	69	40/70				1200	●
SP11-2D-70-C40A	2D	140	250	70	40/70				1200	●

SP-3 Fast driling SP-3



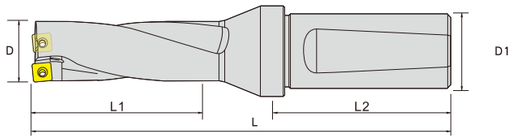


■ SP-3 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
SP04-3D-10-C20A	3D	30	98	10	20/50	SPMG040202	M1.8x4L		320	●
SP04-3D-10.5-C20A	3D	31.5	99.5	10.5	20/50				320	●
SP05-3D-11-C20A	3D	33	100.5	11	20/50				320	●
SP05-3D-11.5-C20A	3D	34.5	101.5	11.5	20/50				320	●
SP04-3D-12-C20A	3D	36	103	12	20/50	SPMG040202 SPMG040204	M1.8x4L M2.0x5.5L		320	●
SP04-3D-12.5-C20A	3D	37.5	105	12.5	20/50				320	●
SP05-3D-13-C20A	3D	39	106	13	20/50	SPMG050204	M2.2x5.5L	T6	240	●
SP05-3D-13.5-20A	3D	40.5	107.5	13.5	20/50				240	●
SP05-3D-14-C25A	3D	42	120	14	25/56				240	●
SP05-3D-14.5-C25A	3D	43.5	121.5	14.5	25/56				240	●
SP05-3D-15-C25A	3D	45	123	15	25/56				240	●
SP05-3D-15.5-C25A	3D	46.5	124.5	15.5	25/56				240	●
SP05-3D-16-C25A	3D	48	126	16	25/56				240	●
SP05-3D-16.5-C25A	3D	49.5	127.5	16.5	25/56				240	●
SP05-3D-17-C25A	3D	51	129	17	25/56				240	●
SP05-3D-17.5-C25A	3D	52.5	130.5	17.5	25/56				240	●
SP05-3D-18-C25A	3D	54	132	18	25/56				240	●
SP05-3D-18.5-C25A	3D	55.5	133.5	18.5	25/56				240	●
SP06-3D-19-C25A	3D	57	135	19	25/56	SPMG060204	M2.5x6L	T6	240	●
SP06-3D-19.5-C25A	3D	58.5	136.5	19.5	25/56				240	●
SP06-3D-20-C25A	3D	60	138	20	25/56				240	●
SP06-3D-20.5-C25A	3D	61.5	139.5	20.5	25/56				240	●
SP06-3D-21-C25A	3D	63	141	21	25/56				320	●
SP06-3D-21.5-C25A	3D	64.5	142.5	21.5	25/56				320	●
SP06-3D-22-C25A	3D	66	144	22	25/56				320	●

SP-3 Fast driling SP-3



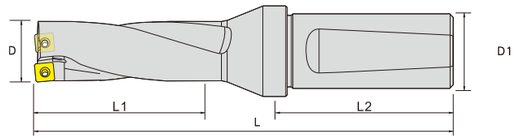


■ SP-3 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
SP06-3D-22.5-C25A	3D	67.5	145.5	22.5	25/56	SPMG060204	M2.5x6L	T6	320	●
SP07-3D-23-C25A	3D	69	147	23	25/56	SPMG07T308	M2.5x7L	T8	320	●
SP07-3D-23.5-C25A	3D	70.5	148.5	23.5	25/56				320	●
SP07-3D-24-C25A	3D	72	150	24	25/56				320	●
SP07-3D-24.5-C25A	3D	73.5	151.5	24.5	25/56				320	●
SP07-3D-25-C32A	3D	75	161	25	32/60				320	●
SP07-3D-25.5-C32A	3D	76.5	162.5	25.5	32/60				360	●
SP07-3D-26-C32A	3D	78	164	26	32/60				360	●
SP07-3D-26.5-C32A	3D	79.5	165.5	26.5	32/60				360	●
SP07-3D-27-C32A	3D	81	167	27	32/60				360	●
SP07-3D-27.5-C32A	3D	82.5	168.5	27.5	32/60				360	●
SP07-3D-28-C32A	3D	84	170	28	32/60				360	●
SP07-3D-28.5-C32A	3D	85.5	171.5	28.5	32/60				360	●
SP09-3D-29-C32A	3D	87	173	29	32/60	SPMG090408	M3.5x10L	T15	360	●
SP09-3D-29.5-C32A	3D	88.5	174.5	29.5	32/60				360	●
SP09-3D-30-C32A	3D	90	176	30	32/60				360	●
SP09-3D-30.5-C32A	3D	91.5	177.5	30.5	32/60				480	●
SP09-3D-31-C32A	3D	93	179	31	32/60				480	●
SP09-3D-31.5-C32A	3D	94.5	180.5	31.5	32/60				480	●
SP09-3D-32-C32A	3D	96	182	32	32/60				480	●
SP09-3D-32.5-C32A	3D	97.5	183.5	32.5	32/60				480	●
SP09-3D-33-C32A	3D	99	185	t	32/60				480	●
SP09-3D-33.5-C32A	3D	100.5	186.5	33.5	32/60				480	●
SP09-3D-34-C32A	3D	102	188	34	32/60				480	●
SP09-3D-34.5-C32A	3D	103.5	189.5	34.5	32/60				480	●
SP09-3D-35-C32A	3D	105	191	35	32/60				480	●

SP-4 Fast driling SP-4



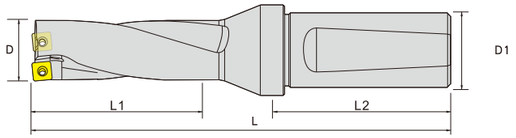


■ SP-3 Fast drilling

產品型號 Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
SP09-3D-35.5-C32A	3D	106.5	192.5	35.5	32/60	SPMG090408	M3.5x10L	T15	480	●
SP09-3D-36-C32A	3D	108	194	36	32/60				480	●
SP09-3D-36.5-C32A	3D	109.5	195.5	36.5	32/60				480	●
SP11-3D-37-C32A	3D	111	197	37	32/60	SPMG110408	M4x10L		480	●
SP11-3D-37.5-C32A	3D	112.5	198.5	37.5	32/60				480	●
SP11-3D-38-C32A	3D	114	200	38	32/60				480	●
SP11-3D-38.5-C32A	3D	115.5	201.5	38.5	32/60				480	●
SP11-3D-39-C32A	3D	117	203	39	32/60				480	●
SP11-3D-39.5-C32A	3D	118.5	204.5	39.5	32/60				480	●
SP11-3D-40-032A	3D	120	206	40	32/60				480	●
SP11-3D-40.5-C32A	3D	121.5	207.5	40.5	32/60				480	●
SP11-3D-41-C32A	3D	123	209	41	32/60				580	●
SP11-3D-41.5-C32A	3D	124.5	210.5	41.5	32/60				580	●
SP11-3D-42-C40A	3D	126	228	42	4070				580	●
SP11-3D-42.5-C40A	3D	127.5	229.5	42.5	40/70				580	●
SP14-3D-43-C40A	3D	129	231	43	40/70	SPMG1400512	M5x12L	T20	580	●
SP14-3D-43.5-C40A	3D	130.5	232.5	43.5	40/70				580	●
SP14-3D-44-C40A	3D	132	234	44	40/70				580	●
SP14-3D-44.5-C40A	3D	133.5	235.5	44.5	40/70				580	●
SP14-3D-45-C40A	3D	135	237	45	40/70				580	●
SP14-3D-45.5-C40A	3D	136.5	238.5	45.5	40/70				580	●
SP14-3D-46-C40A	3D	138	240	46	40/70				750	●
SP14-3D-46.5-C40A	3D	139.5	241.5	46.5	40/70				750	●
SP14-3D-47-C40A	3D	141	243	47	40/70				750	●
SP14-3D-47.5-C40A	3D	142.5	244.5	47.5	40/70				750	●

SP-3 Fast driling SP-3



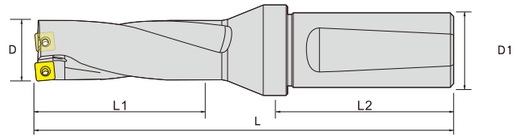


■ SP-3 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
SP14-3D-48-C40A	3D	144	246	48	40/70	SPMG140512	M5x12L	T20	750	●
SP14-3D-49-C40A	3D	147	249	49	40/70				750	●
SP14-3D-50-C40A	3D	150	252	50	40/70				750	●
SP07-3D-51-C40A	3D	153	255	51	40/70	SPMG07T308	M2.5x7L	T8	876	●
SP07-3D-52-C40A	3D	156	260	52	40/70				876	●
SP07-3D-53-C40A	3D	159	263	53	40/70				876	●
SP07-3D-54-C40A	3D	162	266	54	40/70				876	●
SP07-3D-55-C40A	3D	165	269	55	40/70				876	●
SP07-3D-56-C40A	3D	168	272	56	40/70				1080	●
SP09-3D-57-C40A	3D	171	275	57	40/70	SPMG090408	M3.5x10L	T15	1080	●
SP09-3D-58-C40A	3D	174	278	58	40/70				1080	●
SP09-3D-59-C40A	3D	177	281	59	40/70				1080	●
SP09-3D-60-C40A	3D	180	284	60	40/70				1200	●
SP09-3D-61-C40A	3D	183	287	61	40/70				1200	●
SP09-3D-62-C40A	3D	186	292	62	40/70				1200	●
SP09-3D-63-C40A	3D	189	295	63	40/70				1200	●
SP09-3D-64-C40A	3D	192	302	64	40/70				1200	●
SP09-3D-65-C40A	3D	195	305	65	40/70				1200	●
SP09-3D-66-C40A	3D	198	308	66	40/70				1320	●
SP11-3D-67-C40A	3D	201	311	67	40/70	SPMG110408	M4x10L		1320	●
SP11-3D-68-C40	3D	204	314	68	40/70				1320	●
SP11-3D-69-C40A	3D	207	317	69	40/70				1456	●
SP11-3D-70-C40A	3D	210	320	70	40/70				1456	●

SP-4 Fast driling SP-4



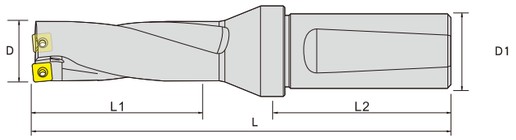


■ SP-4 Fast drilling

產品型號 Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
SP04-4D-12-20A	4D	48	115	12	20/50	SPMG040202 SPMG040204	M1.8x4L M2.0x5.5L		340	●
SP04-4D-12.5-C20A	4D	50	117	12.5	20/50				340	●
SP05-4D-13-C20A	4D	52	119	13	20/50	SPMG050204	M2.2x5.5L	T6	280	●
SP05-4D-13.5-C20A	4D	54	121	13.5	20/50				280	●
SP05-4D-14-C25A	4D	56	134	14	25/56				280	●
SP05-4D-14.5-C25A	4D	58	136	14.5	25/56				280	●
SP05-4D-15-C25A	4D	60	138	15	25/56				280	●
SP05-4D-15.5-C25A	4D	62	140	15.5	25/56				280	●
SP05-4D-16-C25A	4D	64	142	16	25/56				280	●
SP05-4D-16.5-C25A	4D	66	144	16.5	25/56				280	●
SP05-4D-17-C25A	4D	68	146	17	25/56				280	●
SP05-4D-17.5-C25A	4D	70	148	17.5	25/56				280	●
SP05-4D-18-C25A	4D	72	150	18	25/56				280	●
SP05-4D-18.5-C25A	4D	74	152	18.5	25/56				280	●
SP06-4D-19-C25A	4D	76	154	19	25/56	SPMG060204	M2.5x6L	T6	280	●
SP06-4D-19.5-C25A	4D	78	1546	19.5	25/56				280	●
SP06-4D-20-C25A	4D	80	158	20	25/56				280	●
SP06-4D-20.5-C25A	4D	82	160	20.5	25/56				380	●
SP06-4D-21-C25A	4D	84	162	21	25/56				380	●
SP06-4D-21.5-C25A	4D	86	164	21.5	25/56				380	●
SP06-4D-22-C25A	4D	88	166	22	25/56				380	●
SP06-4D-22.5-C25A	4D	90	168	22.5	25/56				380	●
SP07-4D-23-C25A	4D	92	178	23	25/56	SPMG07T308	M2.5x7L	T8	380	●
SP07-4D-23.5-C25A	4D	94	172	23.5	25/56				380	●
SP07-4D-24-C25A	4D	96	174	24	25/56				380	●

SP-4 Fast driling SP-4



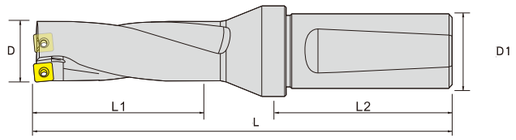


■ SP-4 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
SP07-4D-24.5-C25A	4D	98	176	24.5	25/56	SPMG07T308	M2.5x7L	T8	380	●
SP07-4D-25-C32A	4D	100	186	25	32/60				380	●
SP07-4D-25.5-C32A	4D	102	188	25.5	32/60				380	●
SP07-4D-26-C32A	4D	104	190	26	32/60				440	●
SP07-4D-26.5-C32A	4D	106	192	26.5	32/60				440	●
SP07-4D-27-C32A	4D	108	194	27	32/60				440	●
SP07-4D-27.5-C32A	4D	110	196	27.5	32/60				440	●
SP07-4D-28-C32A	4D	112	198	28	32/60				440	●
SP07-4D-28.5-C32A	4D	114	200	28.5	32/60				440	●
SP09-4D-29-C32A	4D	116	202	29	32/60	SPMG070408	M3.5x10L	T15	440	●
SP09-4D-29.5-C32A	4D	118	204	29.5	32/60				440	●
SP09-4D-30-C32A	4D	120	206	30	32/60				440	●
SP09-4D-30.5-C32A	4D	122	208	30.5	32/60				550	●
SP09-4D-31-C32A	4D	124	210	31	32/60				550	●
SP09-4D-31.5-C32A	4D	126	212	31.5	32/60				550	●
SP09-4D-32-C32A	4D	128	214	32	32/60				550	●
SP09-4D-32.5-C32A	4D	130	216	32.5	32/60				550	●
SP09-4D-33-C32A	4D	132	218	33	32/60				550	●
SP09-4D-33.5-C32A	4D	134	220	33.5	32/60				550	●
SP09-4D-34-C32A	4D	136	222	34	32/60				550	●
SP09-4D-34.5-C32A	4D	138	224	34.5	32/60				550	●
SP09-4D-35-C32A	4D	140	226	35	32/60				550	●

SP-4 Fast driling SP-4





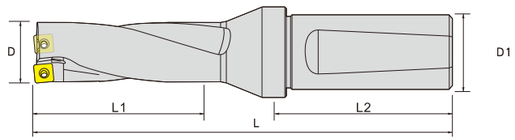
■ SP-4 Fast drilling

產品型號 Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
SP09-4D-35.5-C32A	4D	142	228	35.5	32/60	SPMG090408	M3.5x10L	T15	550	●
SP09-4D-36-C32A	4D	144	230	36	32/60				550	●
SP09-4D-36.5-032A	4D	146	232	36.5	32/60				550	●
SP11-4D-37-C32A	4D	148	234	37	32/60	SPMG110408	M4x10L		550	●
SP11-4D-37.5-C32A	4D	150	236	37.5	32/60				550	●
SP11-4D-38-C32A	4D	152	238	38	32/60				550	●
SP11-4D-38.5-C32A	4D	154	240	38.5	32/60				550	●
SP11-4D-39-C32A	4D	156	242	39	32/60				550	●
SP11-4D-39.5-C32A	4D	158	244	39.5	32/60				550	●
SP11-4D-40-C32A	4D	160	246	40	32/60				550	●
SP11-4D-40.5-C32A	4D	162	248	40.5	32/60				550	●
SP11-4D-41-C32A	4D	164	250	41	32/60				550	●
SP11-4D-41.5-C32A	4D	166	252	41.5	32/60				660	●
SP11-4D-42-C40A	4D	168	270	42	40/70				660	●
SP11-4D-42.5-C40A	4D	170	272	42.5	40/70				660	●
SP14-4D-43-C40A	4D	172	274	43	40/70	SPMG140512	M5x12L	T20	660	●
SP14-4D-43.5-C40A	4D	174	276	43.5	40/70				660	●
SP14-4D-44-C40A	4D	176	278	44	40/70				660	●
SP14-4D-44.5-C40A	4D	178	280	44.5	40/70				660	●
SP14-4D-45-C40A	4D	180	282	45	40/70				660	●
SP14-4D-45.5-C40A	4D	182	284	45.5	40/70				660	●
SP14-4D-46-C40A	4D	184	286	46	40/70				860	●
SP14-4D-46.5-C40A	4D	186	288	46.5	40/70				860	●
SP14-4D-47-C40A	4D	188	290	47	40/70				860	●
SP14-4D-47.5-C40A	4D	190	292	47.5	40/70				860	●
SP14-4D-48-C40A	4D	192	294	48	40/70				860	●
SP14-4D-48.5-C40A	4D	194	296	48.5	40/70				860	●
SP14-4D-49-C40A	4D	196	298	49	40/70				860	●
SP14-4D-49.5-C40A	4D	198	300	49.5	40/70				860	●

SP-4

SP-5 Fast driling SP-5



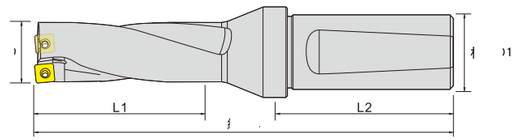


■ SP-4 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
SP14-4D-50-C40A	4D	200	302	50	40/70	SPMG140512	M5x12L	T20	860	●
SP07-4D-51-C40A	4D	204	306	51	40/70	SPMG07T308	M2.5x7L	T8	1080	●
SP07-4D-52-C40A	4D	208	312	52	40/70				1080	●
SP07-4D-53-C40A	4D	212	316	53	40/70				1080	●
SP07-4D-54-C40A	4D	216	320	54	40/70				1080	●
SP07-4D-55-C40A	4D	220	324	55	40/70				1080	●
SP07-4D-56-C40A	4D	224	328	56	40/70				1248	●
SP09-4D-57-C40A	4D	228	332	57	40/70	SPMG090408	M3.5x10L	T15	1248	●
SP09-4D-58-C40A	4D	232	336	58	40/70				1248	●
SP09-4D-59-C40A	4D	236	340	59	40/70				1248	●
SP09-4D-60-C40A	4D	240	344	60	40/70				1248	●
SP09-4D-61-C40A	4D	244	348	61	40/70				1500	●
SP09-4D-62-C40A	4D	248	354	62	40/70				1500	●
SP09-4D-63-C40A	4D	252	358	63	40/70				1500	●
SP09-4D-64-C40A	4D	256	366	64	40/70				1680	●
SP09-4D-65-C40A	4D	260	370	65	40/70				1680	●
SP09-4D-66-C40A	4D	264	374	66	40/70				1680	●
SP11-4D-67-C40A	4D	268	378	67	40/70	SPMG110408	M4x10L		1680	●
SP11-4D-68-C40A	4D	272	382	68	40/70				1680	●
SP11-4D-69-C40A	4D	276	386	69	40/70				1740	●
SP11-4D-70-C40A	4D	280	390	70	40/70				1740	●

SP-5 Fast driling SP-5



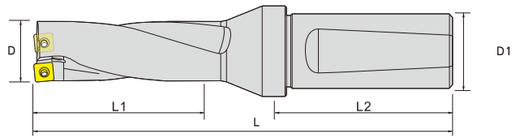


■ SP-5 Fast drilling

產品型號 Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
SP05-5D-13-C20A	5D	65	132	13	20/50	SPMG050204	M2.2x5.5L	T6	491	●
SP05-5D-13.5-C20A	5D	67.5	134.5	13.5	20/50				491	●
SP05-5D-14-C25A	5D	70	148	14	25/56				491	●
SP05-5D-14.5-C25A	5D	72.5	150.5	14.5	25/56				491	●
SP05-5D-15-C25A	5D	75	153	15	25/56				491	●
SP05-5D-15.5-C25A	5D	77.5	155.5	15.5	25/56				491	●
SP05-5D-16-C25A	5D	80	158	16	25/56				491	●
SP05-5D-16.5-C25A	5D	82.5	160.5	16.5	25/56				491	●
SP05-5D-17-C25A	5D	85	163	17	25/56				491	●
SP05-5D-17.5-C25A	5D	87.5	165.5	17.5	25/56				491	●
SP05-5D-18-C25A	5D	90	168	18	25/56				491	●
SP05-5D-18.5-C25A	5D	92.5	170.5	18.5	25/56				491	●
SP06-5D-19-C25A	5D	95	173	19	25/56	SPMG060204	M2.5x6L	T8	491	●
SP06-5D-19.5-C25A	5D	97.5	175.5	19.5	25/56				491	●
SP06-5D-20-C25A	5D	100	178	20	25/56				510	●
SP06-5D-20.5-C25A	5D	102.5	180.5	20.5	25/56				510	●
SP06-5D-21-C25A	5D	105	183	21	25/56				515	●
SP06-5D-21.5-C25A	5D	107.5	185.5	21.5	25/56				515	●
SP06-5D-22-C25A	5D	110	188	22	25/56				528	●
SP06-5D-22.5-C25A	5D	112.5	190.5	22.5	25/56				528	●
SP07-5D-23-C25A	5D	115	193	23	25/56	SPMG07T308	M2.5x7L		528	●
SP07-5D-23.5-C25A	5D	117.5	195.5	23.5	25/56				528	●
SP07-5D-24-C25A	5D	120	198	24	25/56				546	●

SP-5 Fast driling SP-5



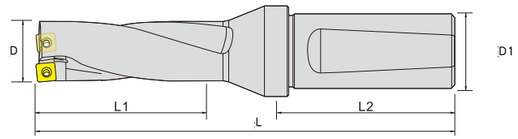


■ SP-5 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
SP07-5D-24.5-C25A	5D	122.5	200.5	24.5	25/56	SPMG07T308	M2.5x7L	T8	546	●
SP07-5D-25-C32A	5D	125	211	25	32/60				546	●
SP07-5D-25.5-C32A	5D	127.5	213.5	25.5	32/60				546	●
SP07-5D-26-C32A	5D	130	216	26	32/60				560	●
SP07-5D-26.5-C32A	5D	132.5	218.5	26.5	32/60				560	●
SP07-5D-27-C32A	5D	135	221	27	32/60				573	●
SP07-5D-27.5-C32A	5D	137.5	223.5	27.5	32/60				573	●
SP07-5D-28-C32A	5D	140	226	28	32/60				591	●
SP07-5D-28.5-C32A	5D	142.5	228.5	28.5	32/60				591	●
SP09-5D-29-C32A	5D	145	231	29	32/60	SPMG090408	M3.5x10L	T15	615	●
SP09-5D-29.5-C32A	5D	147.5	233.5	29.5	32/60				615	●
SP09-5D-30-C32A	5D	150	236	30	32/60				628	●
SP09-5D-30.5-C32A	5D	152.5	238.5	30.5	32/60				628	●
SP09-5D-31-C32A	5D	155	241	31	32/60				628	●
SP09-5D-31.5-C32A	5D	157.5	243.5	31.5	32/60				628	●
SP09-5D-32-C32A	5D	160	246	32	32/60				646	●
SP09-5D-32.5-32A	5D	162.5	248.5	32.5	32/60				646	●
SP09-5D-33-C32A	5D	165	251	33	32/60				646	●
SP09-5D-335-C32A	5D	167.5	253.5	33.5	32/60				646	●
SP09-5D-34-C32A	5D	170	256	34	32/60				664	●
SP09-5D-34.5-C32A	5D	172.5	258.5	34.5	32/60				664	●
SP09-5D-35-C32A	5D	175	261	35	32/60				700	●

SP-5 Fast driling SP-5



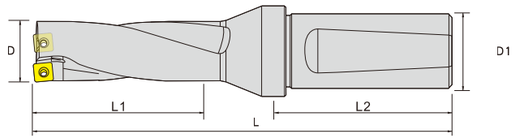


■ SP-5 Fast drilling

產品型號 Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
SP09-5D-35.5-C32A	5D	177.5	263.5	35.5	32/60	SPMG090408	M3.5x10L	T15	700	●
SP09-5D-36-C32A	5D	180	266	36	32/60				710	●
SP09-5D-36.5-C32A	5D	182.5	268.5	36.5	32/60				710	●
SP11-5D-37-C32A	5D	185	271	37	32/60	SPMG110408	M4x10L		710	●
SP11-5D-37.5-C32A	5D	187.5	273.5	37.5	32/60				710	●
SP11-5D-38-C32A	5D	190	276	38	32/60				746	●
SP11-5D-38.5-C32A	5D	192.5	278.5	38.5	32/60				746	●
SP11-5D-39-C32A	5D	195	281	39	32/60				746	●
SP11-5D-39.5-C32A	5D	197.5	283.5	39.5	32/60				746	●
SP11-5D-40-C32A	5D	200	286	40	32/60				820	●
SP11-5D-40.5-C32A	5D	202.5	288.5	40.5	32/60				820	●
SP11-5D-41-C32A	5D	205	291	41	32/60				820	●
SP11-5D-41.5-C32A	5D	207.5	293.5	41.5	32/60				820	●
SP11-5D-42-C40A	5D	210	312	42	40/70				871	●
SP11-5D-42.5-C40A	5D	212.5	314	42.5	40/70				871	●
SP14-5D-43-C40A	5D	215	317	43	40/70	SPMG140512	M5x12L	T20	891	●
SP14-5D-43.5-C40A	5D	217.5	319.5	43.5	40/70				891	●
SP14-5D-44-C40A	5D	220	322	44	40/70				910	●
SP14-5D-44.5-C40A	5D	222.5	324.5	44.5	40/70				910	●
SP14-5D-45-C40A	5D	225	327	45	40/70				920	●
SP14-5D-45.5-C40A	5D	227.5	329.5	45.5	40/70				920	●
SP14-5D-46-C40A	5D	230	332	46	40/70				1100	●
SP14-5D-46.5-C40A	5D	232.5	334.5	46.5	40/70				1100	●
SP14-5D-47-C40A	5D	235	337	47	40/70				1100	●
SP14-5D-47.5-C40A	5D	237.5	339.5	47.5	40/70				1100	●
SP14-5D-48-C40A	5D	240	342	48	40/70				1100	●
SP14-5D-48.5-C40A	5D	242.5	344.5	48.5	40/70				1100	●
SP14-5D-49-C40A	5D	245	347	49	40/70				1100	●
SP14-5D-49.5-C40A	5D	247.5	349.5	49.5	40/70				1100	●

SP-5 Fast driling SP-5





■ SP-5 Fast drilling

Model No	(Size and shape)					Insert	Screw	Wrench	Price	Stock
	(DL)	(L1)	(L)	(D)	D1 L2					
SP14-5D-50-C40A	5D	250	352	50	40/70	SPMG140512	M5x12L	T20	1100	●
SP07-5D-51-C40A	5D	255	357	51	40/70	SPMG07T308	M2.5x7L	T8	1176	●
SP07-5D-52-C40A	5D	260	364	52	40/70				1200	●
SP07-5D-53-C40A	5D	265	369	53	40/70				1224	●
SP07-5D-54-C40A	5D	270	374	54	40/70				1248	●
SP07-5D-55-C40A	5D	275	379	55	40/70				1310	●
SP07-5D-56-C40A	5D	280	384	56	40/70				1500	●
SP09-5D-57-C40A	5D	285	389	57	40/70	SPMG090408	M3.5x10L	T15	1500	●
SP09-5D-58-C40A	5D	290	394	58	40/70				1500	●
SP09-5D-59-C40A	5D	295	399	59	40/70				1520	●
SP09-5D-60-C40A	5D	300	404	60	40/70				1520	●
SP09-5D-61-C40A	5D	305	409	61	40/70				1800	●
SP09-5D-62-C40A	5D	310	416	62	40/70				1800	●
SP09-5D-63-C40A	5D	315	421	63	40/70				1800	●
SP09-5D-64-C40A	5D	320	430	64	40/70				1800	●
SP09-5D-65-C40A	5D	325	435	65	40/70				1970	●
SP09-5D-66-C40A	5D	330	440	66	40/70				1970	●
SP11-5D-67-C40A	5D	335	445	67	40/70	SPMG110408	M4x10L		1970	●
SP11-5D-68-C40A	5D	340	450	68	40/70				1970	●
SP11-5D-69-C40A	5D	345	455	69	40/70				1970	●
SP11-5D-70-C40A	5D	350	460	70	40/70				1970	●

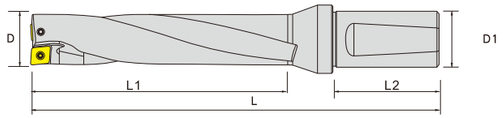
WD times faster drill series

WD快速钻系列



WD-2 Fast driling WD-2D



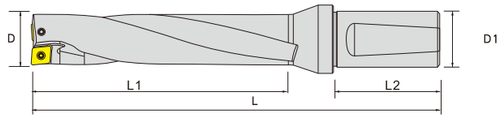


■ WD-2D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
WD04-2D-13.0-C20	2D	26	88	13.0	20/50	WDXT042004	BFTX 01604N	TRX06	○
WD04-2D-13.5-C20	2D	27	89	13.5	20/50				○
WD04-2D-14.0-C20	2D	28	90	14.0	20/50				○
WD04-2D-14.5-C20	2D	29	91	14.5	20/50				○
WD04-2D-15.0-C20	2D	30	92	15.0	20/50				○
WD05-2D-15.5-C20	2D	31	93	15.5	20/50	WDXT052504	BFTX 0204N		○
WD05-2D-16.0-C20	2D	32	94	16.0	20/50				○
WD05-2D-16.5-C20	2D	33	95	16.5	20/50				○
WD05-2D-17.0-C20	2D	34	96	17.0	20/50				○
WD05-2D-17.5-C25	2D	35	109	17.5	25/56				○
WD05-2D-18.0-C25	2D	36	110	18.0	25/56	WDXT063006	BFTY 02206	TRD07	○
WD06-2D-18.5-C25	2D	37	111	18.5	25/56				○
WD06-2D-19.0-C25	2D	38	112	19.0	25/56				○
WD06-2D-19.5-C25	2D	39	113	19.5	25/56				○
WD06-2D-20.0-C25	2D	40	114	20.0	25/56				○
WD06-2D-20.5-C25	2D	41	115	20.5	25/56				○
WD06-2D-21.0-C25	2D	42	116	21.0	25/56				○
WD06-2D-21.5-C25	2D	43	117	21.5	25/56				○
WD06-2D-22.0-C25	2D	44	118	22.0	25/56				○
WD06-2D-22.5-C25	2D	45	119	22.5	25/56				○
WD07-2D-23.0-C25	2D	46	123	23.0	25/56	WDXT073506	BFTX 02506N	TRD08	○

WD-2 Fast driling WD-2D



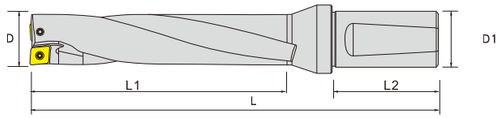


■ WD-2D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
WD07-2D-23.5-C25	2D	47	124	23.5	25/56	WDXT073506	BFTX 02506N	TRD08	○
WD07-2D-24.0-C25	2D	48	125	24.0	25/56				○
WD07-2D-24.5-C25	2D	49	126	24.5	25/56				○
WD07-2D-25.0-C25	2D	50	127	25.0	25/56				○
WD07-2D-25.5-C32	2D	51	134	25.5	32/60				○
WD07-2D-26.0-C32	2D	52	135	26.0	32/60				○
WD07-2D-26.5-C32	2D	53	136	26.5	32/60				○
WD07-2D-27.0-C32	2D	54	137	27.0	32/60				○
WD07-2D-27.5-C32	2D	55	138	27.5	32/60				○
WD07-2D-28.0-C32	2D	56	139	28.0	32/60				○
WD07-2D-28.5-C32	2D	57	140	28.5	32/60				○
WD09-2D-29.0-C32	2D	58	143	29.0	32/60	WDXT094008	BFTX 03584	TRD15	○
WD09-2D-29.5-C32	2D	59	144	29.5	32/60				○
WD09-2D-30.0-C40	2D	60	158	30.0	40/70				○
WD09-2D-30.5-C40	2D	61	159	30.5	40/70				○
WD09-2D-31.0-C40	2D	62	160	31.0	40/70				○
WD09-2D-31.5-C40	2D	63	161	31.5	40/70				○
WD09-2D-32.0-C40	2D	64	162	32.0	40/70				○
WD09-2D-32.5-C40	2D	65	163	32.5	40/70				○
WD09-2D-33.0-C40	2D	66	164	33.0	40/70				○
WD09-2D-33.5-C40	2D	67	165	33.5	40/70				○

WD-2 Fast driling WD-2D



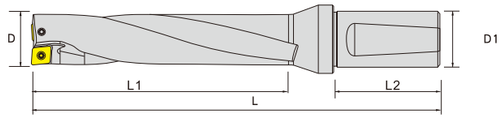


■ WD-2D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
WD09-2D-34.0-C40	2D	68	166	34.0	40/70	WDXT094008	BFTX 03584	TRD15	○
WD09-2D-34.5-C40	2D	69	167	34.5	40/70				○
WD09-2D-35.0-C40	2D	70	168	35.0	40/70				○
WD09-2D-35.5-C40	2D	71	169	35.5	40/70				○
WD09-2D-36.0-C40	2D	72	170	36.0	40/70				○
WD12-2D-36.5-C40	2D	73	171	36.5	40/70				○
WD12-2D-37.0-C40	2D	74	179	37.0	40/70	WDXT125012	BFTX 0511N	TRD20	○
WD12-2D-37.5-C40	2D	75	180	37.5	40/70				○
WD12-2D-38.0-C40	2D	76	181	38.0	40/70				○
WD12-2D-38.5-C40	2D	77	182	38.5	40/70				○
WD12-2D-39.0-C40	2D	78	183	39.0	40/70				○
WD12-2D-39.5-C40	2D	79	184	39.5	40/70				○
WD12-2D-40.0-C40	2D	80	185	40.0	40/70				○
WD12-2D-40.5-C40	2D	81	186	40.5	40/70				○
WD12-2D-41.0-C40	2D	82	187	41.0	40/70				○
WD12-2D-41.5-C40	2D	83	188	41.5	40/70				○
WD12-2D-42.0-C40	2D	84	189	42.0	40/70				○
WD12-2D-42.5-C40	2D	85	190	42.5	40/70				○
WD12-2D-43.0-C40	2D	86	191	43.0	40/70				○
WD12-2D-43.5-C40	2D	87	192	43.5	40/70				○
WD12-2D-44.0-C40	2D	88	193	44.0	40/70				○

WD-2 Fast driling WD-2D



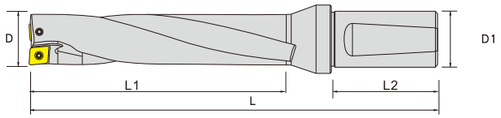


■ WD-2D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
WD12-2D-44.5-C40	2D	89	194	44.5	40/70	WDXT125012	BFTX 0511N	TRD20	○
WD12-2D-45.0-C40	2D	90	195	45.0	40/70				○
WD12-2D-45.5-C40	2D	91	196	45.5	40/70				○
WD15-2D-46.0-C40	2D	92	197	46.0	40/70	WDXT156012	BFTX 0615N	TRD25	○
WD15-2D-46.5-C40	2D	93	198	46.5	40/70				○
WD15-2D-47.0-C40	2D	94	199	47.0	40/70				○
WD15-2D-47.5-C40	2D	95	200	47.5	40/70				○
WD15-2D-48.0-C40	2D	96	201	48.0	40/70				○
WD15-2D-48.5-C40	2D	97	202	48.5	40/70				○
WD15-2D-49.0-C40	2D	98	203	49.0	40/70				○
WD15-2D-49.5-C40	2D	99	204	49.5	40/70				○
WD15-2D-50.0-C40	2D	100	205	50.0	40/70				○
WD15-2D-50.5-C40	2D	101	206	50.5	40/70				○
WD15-2D-51.0-C40	2D	102	207	51.0	40/70				○
WD15-2D-51.5-C40	2D	103	208	51.5	40/70				○
WD15-2D-52.0-C40	2D	104	209	52.0	40/70				○
WD15-2D-52.5-C40	2D	105	210	52.5	40/70				○
WD15-2D-53.0-C40	2D	106	211	53.0	40/70				○
WD15-2D-53.5-C40	2D	107	212	53.5	40/70				○
WD15-2D-54.0-C40	2D	108	213	54.0	40/70				○
WD15-2D-54.5-C40	2D	109	214	54.5	40/70				○

WD-2 Fast driling WD-2D



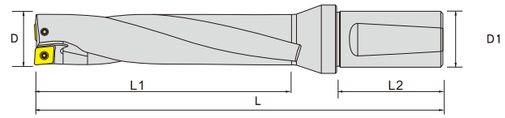


■ WD-2D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
WD15-2D-55.0-C40	2D	110	215	55.0	40/70	WDXT156012			○
WD15-2D-55.5-C40	2D	111	216	55.5	40/70				○
WD18-2D-56.0-C40	2D	112	220	56.0	40/70	WDXT186012	BFTX0615N	TRD25	○
WD18-2D-56.5-C40	2D	113	223	56.5	40/70				○
WD18-2D-57.0-C40	2D	114	224	57.0	40/70				○
WD18-2D-57.5-C40	2D	115	225	57.5	40/70				○
WD18-2D-58.0-C40	2D	116	226	58.0	40/70				○
WD18-2D-59.0-C40	2D	118	227	59.0	40/70				○
WD18-2D-60.0-C40	2D	120	230	60.0	40/70				○
WD18-2D-61.0-C40	2D	122	232	61.0	40/70				○
WD18-2D-62.0-C40	2D	124	234	62.0	40/70				○
WD18-2D-63.0-C40	2D	126	236	63.0	40/70				○
WD18-2D-64.0-C40	2D	128	238	64.0	40/70				○
WD18-2D-65.0-C40	2D	130	240	65.0	40/70				○
WD18-2D-66.0-C40	2D	132	242	66.0	40/70				○
WD18-2D-67.0-C40	2D	134	244	67.0	40/70				○
WD18-2D-68.0-C40	2D	136	246	68.0	40/70				○

WD-3 Fast driling WD-3D



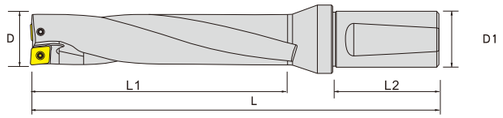


■ WD-3D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
WD04-3D-13.0-C20	3D	39	101	13.0	20/50	WDXT042004	BFTX 01604N	TRX06	○
WD04-3D-13.5-C20	3D	40.5	102.5	13.5	20/50				○
WD04-3D-14.0-C20	3D	42	104	14.0	20/50				○
WD04-3D-14.5-C20	3D	43.5	104.5	14.5	20/50				○
WD04-3D-15.0-C20	3D	45	107	15.0	20/50				○
WD05-3D-15.5-C20	3D	46.5	108.5	15.5	20/50	WDXT052504	BFTX 0204N	TRX06	○
WD05-3D-16.0-C20	3D	48	111	16.0	20/50				○
WD05-3D-16.5-C20	3D	49.5	111.5	16.5	20/50				○
WD05-3D-17.0-C20	3D	51	113	17.0	20/50				○
WD05-3D-17.5-C25	3D	52.5	126.5	17.5	25/56				○
WD05-3D-18.0-C25	3D	54	128	18.0	25/56				○
WD06-3D-18.5-C25	3D	55.5	129.5	18.5	25/56	WDXT063006	BFTY 02206	TRD07	○
WD06-3D-19.0-C25	3D	57	131	19.0	25/56				○
WD06-3D-19.5-C25	3D	58.5	132.5	19.5	25/56				○
WD06-3D-20.0-C25	3D	60	134	20.0	25/56				○
WD06-3D-20.5-C25	3D	61.5	135.5	20.5	25/56				○
WD06-3D-21.0-C25	3D	63	137	21.0	25/56				○
WD06-3D-21.5-C25	3D	64.5	138.5	21.5	25/56				○
WD06-3D-22.0-C25	3D	66	140	22.0	25/56				○
WD06-3D-22.5-C25	3D	67.5	141.5	22.5	25/56				○
WD07-3D-23.0-C25	3D	69	146	23.0	25/56	WDXT073506	BFTX 02506N	TRD08	○

WD-3 Fast driling WD-3D



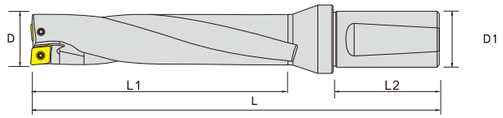


■ WD-3D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
WD07-3D-23.5-C25	3D	70.5	147.5	23.5	25/56	WDXT073506	BFTX 02506N	TRD08	○
WD07-3D-24.0-C25	3D	72	149	24.0	25/56				○
WD07-3D-24.5-C25	3D	73.5	150.5	24.5	25/56				○
WD07-3D-25.0-C25	3D	75	152	25.0	25/56				○
WD07-3D-25.5-C32	3D	76.5	159.5	25.5	32/60				○
WD07-3D-26.0-C32	3D	78	161	26.0	32/60				○
WD07-3D-26.5-C32	3D	79.5	162.5	26.5	32/60				○
WD07-3D-27.0-C32	3D	81	164	27.0	32/60				○
WD07-3D-27.5-C32	3D	82.5	165.5	27.5	32/60				○
WD07-3D-28.0-C32	3D	84	167	28.0	32/60				○
WD07-3D-28.5-C32	3D	85.5	168.5	28.5	32/60				○
WD09-3D-29.0-C32	3D	87	172	29.0	32/60	WDXT094008	BFTX 03584	TRD15	○
WD09-3D-29.5-C32	3D	88.5	173.5	29.5	32/60				○
WD09-3D-30.0-C40	3D	90	188	30.0	40/70				○
WD09-3D-30.5-C40	3D	91.5	189.5	30.5	40/70				○
WD09-3D-31.0-C40	3D	93	191	31.0	40/70				○
WD09-3D-31.5-C40	3D	94.5	192.5	31.5	40/70				○
WD09-3D-32.0-C40	3D	96	194	32.0	40/70				○
WD09-3D-32.5-C40	3D	97.5	195.5	32.5	40/70				○
WD09-3D-33.0-C40	3D	99	197	33.0	40/70				○
WD09-3D-33.5-C40	3D	100.5	198.5	33.5	40/70				○

WD-3 Fast driling WD-3D



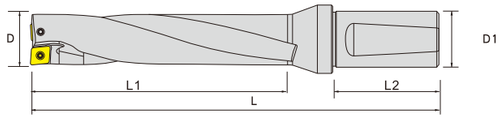


■ WD-3D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
WD09-3D-34.0-C40	3D	102	200	34.0	40/70	WDXT094008	BFTX 03584	TRD15	○
WD09-3D-34.5-C40	3D	103.5	201.5	34.5	40/70				○
WD09-3D-35.0-C40	3D	105	203	35.0	40/70				○
WD09-3D-35.5-C40	3D	106.5	204.5	35.5	40/70				○
WD09-3D-36.0-C40	3D	108	206	36.0	40/70				○
WD12-3D-36.5-C40	3D	109.5	207.5	36.5	40/70				○
WD12-3D-37.0-C40	3D	111	216	37.0	40/70	WDXT125012	BFTX 0511N	TRD20	○
WD12-3D-37.5-C40	3D	112.5	217.5	37.5	40/70				○
WD12-3D-38.0-C40	3D	114	219	38.0	40/70				○
WD12-3D-38.5-C40	3D	115.5	220.5	38.5	40/70				○
WD12-3D-39.0-C40	3D	117	222	39.0	40/70				○
WD12-3D-39.5-C40	3D	118.5	223.5	39.5	40/70				○
WD12-3D-40.0-C40	3D	120	225	40.0	40/70				○
WD12-3D-40.5-C40	3D	121.5	226.5	40.5	40/70				○
WD12-3D-41.0-C40	3D	123	228	41.0	40/70				○
WD12-3D-41.5-C40	3D	124.5	229.5	41.5	40/70				○
WD12-3D-42.0-C40	3D	126	231	42.0	40/70				○
WD12-3D-42.5-C40	3D	127.5	232.5	42.5	40/70				○
WD12-3D-43.0-C40	3D	129	234	43.0	40/70				○
WD12-3D-43.5-C40	3D	130.5	235.5	43.5	40/70				○
WD12-3D-44.0-C40	3D	132	237	44.0	40/70				○

WD-3 Fast driling WD-3D



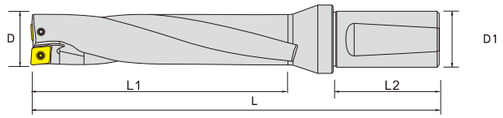


■ WD-3D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
WD12-3D-44.5-C40	3D	133.5	238.5	44.5	40/70	WDXT125012	BFTX 0511N	TRD20	○
WD12-3D-45.0-C40	3D	135	240	45.0	40/70				○
WD12-3D-45.5-C40	3D	136.5	241.5	45.5	40/70				○
WD15-3D-46.0-C40	3D	138	243	46.0	40/70	WDXT156012	BFTX 0615N	TRD25	○
WD15-3D-46.5-C40	3D	139.5	244.5	46.5	40/70				○
WD15-3D-47.0-C40	3D	141	246	47.0	40/70				○
WD15-3D-47.5-C40	3D	142.5	247.5	47.5	40/70				○
WD15-3D-48.0-C40	3D	144	249	48.0	40/70				○
WD15-3D-48.5-C40	3D	145.5	250.5	48.5	40/70				○
WD15-3D-49.0-C40	3D	147	252	49.0	40/70				○
WD15-3D-49.5-C40	3D	148.5	253.5	49.5	40/70				○
WD15-3D-50.0-C40	3D	150	255	50.0	40/70				○
WD15-3D-50.5-C40	3D	151.5	256.5	50.5	40/70				○
WD15-3D-51.0-C40	3D	153	258	51.0	40/70				○
WD15-3D-51.5-C40	3D	154.5	259.5	51.5	40/70				○
WD15-3D-52.0-C40	3D	156	261	52.0	40/70				○
WD15-3D-52.5-C40	3D	157.5	262.5	52.5	40/70				○
WD15-3D-53.0-C40	3D	159	264	53.0	40/70				○
WD15-3D-53.5-C40	3D	160.5	265.5	53.5	40/70				○
WD15-3D-54.0-C40	3D	162	267	54.0	40/70				○
WD15-3D-54.5-C40	3D	163.5	268.5	54.5	40/70				○

WD-3 Fast driling WD-3D





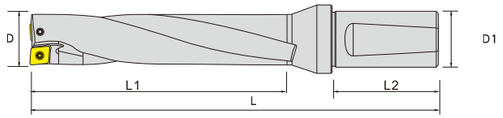
■ WD-3D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
WD15-3D-55.0-C40	3D	165	270	55.0	40/70	WDXT156012	BFTX0615N	TRD25	○
WD15-3D-55.5-C40	3D	166.5	271.5	55.5	40/70				○
WD18-3D-56.0-C40	3D	168	278	56.0	40/70	WDXT186012			○
WD18-3D-56.5-C40	3D	169.5	279.5	56.5	40/70				○
WD18-3D-57.0-C40	3D	171	281	57.0	40/70				○
WD18-3D-57.5-C40	3D	172.5	282.5	57.5	40/70				○
WD18-3D-58.0-C40	3D	174	284	58.0	40/70				○
WD18-3D-59.0-C40	3D	177	287	59.0	40/70				○
WD18-3D-60.0-C40	3D	180	290	60.0	40/70				○
WD18-3D-61.0-C40	3D	183	293	61.0	40/70				○
WD18-3D-62.0-C40	3D	186	296	62.0	40/70				○
WD18-3D-63.0-C40	3D	189	299	63.0	40/70				○
WD18-3D-64.0-C40	3D	192	302	64.0	40/70				○
WD18-3D-65.0-C40	3D	195	305	65.0	40/70				○
WD18-3D-66.0-C40	3D	198	308	66.0	40/70				○
WD18-3D-67.0-C40	3D	201	311	67.0	40/70				○
WD18-3D-68.0-C40	3D	204	314	68.0	40/70				○

WD-3

WD-4 Fast driling WD-4D



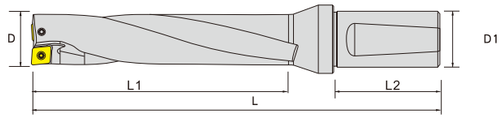


■ WD-4D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
WD04-4D-13.0-C20	4D	52	114	13.0	20/50	WDXT042004	BFTX 01604N	TRX06	○
WD04-4D-13.5-C20	4D	54	116	13.5	20/50				○
WD04-4D-14.0-C20	4D	56	118	14.0	20/50				○
WD04-4D-14.5-C20	4D	58	120	14.5	20/50				○
WD04-4D-15.0-C20	4D	60	122	15.0	20/50				○
WD05-4D-15.5-C20	4D	62	124	15.5	20/50	WDXT052504	BFTX 0204N		○
WD05-4D-16.0-C20	4D	64	126	16.0	20/50				○
WD05-4D-16.5-C20	4D	66	128	16.5	20/50				○
WD05-4D-17.0-C20	4D	68	130	17.0	20/50				○
WD05-4D-17.5-C25	4D	70	144	17.5	25/56				○
WD05-4D-18.0-C25	4D	72	146	18.0	25/56	WDXT063006	BFTY 02206	TRD07	○
WD06-4D-18.5-C25	4D	74	148	18.5	25/56				○
WD06-4D-19.0-C25	4D	76	150	19.0	25/56				○
WD06-4D-19.5-C25	4D	78	152	19.5	25/56				○
WD06-4D-20.0-C25	4D	80	154	20.0	25/56				○
WD06-4D-20.5-C25	4D	82	156	20.5	25/56				○
WD06-4D-21.0-C25	4D	84	158	21.0	25/56				○
WD06-4D-21.5-C25	4D	86	160	21.5	25/56				○
WD06-4D-22.0-C25	4D	88	162	22.0	25/56				○
WD06-4D-22.5-C25	4D	90	164	22.5	25/56				○
WD07-4D-23.0-C25	4D	92	169	23.0	25/56	WDXT073506	BFTX 02506N	TRD08	○

WD-4 Fast driling WD-4D





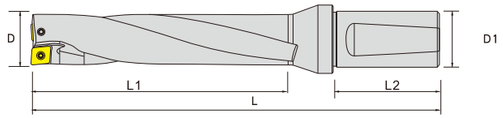
■ WD-4D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
WD07-4D-23.5-C25	4D	94	171	23.5	25/56	WDXT073506	BFTX 02506N	TRD08	○
WD07-4D-24.0-C25	4D	96	173	24.0	25/56				○
WD07-4D-24.5-C25	4D	98	175	24.5	25/56				○
WD07-4D-25.0-C25	4D	100	177	25.0	25/56				○
WD07-4D-25.5-C32	4D	102	185	25.5	32/60				○
WD07-4D-26.0-C32	4D	104	187	26.0	32/60				○
WD07-4D-26.5-C32	4D	106	189	26.5	32/60				○
WD07-4D-27.0-C32	4D	108	191	27.0	32/60				○
WD07-4D-27.5-C32	4D	110	193	27.5	32/60				○
WD07-4D-28.0-C32	4D	112	195	28.0	32/60				○
WD07-4D-28.5-C32	4D	114	197	28.5	32/60				○
WD09-4D-29.0-C32	4D	116	201	29.0	32/60	WDXT094008	BFTX 03584	TRD15	○
WD09-4D-29.5-C32	4D	118	203	29.5	32/60				○
WD09-4D-30.0-C40	4D	120	208	30.0	40/70				○
WD09-4D-30.5-C40	4D	122	210	30.5	40/70				○
WD09-4D-31.0-C40	4D	124	212	31.0	40/70				○
WD09-4D-31.5-C40	4D	126	214	31.5	40/70				○
WD09-4D-32.0-C40	4D	128	226	32.0	40/70				○
WD09-4D-32.5-C40	4D	130	228	32.5	40/70				○
WD09-4D-33.0-C40	4D	132	230	33.0	40/70				○
WD09-4D-33.5-C40	4D	134	232	33.5	40/70				○

WD-4

WD-4 Fast driling WD-4D



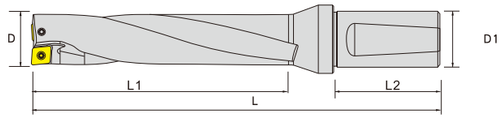


■ WD-4D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
WD09-4D-34.0-C40	4D	136	234	34.0	40/70	WDXT094008	BFTX 03584	TRD15	○
WD09-4D-34.5-C40	4D	138	236	34.5	40/70				○
WD09-4D-35.0-C40	4D	140	238	35.0	40/70				○
WD09-4D-35.5-C40	4D	142	240	35.5	40/70				○
WD09-4D-36.0-C40	4D	144	242	36.0	40/70				○
WD12-4D-36.5-C40	4D	146	244	36.5	40/70				○
WD12-4D-37.0-C40	4D	148	253	37.0	40/70	WDXT125012	BFTX 0511N	TRD20	○
WD12-4D-37.5-C40	4D	150	255	37.5	40/70				○
WD12-4D-38.0-C40	4D	152	257	38.0	40/70				○
WD12-4D-38.5-C40	4D	154	259	38.5	40/70				○
WD12-4D-39.0-C40	4D	156	261	39.0	40/70				○
WD12-4D-39.5-C40	4D	158	263	39.5	40/70				○
WD12-4D-40.0-C40	4D	160	265	40.0	40/70				○
WD12-4D-40.5-C40	4D	162	267	40.5	40/70				○
WD12-4D-41.0-C40	4D	164	269	41.0	40/70				○
WD12-4D-41.5-C40	4D	166	271	41.5	40/70				○
WD12-4D-42.0-C40	4D	168	273	42.0	40/70				○
WD12-4D-42.5-C40	4D	170	275	42.5	40/70				○
WD12-4D-43.0-C40	4D	172	277	43.0	40/70				○
WD12-4D-43.5-C40	4D	174	279	43.5	40/70				○
WD12-4D-44.0-C40	4D	176	281	44.0	40/70				○

WD-4 Fast driling WD-4D





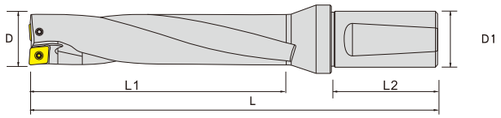
■ WD-4D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
WD12-2D-44.5-C40	4D	89	194	44.5	40/70	WDXT125012	BFTX 0511N	TRD20	○
WD12-2D-45.0-C40	4D	90	195	45.0	40/70				○
WD12-2D-45.5-C40	4D	91	196	45.5	40/70				○
WD15-2D-46.0-C40	4D	92	197	46.0	40/70	WDXT156012	BFTX 0615N	TRD25	○
WD15-2D-46.5-C40	4D	93	198	46.5	40/70				○
WD15-2D-47.0-C40	4D	94	199	47.0	40/70				○
WD15-2D-47.5-C40	4D	95	200	47.5	40/70				○
WD15-2D-48.0-C40	4D	96	201	48.0	40/70				○
WD15-2D-48.5-C40	4D	97	202	48.5	40/70				○
WD15-2D-49.0-C40	4D	98	203	49.0	40/70				○
WD15-2D-49.5-C40	4D	99	204	49.5	40/70				○
WD15-2D-50.0-C40	4D	100	205	50.0	40/70				○
WD15-2D-50.5-C40	4D	101	206	50.5	40/70				○
WD15-2D-51.0-C40	4D	102	207	51.0	40/70				○
WD15-2D-51.5-C40	4D	103	208	51.5	40/70				○
WD15-2D-52.0-C40	4D	104	209	52.0	40/70				○
WD15-2D-52.5-C40	4D	105	210	52.5	40/70				○
WD15-2D-53.0-C40	4D	106	211	53.0	40/70				○
WD15-2D-53.5-C40	4D	107	212	53.5	40/70				○
WD15-2D-54.0-C40	4D	108	213	54.0	40/70				○
WD15-2D-54.5-C40	4D	109	214	54.5	40/70				○

WD-4

WD-4 Fast driling WD-4D



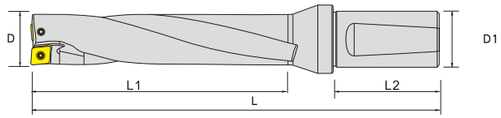


■ WD-4D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
WD15-2D-55.0-C40	4D	110	215	55.0	40/70	WDXT156012			○
WD15-2D-55.5-C40	4D	111	216	55.5	40/70				○
WD18-2D-56.0-C40	4D	112	220	56.0	40/70				○
WD18-2D-56.5-C40	4D	113	223	56.5	40/70				○
WD18-2D-57.0-C40	4D	114	224	57.0	40/70				○
WD18-2D-57.5-C40	4D	115	225	57.5	40/70				○
WD18-2D-58.0-C40	4D	116	226	58.0	40/70	WDXT186012	BFTX0615N	TRD25	○
WD18-2D-59.0-C40	4D	118	227	59.0	40/70				○
WD18-2D-60.0-C40	4D	120	230	60.0	40/70				○
WD18-2D-61.0-C40	4D	122	232	61.0	40/70				○
WD18-2D-62.0-C40	4D	124	234	62.0	40/70				○
WD18-2D-63.0-C40	4D	126	236	63.0	40/70				○
WD18-2D-64.0-C40	4D	128	238	64.0	40/70				○
WD18-2D-65.0-C40	4D	130	240	65.0	40/70				○
WD18-2D-66.0-C40	4D	132	242	66.0	40/70				○
WD18-2D-67.0-C40	4D	134	244	67.0	40/70				○
WD18-2D-68.0-C40	4D	136	246	68.0	40/70				○

WD-5 Fast driling WD-5D



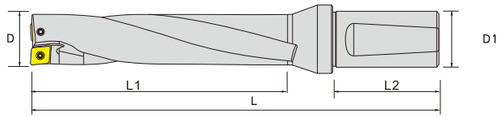


■ WD-5D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
WD04-5D-13.0-C20	5D	65	127	13.0	20/50	WDXT042004	BFTX 01604N	TRX06	○
WD04-5D-13.5-C20	5D	67.5	129.5	13.5	20/50				○
WD04-5D-14.0-C20	5D	70	132	14.0	20/50				○
WD04-5D-14.5-C20	5D	72.5	134.5	14.5	20/50				○
WD04-5D-15.0-C20	5D	75	137	15.0	20/50				○
WD05-5D-15.5-C20	5D	77.5	139.5	15.5	20/50	WDXT052504	BFTX 0204N		○
WD05-5D-16.0-C20	5D	80	142	16.0	20/50				○
WD05-5D-16.5-C20	5D	82.5	144.5	16.5	20/50				○
WD05-5D-17.0-C20	5D	85	147	17.0	20/50				○
WD05-5D-17.5-C25	5D	87.5	161	17.5	25/56				○
WD05-5D-18.0-C25	5D	90	164	18.0	25/56	WDXT063006	BFTY 02206	TRD07	○
WD06-5D-18.5-C25	5D	92.5	166.5	18.5	25/56				○
WD06-5D-19.0-C25	5D	95	169	19.0	25/56				○
WD06-5D-19.5-C25	5D	97.5	171.5	19.5	25/56				○
WD06-5D-20.0-C25	5D	100	174	20.0	25/56				○
WD06-5D-20.5-C25	5D	102.5	176.5	20.5	25/56				○
WD06-5D-21.0-C25	5D	105	179	21.0	25/56				○
WD06-5D-21.5-C25	5D	107.5	181.5	21.5	25/56				○
WD06-5D-22.0-C25	5D	110	184	22.0	25/56				○
WD06-5D-22.5-C25	5D	112.5	186.5	22.5	25/56				○
WD07-5D-23.0-C25	5D	115	192	23.0	25/56	WDXT073506	BFTX 02506N	TRD08	○

WD-5 Fast driling WD-5D



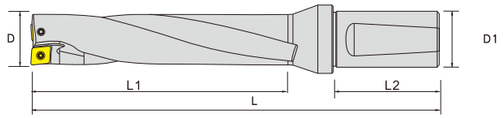


■ WD-5D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
WD07-5D-23.5-C25	5D	117.5	194.5	23.5	25/56				○
WD07-5D-24.0-C25	5D	120	197	24.0	25/56				○
WD07-5D-24.5-C25	5D	122.5	199.5	24.5	25/56				○
WD07-5D-25.0-C25	5D	125	202	25.0	25/56				○
WD07-5D-25.5-C32	5D	127.5	204.5	25.5	32/60				○
WD07-5D-26.0-C32	5D	130	213	26.0	32/60	WDXT073506	BFTX 02506N	TRD08	○
WD07-5D-26.5-C32	5D	132.5	215.5	26.5	32/60				○
WD07-5D-27.0-C32	5D	135	218	27.0	32/60				○
WD07-5D-27.5-C32	5D	137.5	220.5	27.5	32/60				○
WD07-5D-28.0-C32	5D	140	223	28.0	32/60				○
WD07-5D-28.5-C32	5D	142.5	225.5	28.5	32/60				○
WD09-5D-29.0-C32	5D	145	230	29.0	32/60				○
WD09-5D-29.5-C32	5D	147.5	232.5	29.5	32/60				○
WD09-5D-30.0-C40	5D	150	248	30.0	40/70				○
WD09-5D-30.5-C40	5D	152.5	250.5	30.5	40/70				○
WD09-5D-31.0-C40	5D	155	253	31.0	40/70				○
WD09-5D-31.5-C40	5D	157.5	255.5	31.5	40/70	WDXT094008	BFTX 03584	TRD15	○
WD09-5D-32.0-C40	5D	160	258	32.0	40/70				○
WD09-5D-32.5-C40	5D	162.5	260.5	32.5	40/70				○
WD09-5D-33.0-C40	5D	165	263	33.0	40/70				○
WD09-5D-33.5-C40	5D	167.5	265.5	33.5	40/70				○

WD-5 Fast driling WD-5D



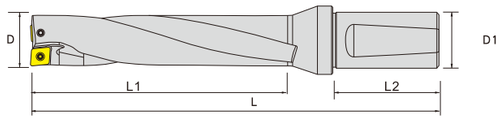


■ WD-5D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
WD09-5D-34.0-C40	5D	170	268	34.0	40/70				○
WD09-5D-34.5-C40	5D	172.5	270.5	34.5	40/70				○
WD09-5D-35.0-C40	5D	175	273	35.0	40/70				○
WD09-5D-35.5-C40	5D	177.5	275.5	35.5	40/70	WDXT094008	BFTX 03584	TRD15	○
WD09-5D-36.0-C40	5D	180	278	36.0	40/70				○
WD12-5D-36.5-C40	5D	182.5	280.5	36.5	40/70				○
WD12-5D-37.0-C40	5D	185	290	37.0	40/70				○
WD12-5D-37.5-C40	5D	187.5	292.5	37.5	40/70				○
WD12-5D-38.0-C40	5D	190	295	38.0	40/70				○
WD12-5D-38.5-C40	5D	192.5	297.5	38.5	40/70				○
WD12-5D-39.0-C40	5D	195	300	39.0	40/70				○
WD12-5D-39.5-C40	5D	197.5	302.5	39.5	40/70				○
WD12-5D-40.0-C40	5D	200	305	40.0	40/70				○
WD12-5D-40.5-C40	5D	202.5	307.5	40.5	40/70	WDXT125012	BFTX 0511N	TRD20	○
WD12-5D-41.0-C40	5D	205	310	41.0	40/70				○
WD12-5D-41.5-C40	5D	207.5	312.5	41.5	40/70				○
WD12-5D-42.0-C40	5D	510	315	42.0	40/70				○
WD12-5D-42.5-C40	5D	212.5	317.5	42.5	40/70				○
WD12-5D-43.0-C40	5D	215	320	43.0	40/70				○
WD12-5D-43.5-C40	5D	217.5	322.5	43.5	40/70				○
WD12-5D-44.0-C40	5D	220	325	44.0	40/70				○

WD-5 Fast driling WD-5D



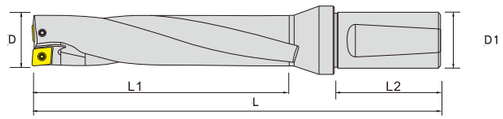


■ WD-5D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
WD12-5D-44.5-C40	5D	222.5	327.5	44.5	40/70	WDXT125012	BFTX 0511N	TRD20	○
WD12-5D-45.0-C40	5D	225	330	45.0	40/70				○
WD12-5D-45.5-C40	5D	227.5	332.5	45.5	40/70				○
WD15-5D-46.0-C40	5D	230	335	46.0	40/70	WDXT156012	BFTX 0615N	TRD25	○
WD15-5D-46.5-C40	5D	232.5	337.5	46.5	40/70				○
WD15-5D-47.0-C40	5D	235	340	47.0	40/70				○
WD15-5D-47.5-C40	5D	237.5	342.5	47.5	40/70				○
WD15-5D-48.0-C40	5D	240	345	48.0	40/70				○
WD15-5D-48.5-C40	5D	242.5	347.5	48.5	40/70				○
WD15-5D-49.0-C40	5D	245	350	49.0	40/70				○
WD15-5D-49.5-C40	5D	247.5	352.5	49.5	40/70				○
WD15-5D-50.0-C40	5D	250	355	50.0	40/70				○
WD15-5D-50.5-C40	5D	252.5	357.5	50.5	40/70				○
WD15-5D-51.0-C40	5D	255	360	51.0	40/70				○
WD15-5D-51.5-C40	5D	257.5	362.5	51.5	40/70				○
WD15-5D-52.0-C40	5D	260	365	52.0	40/70				○
WD15-5D-52.5-C40	5D	262.5	367.5	52.5	40/70				○
WD15-5D-53.0-C40	5D	265	370	53.0	40/70				○
WD15-5D-53.5-C40	5D	267.5	372.5	53.5	40/70				○
WD15-5D-54.0-C40	5D	270	375	54.0	40/70				○
WD15-5D-54.5-C40	5D	272.5	377.5	54.5	40/70				○

WD-5 Fast driling WD-5D





■ WD-5D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
WD15-5D-55.0-C40	5D	275	380	55.0	40/70	WDXT156012	BFTX0615N	TRD25	○
WD15-5D-55.5-C40	5D	277.5	382.5	55.5	40/70				○
WD18-5D-56.0-C40	5D	280	385	56.0	40/70	WDXT186012			○
WD18-5D-56.5-C40	5D	282.5	387.5	56.5	40/70				○
WD18-5D-57.0-C40	5D	285	390	57.0	40/70				○
WD18-5D-57.5-C40	5D	287.5	392.5	57.5	40/70				○
WD18-5D-58.0-C40	5D	290	395	58.0	40/70				○
WD18-5D-59.0-C40	5D	295	400	59.0	40/70				○
WD18-5D-60.0-C40	5D	300	405	60.0	40/70				○
WD18-5D-61.0-C40	5D	305	410	61.0	40/70				○
WD18-5D-62.0-C40	5D	310	415	62.0	40/70				○
WD18-5D-63.0-C40	5D	315	420	63.0	40/70				○
WD18-5D-64.0-C40	5D	320	425	64.0	40/70				○
WD18-5D-65.0-C40	5D	325	430	65.0	40/70				○
WD18-5D-66.0-C40	5D	330	435	66.0	40/70				○
WD18-5D-67.0-C40	5D	335	440	67.0	40/70				○
WD18-5D-68.0-C40	5D	340	445	68.0	40/70				○

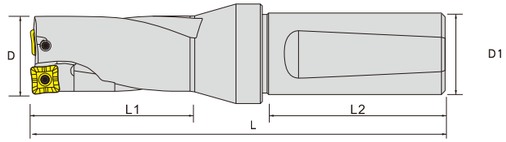
SO times faster drill series

SO



SO-2 Fast driling SO-2



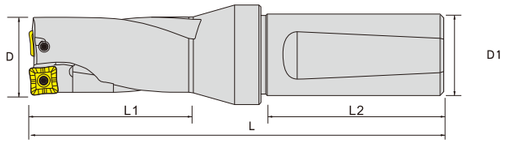


■ SO-2D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
SO05-2D-14.0-C20	2D	28	96	14.0	20/50	SOMT050204	TS 20043I HG-P	TD 6P	○
SO05-2D-14.5-C20	2D	29	99	14.5	20/50				○
SO05-2D-15.0-C20	2D	30	99	15	20/50				○
SO05-2D-15.5-C20	2D	31	102	15.5	20/50				○
SO05-2D-16.0-C20	2D	32	102	16	20/50				○
SO06-2D-16.5-C25	2D	33	110	16.5	25/56	SOMT060204	TS 22052I HG-P	TD 7P	○
SO06-2D-17.0-C25	2D	34	110	17	25/56				○
SO06-2D-17.5-C25	2D	35	113	17.5	25/56				○
SO06-2D-18.0-C25	2D	36	113	18	25/56				○
SO06-2D-18.5-C25	2D	37	115	18.5	25/56				○
SO06-2D-19.0-C25	2D	38	115	19	25/56				○
SO07-2D-19.5-C25	2D	39	119	19.5	25/56	SOMT070306	TS 22052I HG-P	TD 7P	○
SO07-2D-20.0-C25	2D	40	119	20	25/56				○
SO07-2D-20.5-C25	2D	41	121	20.5	25/56				○
SO07-2D-21.0-C25	2D	42	121	21	25/56				○
SO07-2D-21.5-C25	2D	43	123	21.5	25/56				○
SO07-2D-22.0-C25	2D	44	123	22	25/56				○
SO08-2D-22.5-C25	2D	45	124	22.5	25/56	SOMT08T306	SO25065I	TD 7P	○
SO08-2D-23.0-C25	2D	46	124	23	25/56				○
SO08-2D-23.5-C25	2D	47	126	23.5	25/56				○
SO08-2D-24.0-C25	2D	48	126	24	25/56				○

SO-2 Fast driling SO-2



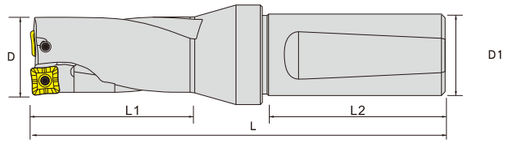


■ SO-2D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
SO08-2D-24.5-C25	2D	49	128	24.5	25/56	WDXT125012	SO 25065I	TD7	○
SO08-2D-25.0-C25	2D	50	128	25	25/56				○
SO08-2D-25.5-C25	2D	51	129	25.5	25/56				○
SO08-2D-26.0-C25	2D	52	129	26	25/56				○
SO09-2D-26.5-C32	2D	53	137	26.5	32/60	SOMT09T308	TS 35088I	TD10	○
SO09-2D-27.0-C32	2D	54	137	27	32/60				○
SO09-2D-27.5-C32	2D	55	139	27.5	32/60				○
SO09-2D-28.0-C32	2D	56	139	28	32/60				○
SO09-2D-28.5-C32	2D	57	141	28.5	32/60				○
SO09-2D-29.0-C32	2D	58	141	29	32/60				○
SO09-2D-29.5-C32	2D	59	143	29.5	32/60				○
SO09-2D-30.0-C32	2D	60	143	30	32/60				○
SO09-2D-30.5-C32	2D	61	145	30.5	32/60				○
SO09-2D-31.0-C32	2D	62	145	31	32/60				○
SO11-2D-31.5-C32	2D	63	147	31.5	32/60	SOMT11T308	TS 35088I	TD10	○
SO11-2D-32.0-C32	2D	64	147	32	32/60				○
SO11-2D-32.5-C32	2D	65	149	32.5	32/60				○
SO11-2D-33.0-C32	2D	66	149	33	32/60				○
SO11-2D-33.5-C32	2D	67	151	33.5	32/60				○
SO11-2D-34.0-C32	2D	68	151	34	32/60				○
SO11-2D-34.5-C32	2D	69	153	34.5	32/60				○

SO-2 Fast driling SO-2



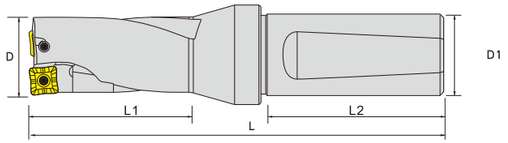


■ SO-2D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
SO11-2D-35.0-C32	2D	70	153	35	32/60	SOMT11T308	TS 35088I	TD10	○
SO11-2D-35.5-C32	2D	71	155	35.5	32/60				○
SO11-2D-36.0-C32	2D	72	155	36	32/60				○
SO13-2D-36.5-C40	2D	73	172	36.5	40/70	SOMT130408	TS 40093I	TD15	○
SO13-2D-37.0-C40	2D	74	172	37	40/70				○
SO13-2D-37.5-C40	2D	75	174	37.5	40/70				○
SO13-2D-38.0-C40	2D	76	174	38	40/70				○
SO13-2D-38.5-C40	2D	77	176	38.5	40/70				○
SO13-2D-39.0-C40	2D	78	176	39	40/70				○
SO13-2D-39.5-C40	2D	79	178	39.5	40/70				○
SO13-2D-40.0-C40	2D	80	178	40	40/70				○
SO13-2D-40.5-C40	2D	81	180	40.5	40/70				○
SO13-2D-41.0-C40	2D	82	180	41	40/70				○
SO13-2D-41.5-C40	2D	83	182	41.5	40/70				○
SO13-2D-42.0-C40	2D	84	182	42	40/70				○
SO13-2D-42.5-C40	2D	85	184	42.5	40/70				○
SO13-2D-43.0-C40	2D	86	184	43	40/70				○
SO15-2D-43.5-C40	2D	87	193	43.5	40/70	SOMT150510	TS 50115I	TD20	○
SO15-2D-44.0-C40	2D	88	193	44	40/70				○
SO15-2D-44.5-C40	2D	89	195	44.5	40/70				○
SO15-2D-45.0-C40	2D	90	195	45	40/70				○

SO-2 Fast driling SO-2



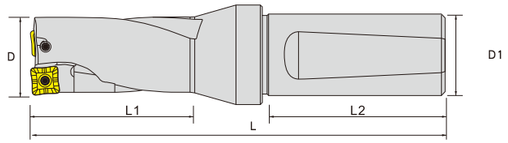


■ SO-2D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 -2				
SO15-2D-45.5-C40	2D	91	197	45.5	40/70	SOMT150510	TS 50115I	TD20	○
SO15-2D-46.0-C40	2D	92	197	46	40/70				○
SO15-2D-46.5-C40	2D	93	199	46.5	40/70				○
SO15-2D-47.0-C40	2D	94	199	47	40/70				○
SO15-2D-47.5-C40	2D	95	201	47.5	40/70	SOMT09T308	TS 35088I	TD10	○
SO15-2D-48.0-C40	2D	96	201	48	40/70				○
SO15-2D-48.5-C40	2D	97	203	48.5	40/70				○
SO15-2D-49.0-C40	2D	98	203	49	40/70				○
SO15-2D-49.5-C40	2D	99	205	49.5	40/70				○
SO15-2D-50.0-C40	2D	100	205	50	40/70				○

SO-3 Fast driling SO-3



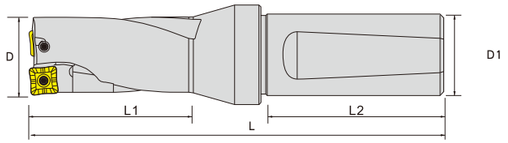


■ SO-3D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
SO05-3D-14.0-C20	3D	42	110	14.0	20/50	SOMT050204	TS 20043I HG-P	TD 6P	○
SO05-3D-14.5-C20	3D	43.5	114	14.5	20/50				○
SO05-3D-15.0-C20	3D	45	114	15	20/50				○
SO05-3D-15.5-C20	3D	46.5	118	15.5	20/50				○
SO05-3D-16.0-C20	3D	48	118	16	20/50				○
SO06-3D-16.5-C25	3D	49.5	127	16.5	25/56	SOMT060204	TS 22052I HG-P	TD 7P	○
SO06-3D-17.0-C25	3D	51	127	17	25/56				○
SO06-3D-17.5-C25	3D	52.5	131	17.5	25/56				○
SO06-3D-18.0-C25	3D	54	131	18	25/56				○
SO06-3D-18.5-C25	3D	55.5	134	18.5	25/56				○
SO06-3D-19.0-C25	3D	57	134	19	25/56				○
SO07-3D-19.5-C25	3D	58.5	139	19.5	25/56	SOMT070306	TS 22052I HG-P	TD 7P	○
SO07-3D-20.0-C25	3D	60	139	20	25/56				○
SO07-3D-20.5-C25	3D	61.5	142	20.5	25/56				○
SO07-3D-21.0-C25	3D	63	142	21	25/56				○
SO07-3D-21.5-C25	3D	64.5	145	21.5	25/56				○
SO07-3D-22.0-C25	3D	66	145	22	25/56				○
SO08-3D-22.5-C25	3D	67.5	147	22.5	25/56	SOMT08T306	SO25065I	TD 7P	○
SO08-3D-23.0-C25	3D	69	147	23	25/56				○
SO08-3D-23.5-C25	3D	70.5	150	23.5	25/56				○
SO08-3D-24.0-C25	3D	72	150	24	25/56				○

SO-3 Fast driling SO-3



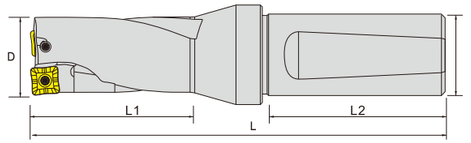


■ SO-3D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 _2				
SO08-3D-24.5-C25	3D	73.5	153	24.5	25/56	WDXT125012	SO 25065I	TD7	○
SO08-3D-25.0-C25	3D	75	153	25	25/56				○
SO08-3D-25.5-C25	3D	76.5	155	25.5	25/56				○
SO08-3D-26.0-C25	3D	78	155	26	25/56				○
SO09-3D-26.5-C32	3D	79.5	164	26.5	32/60	SOMT09T308	TS 35088I	TD10	○
SO09-3D-27.0-C32	3D	81	164	27	32/60				○
SO09-3D-27.5-C32	3D	82.5	167	27.5	32/60				○
SO09-3D-28.0-C32	3D	84	167	28	32/60				○
SO09-3D-28.5-C32	3D	85.5	170	28.5	32/60				○
SO09-3D-29.0-C32	3D	87	170	29	32/60				○
SO09-3D-29.5-C32	3D	88.5	173	29.5	32/60				○
SO09-3D-30.0-C32	3D	90	173	30	32/60				○
SO09-3D-30.5-C32	3D	91.5	176	30.5	32/60				○
SO09-3D-31.0-C32	3D	93	176	31	32/60				○
SO11-3D-31.5-C32	3D	94.5	179	31.5	32/60	SOMT11T308	TS 35088I	TD10	○
SO11-3D-32.0-C32	3D	96	179	32	32/60				○
SO11-3D-32.5-C32	3D	97.5	182	32.5	32/60				○
SO11-3D-33.0-C32	3D	99	182	33	32/60				○
SO11-3D-33.5-C32	3D	100.5	185	33.5	32/60				○
SO11-3D-34.0-C32	3D	102	185	34	32/60				○
SO11-3D-34.5-C32	3D	103.5	188	34.5	32/60				○

SO-3 Fast driling SO-3





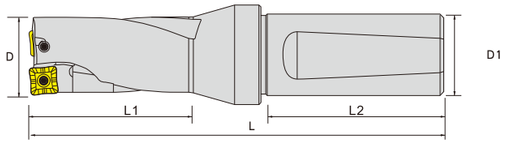
■ SO-3D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 _2				
SO11-3D-35.0-C32	3D	105	188	35	32/60	SOMT11T308	TS 35088I	TD10	○
SO11-3D-35.5-C32	3D	106.5	191	35.5	32/60				○
SO11-3D-36.0-C32	3D	108	191	36	32/60				○
SO13-3D-36.5-C40	3D	109.5	209	36.5	40/70	SOMT130408	TS 40093I	TD15	○
SO13-3D-37.0-C40	3D	111	209	37	40/70				○
SO13-3D-37.5-C40	3D	112.5	212	37.5	40/70				○
SO13-3D-38.0-C40	3D	114	212	38	40/70				○
SO13-3D-38.5-C40	3D	115.5	215	38.5	40/70				○
SO13-3D-39.0-C40	3D	117	215	39	40/70				○
SO13-3D-39.5-C40	3D	118.5	218	39.5	40/70				○
SO13-3D-40.0-C40	3D	120	218	40	40/70				○
SO13-3D-40.5-C40	3D	121.5	221	40.5	40/70				○
SO13-3D-41.0-C40	3D	123	221	41	40/70				○
SO13-3D-41.5-C40	3D	124.5	224	41.5	40/70				○
SO13-3D-42.0-C40	3D	126	224	42	40/70				○
SO13-3D-42.5-C40	3D	127.5	227	42.5	40/70				○
SO13-3D-43.0-C40	3D	129	227	43	40/70				○
SO15-3D-43.5-C40	3D	130.5	237	43.5	40/70	SOMT150510	TS 50115I	TD20	○
SO15-3D-44.0-C40	3D	132	237	44	40/70				○
SO15-3D-44.5-C40	3D	133.5	240	44.5	40/70				○
SO15-3D-45.0-C40	3D	135	240	45	40/70				○

SO-3

SO-3 Fast driling SO-3



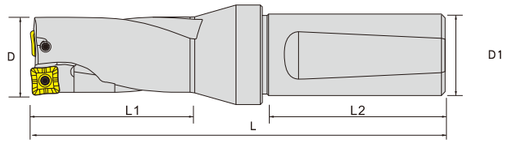


■ SO-3D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 -2				
SO15-3D-45.5-C40	3D	136.5	243	45.5	40/70	SOMT150510	TS 50115I	TD20	○
SO15-3D-46.0-C40	3D	138	243	46	40/70				○
SO15-3D-46.5-C40	3D	139.5	246	46.5	40/70				○
SO15-3D-47.0-C40	3D	141	246	47	40/70				○
SO15-3D-47.5-C40	3D	142.5	249	47.5	40/70	SOMT09T308	TS 35088I	TD10	○
SO15-3D-48.0-C40	3D	144	249	48	40/70				○
SO15-3D-48.5-C40	3D	145.5	252	48.5	40/70				○
SO15-3D-49.0-C40	3D	147	252	49	40/70				○
SO15-3D-49.5-C40	3D	148.5	255	49.5	40/70				○
SO15-3D-50.0-C40	3D	150	255	50	40/70				○

SO-4 Fast driling SO-4



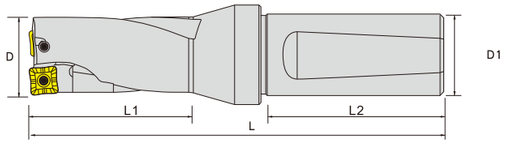


■ SO-4D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 -2				
SO05-4D-14.0-C20	4D	56	124	14.0	20/50	SOMT050204	TS 20043I HG-P	TD 6P	○
SO05-4D-14.5-C20	4D	58	129	14.5	20/50				○
SO05-4D-15.0-C20	4D	60	129	15	20/50				○
SO05-4D-15.5-C20	4D	62	134	15.5	20/50				○
SO05-4D-16.0-C20	4D	64	134	16	20/50				○
SO06-4D-16.5-C25	4D	66	144	16.5	25/56	SOMT060204	TS 22052I HG-P	TD 7P	○
SO06-4D-17.0-C25	4D	68	144	17	25/56				○
SO06-4D-17.5-C25	4D	70	149	17.5	25/56				○
SO06-4D-18.0-C25	4D	72	149	18	25/56				○
SO06-4D-18.5-C25	4D	74	153	18.5	25/56				○
SO06-4D-19.0-C25	4D	76	153	19	25/56				○
SO07-4D-19.5-C25	4D	78	159	19.5	25/56	SOMT070306	TS 22052I HG-P	TD 7P	○
SO07-4D-20.0-C25	4D	80	159	20	25/56				○
SO07-4D-20.5-C25	4D	82	163	20.5	25/56				○
SO07-4D-21.0-C25	4D	84	163	21	25/56				○
SO07-4D-21.5-C25	4D	86	167	21.5	25/56				○
SO07-4D-22.0-C25	4D	88	167	22	25/56				○
SO08-4D-22.5-C25	4D	90	170	22.5	25/56	SOMT08T306	SO25065I	TD 7P	○
SO08-4D-23.0-C25	4D	92	170	23	25/56				○
SO08-4D-23.5-C25	4D	94	174	23.5	25/56				○
SO08-4D-24.0-C25	4D	96	174	24	25/56				○

SO-4 Fast driling SO-4



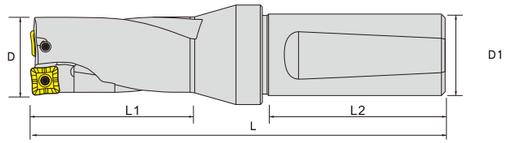


■ SO-4D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
SO08-4D-24.5-C25	4D	98	178	24.5	25/56	WDXT125012	SO 25065I	TD7	○
SO08-4D-25.0-C25	4D	100	178	25	25/56				○
SO08-4D-25.5-C25	4D	102	181	25.5	25/56				○
SO08-4D-26.0-C25	4D	104	181	26	25/56				○
SO09-4D-26.5-C32	4D	106	191	26.5	32/60	SOMT09T308	TS 35088I	TD10	○
SO09-4D-27.0-C32	4D	108	191	27	32/60				○
SO09-4D-27.5-C32	4D	110	195	27.5	32/60				○
SO09-4D-28.0-C32	4D	112	195	28	32/60				○
SO09-4D-28.5-C32	4D	114	199	28.5	32/60				○
SO09-4D-29.0-C32	4D	116	199	29	32/60				○
SO09-4D-29.5-C32	4D	118	203	29.5	32/60				○
SO09-4D-30.0-C32	4D	120	203	30	32/60				○
SO09-4D-30.5-C32	4D	122	207	30.5	32/60				○
SO09-4D-31.0-C32	4D	124	207	31	32/60				○
SO11-4D-31.5-C32	4D	126	211	31.5	32/60	SOMT11T308	TS 35088I	TD10	○
SO11-4D-32.0-C32	4D	128	211	32	32/60				○
SO11-4D-32.5-C32	4D	130	215	32.5	32/60				○
SO11-4D-33.0-C32	4D	132	215	33	32/60				○
SO11-4D-33.5-C32	4D	134	219	33.5	32/60				○
SO11-4D-34.0-C32	4D	136	219	34	32/60				○
SO11-4D-34.5-C32	4D	138	223	34.5	32/60				○

SO-4 Fast driling SO-4





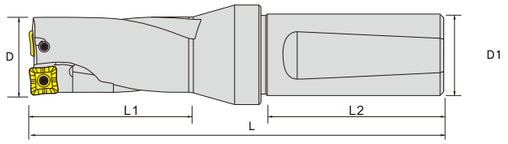
■ SO-4D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
SO11-4D-35.0-C32	4D	140	223	35	32/60	SOMT11T308	TS 35088I	TD10	○
SO11-4D-35.5-C32	4D	142	227	35.5	32/60				○
SO11-4D-36.0-C32	4D	144	227	36	32/60				○
SO13-4D-36.5-C40	4D	146	246	36.5	40/70	SOMT130408	TS 40093I	TD15	○
SO13-4D-37.0-C40	4D	148	246	37	40/70				○
SO13-4D-37.5-C40	4D	150	250	37.5	40/70				○
SO13-4D-38.0-C40	4D	152	250	38	40/70				○
SO13-4D-38.5-C40	4D	154	254	38.5	40/70				○
SO13-4D-39.0-C40	4D	156	254	39	40/70				○
SO13-4D-39.5-C40	4D	158	258	39.5	40/70				○
SO13-4D-40.0-C40	4D	160	258	40	40/70				○
SO13-4D-40.5-C40	4D	162	262	40.5	40/70				○
SO13-4D-41.0-C40	4D	164	262	41	40/70				○
SO13-4D-41.5-C40	4D	166	266	41.5	40/70				○
SO13-4D-42.0-C40	4D	168	266	42	40/70				○
SO13-4D-42.5-C40	4D	170	270	42.5	40/70				○
SO13-4D-43.0-C40	4D	172	270	43	40/70				○
SO15-4D-43.5-C40	4D	174	281	43.5	40/70	SOMT150510	TS 50115I	TD20	○
SO15-4D-44.0-C40	4D	176	281	44	40/70				○
SO15-4D-44.5-C40	4D	178	285	44.5	40/70				○
SO15-4D-45.0-C40	4D	180	285	45	40/70				○

SO-4

SO-4 Fast driling SO-4



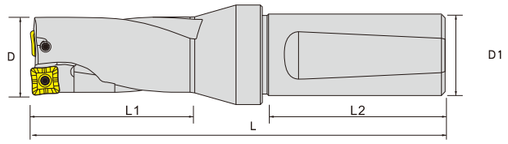


■ SO-4D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
SO15-4D-45.5-C40	4D	182	289	45.5	40/70	SOMT150510	TS 50115I	TD20	○
SO15-4D-46.0-C40	4D	184	289	46	40/70				○
SO15-4D-46.5-C40	4D	186	293	46.5	40/70				○
SO15-4D-47.0-C40	4D	188	293	47	40/70				○
SO15-4D-47.5-C40	4D	190	297	47.5	40/70	SOMT09T308	TS 35088I	TD10	○
SO15-4D-48.0-C40	4D	192	297	48	40/70				○
SO15-4D-48.5-C40	4D	194	301	48.5	40/70				○
SO15-4D-49.0-C40	4D	196	301	49	40/70				○
SO15-4D-49.5-C40	4D	198	305	49.5	40/70				○
SO15-4D-50.0-C40	4D	200	305	50	40/70				○

SO-5 Fast driling SO-5



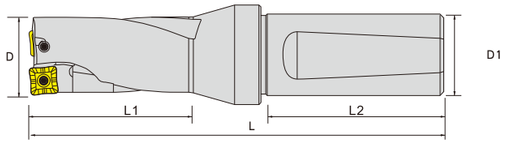


■ SO-5D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
SO05-5D-14.0-C20	5D	70	138	14.0	20/50	SOMT050204	TS 20043I HG-P	TD 6P	○
SO05-5D-14.5-C20	5D	72.5	144	14.5	20/50				○
SO05-5D-15.0-C20	5D	75	144	15	20/50				○
SO05-5D-15.5-C20	5D	77.5	150	15.5	20/50				○
SO05-5D-16.0-C20	5D	80	150	16	20/50				○
SO06-5D-16.5-C25	5D	82.5	161	16.5	25/56	SOMT060204	TS 22052I HG-P	TD 7P	○
SO06-5D-17.0-C25	5D	85	161	17	25/56				○
SO06-5D-17.5-C25	5D	87.5	167	17.5	25/56				○
SO06-5D-18.0-C25	5D	90	167	18	25/56				○
SO06-5D-18.5-C25	5D	92.5	172	18.5	25/56				○
SO06-5D-19.0-C25	5D	95	172	19	25/56				○
SO07-5D-19.5-C25	5D	97.5	179	19.5	25/56	SOMT070306	TS 22052I HG-P	TD 7P	○
SO07-5D-20.0-C25	5D	100	179	20	25/56				○
SO07-5D-20.5-C25	5D	102.5	184	20.5	25/56				○
SO07-5D-21.0-C25	5D	105	184	21	25/56				○
SO07-5D-21.5-C25	5D	107.5	189	21.5	25/56				○
SO07-5D-22.0-C25	5D	110	189	22	25/56				○
SO08-5D-22.5-C25	5D	112.5	193	22.5	25/56	SOMT08T306	SO25065I	TD 7P	○
SO08-5D-23.0-C25	5D	115	193	23	25/56				○
SO08-5D-23.5-C25	5D	117.5	198	23.5	25/56				○
SO08-5D-24.0-C25	5D	120	198	24	25/56				○

SO-5 Fast driling SO-5



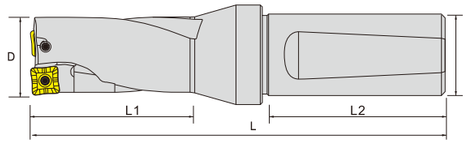


■ SO-5D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
SO08-5D-24.5-C25	5D	122.5	203	24.5	25/56	WDXT125012	SO 25065I	TD7	○
SO08-5D-25.0-C25	5D	125	203	25	25/56				○
SO08-5D-25.5-C25	5D	127.5	207	25.5	25/56				○
SO08-5D-26.0-C25	5D	130	207	26	25/56				○
SO09-5D-26.5-C32	5D	132.5	218	26.5	32/60	SOMT09T308	TS 35088I	TD10	○
SO09-5D-27.0-C32	5D	135	218	27	32/60				○
SO09-5D-27.5-C32	5D	137.5	223	27.5	32/60				○
SO09-5D-28.0-C32	5D	140	223	28	32/60				○
SO09-5D-28.5-C32	5D	142.5	228	28.5	32/60				○
SO09-5D-29.0-C32	5D	145	228	29	32/60				○
SO09-5D-29.5-C32	5D	147.5	233	29.5	32/60				○
SO09-5D-30.0-C32	5D	150	233	30	32/60				○
SO09-5D-30.5-C32	5D	152.5	238	30.5	32/60				○
SO09-5D-31.0-C32	5D	155	238	31	32/60				○
SO11-5D-31.5-C32	5D	157.5	243	31.5	32/60	SOMT11T308	TS 35088I	TD10	○
SO11-5D-32.0-C32	5D	160	243	32	32/60				○
SO11-5D-32.5-C32	5D	162.5	248	32.5	32/60				○
SO11-5D-33.0-C32	5D	165	248	33	32/60				○
SO11-5D-33.5-C32	5D	167.5	253	33.5	32/60				○
SO11-5D-34.0-C32	5D	170	253	34	32/60				○
SO11-5D-34.5-C32	5D	172.5	258	34.5	32/60				○

SO-5 Fast driling SO-5



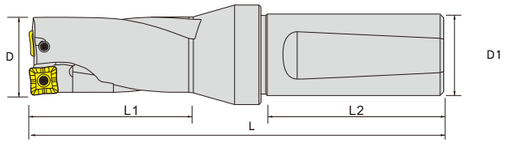


■ SO-5D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
SO11-5D-35.0-C32	5D	175	258	35	32/60	SOMT11T308	TS 35088I	TD10	○
SO11-5D-35.5-C32	5D	177.5	263	35.5	32/60				○
SO11-5D-36.0-C32	5D	180	263	36	32/60				○
SO13-5D-36.5-C40	5D	182.5	283	36.5	40/70	SOMT130408	TS 40093I	TD15	○
SO13-5D-37.0-C40	5D	185	283	37	40/70				○
SO13-5D-37.5-C40	5D	187.5	288	37.5	40/70				○
SO13-5D-38.0-C40	5D	190	288	38	40/70				○
SO13-5D-38.5-C40	5D	192.5	293	38.5	40/70				○
SO13-5D-39.0-C40	5D	195	293	39	40/70				○
SO13-5D-39.5-C40	5D	197.5	298	39.5	40/70				○
SO13-5D-40.0-C40	5D	200	298	40	40/70				○
SO13-5D-40.5-C40	5D	202.5	303	40.5	40/70				○
SO13-5D-41.0-C40	5D	205	303	41	40/70				○
SO13-5D-41.5-C40	5D	207.5	308	41.5	40/70				○
SO13-5D-42.0-C40	5D	210	308	42	40/70				○
SO13-5D-42.5-C40	5D	212.5	313	42.5	40/70				○
SO13-5D-43.0-C40	5D	215	313	43	40/70				○
SO15-5D-43.5-C40	5D	217.5	325	43.5	40/70	SOMT150510	TS 50115I	TD20	○
SO15-5D-44.0-C40	5D	220	325	44	40/70				○
SO15-5D-44.5-C40	5D	222.5	330	44.5	40/70				○
SO15-5D-45.0-C40	5D	225	330	45	40/70				○

SO-5 Fast driling SO-5





■ SO-5D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
SO15-5D-45.5-C40	5D	227.5	335	45.5	40/70	SOMT150510	TS 50115I	TD20	○
SO15-5D-46.0-C40	5D	230	335	46	40/70				○
SO15-5D-46.5-C40	5D	232.5	340	46.5	40/70				○
SO15-5D-47.0-C40	5D	235	340	47	40/70				○
SO15-5D-47.5-C40	5D	237.5	345	47.5	40/70	SOMT09T308	TS 35088I	TD10	○
SO15-5D-48.0-C40	5D	240	345	48	40/70				○
SO15-5D-48.5-C40	5D	242.5	350	48.5	40/70				○
SO15-5D-49.0-C40	5D	245	350	49	40/70				○
SO15-5D-49.5-C40	5D	247.5	355	49.5	40/70				○
SO15-5D-50.0-C40	5D	250	355	50	40/70				○

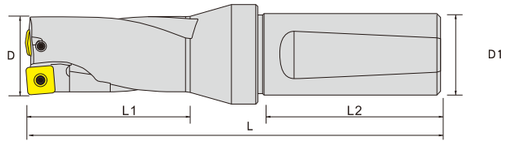
XO times faster drill series

XO



XO-2 Fast driling XO-2





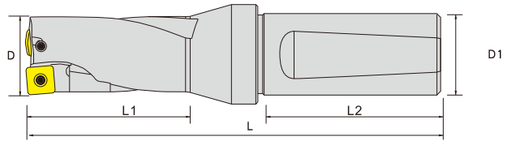
■ XO-2D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
XO04-2D-12.0-C20	2D	24	91	12.0	20/50	SPMT040204 XOMT040204	FTNA 0204	TW06P	○
XO04-2D-12.5-C20	2D	25	91	12.5	20/50				○
XO04-2D-13.0-C20	2D	26	93	13	20/50				○
XO04-2D-13.5-C20	2D	27	93	13.5	20/50				○
XO05-2D-14.0-C25	2D	28	96	14	25/56	SPMT050204 XOMT050204			○
XO05-2D-14.5-C25	2D	29	96	14.5	25/56				○
XO05-2D-15.0-C25	2D	30	99	15	25/56				○
XO05-2D-15.5-C25	2D	31	99	15.5	25/56				○
XO05-2D-16.0-C25	2D	32	101	16	25/56				○
XO06-2D-16.5-C25	2D	33	107	16.5	25/56	SPMT060204 XOMT060204	FTKA 02206S	TW07P	○
XO06-2D-17.0-C25	2D	34	109	17	25/56				○
XO06-2D-17.5-C25	2D	35	109	17.5	25/56				○
XO06-2D-18.0-C25	2D	36	112	18	25/56				○
XO06-2D-18.5-C25	2D	37	112	18.5	25/56				○
XO06-2D-19.0-C25	2D	38	114	19	25/56				○
XO06-2D-19.5-C25	2D	39	114	19.5	25/56				○
XO07-2D-20.0-C25	2D	40	118	20	25/56	SPMT070204 XOMT070204	FTKA 022065	TW07S	○
XO07-2D-20.5-C25	2D	41	118	20.5	25/56				○
XO07-2D-21.0-C25	2D	42	120	21	25/56				○
XO07-2D-21.5-C25	2D	43	120	21.5	25/56				○
XO07-2D-22.0-C25	2D	44	122	22	25/56				○

XO-2

XO-2 Fast driling XO-2



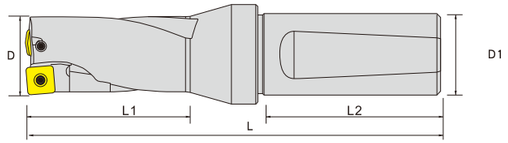


■ XO-2D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
XO07-2D-22.5-C25	2D	45	122	22.5	25/56	SPMT07T208 XOMT07T205	FTKA 02565	TW07S	○
XO07-2D-23.0-C25	2D	46	126	23	25/56				○
XO07-2D-23.5-C25	2D	47	126	23.5	25/56				○
XO09-2D-24.0-C32	2D	48	133	24	32/60	SPMT090204 XOMT090204	FTKA 0307	TW09S	○
XO09-2D-24.5-C32	2D	49	133	24.5	32/60				○
XO09-2D-25.0-C32	2D	50	135	25	32/60				○
XO09-2D-25.5-C32	2D	51	135	25.5	32/60				○
XO09-2D-26.0-C32	2D	52	137	26	32/60				○
XO09-2D-26.5-C32	2D	53	137	26.5	32/60				○
XO09-2D-27.0-C32	2D	54	140	27	32/60				○
XO09-2D-27.5-C32	2D	55	140	27.5	32/60				○
XO09-2D-28.0-C32	2D	56	143	28	32/60				○
XO09-2D-28.5-C32	2D	57	143	28.5	32/60				○
XO09-2D-29.0-C32	2D	58	145	29	32/60				○
XO09-2D-29.5-C32	2D	59	145	29.5	32/60				○
XO11-2D-30.0-C32	2D	60	150	30	32/60	SPMT110204 XOMT110204	FTKA 03508	TW15S	○
XO11-2D-30.5-C32	2D	61	150	30.5	32/60				○
XO11-2D-31.0-C32	2D	62	152	31	32/60				○
XO11-2D-31.5-C32	2D	63	152	31.5	32/60				○
XO11-2D-32.0-C32	2D	64	154	32	32/60				○
XO11-2D-32.5-C32	2D	65	154	32.5	32/60				○

XO-2 Fast driling XO-2



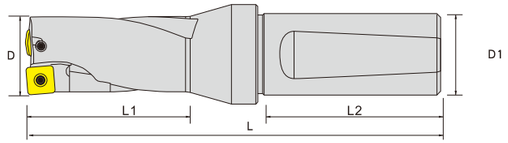


■ XO-2D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
XO11-2D-33.0-C32	2D	66	157	33	32/60	SPMT110204 XOMT110204	FTKA 03508	TW15S	○
XO11-2D-33.5-C32	2D	67	157	33.5	32/60				○
XO11-2D-34.0-C32	2D	68	159	34	32/60				○
XO11-2D-34.5-C32	2D	69	159	34.5	32/60				○
XO11-2D-35.0-C32	2D	70	161	35	32/60				○
XO11-2D-35.5-C32	2D	71	161	35.5	32/60				○
XO13-2D-36.0-C40	2D	72	176	36	40/70	SPMT130410 XOMT130406	FTKA 0410		○
XO13-2D-36.5-C40	2D	73	176	36.5	40/70				○
XO13-2D-37.0-C40	2D	74	178	37	40/70				○
XO13-2D-37.5-C40	2D	75	178	37.5	40/70				○
XO13-2D-38.0-C40	2D	76	181	38	40/70				○
XO13-2D-38.5-C40	2D	77	181	38.5	40/70				○
XO13-2D-39.0-C40	2D	78	183	39	40/70				○
XO13-2D-39.5-C40	2D	79	183	39.5	40/70				○
XO13-2D-40.0-C40	2D	80	186	40	40/70				○
XO13-2D-40.5-C40	2D	81	186	40.5	40/70				○
XO13-2D-41.0-C40	2D	82	188	41	40/70				○
XO13-2D-41.5-C40	2D	83	188	41.5	40/70				○
XO13-2D-42.0-C40	2D	84	191	42	40/70				○
XO13-2D-42.5-C40	2D	85	191	42.5	40/70				○
XO15-2D-43.0-C40	2D	86	196	43	40/70	SPMT150204 XOMT150204	FTNC 04511	TW20S	○

XO-2 Fast driling XO-2



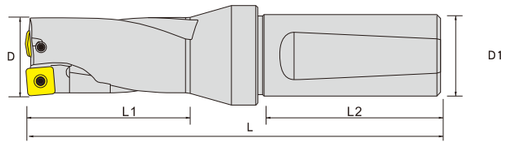


■ XO-2D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
XO15-2D-43.5-C40	2D	87	196	43.5	40/70	SPMT15M510 XOMT15M508	FTNC 04511	TW20S	○
XO15-2D-44.0-C40	2D	88	198	44	40/70				○
XO15-2D-44.5-C40	2D	89	198	44.5	40/70				○
XO15-2D-45.0-C40	2D	90	201	45	40/70				○
XO15-2D-45.5-C40	2D	91	201	45.5	40/70				○
XO15-2D-46.0-C40	2D	92	203	46	40/70				○
XO15-2D-46.5-C40	2D	93	203	46.5	40/70				○
XO15-2D-47.0-C40	2D	94	206	47	40/70				○
XO15-2D-47.5-C40	2D	95	206	47.5	40/70				○
XO15-2D-48.0-C40	2D	96	208	48	40/70				○
XO15-2D-48.5-C40	2D	97	208	48.5	40/70				○
XO15-2D-49.0-C40	2D	98	210	49	40/70				○
XO15-2D-49.5-C40	2D	99	210	49.5	40/70				○
XO15-2D-50.0-C40	2D	100	212	50	40/70				○
XO15-2D-50.5-C40	2D	101	212	50.5	40/70				○
XO18-2D-51.0-C40	2D	102	218	51	40/70	SPMT180210 XOMT180208	FTNA 0511	TW20-100	○
XO18-2D-51.5-C40	2D	103	218	51.5	40/70				○
XO18-2D-52.0-C40	2D	104	220	52	40/70				○
XO18-2D-52.5-C40	2D	105	220	52.5	40/70				○
XO18-2D-53.0-C40	2D	106	222	53	40/70				○
XO18-2D-53.5-C40	2D	107	222	53.5	40/70				○

XO-2 Fast driling XO-2



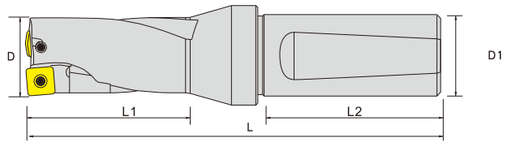


■ XO-2D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
XO18-2D-54.0-C40	2D	108	224	54	40/70	SPMT180210 XOMT180208	FTNA 0511	TW20- 100	○
XO18-2D-54.5-C40	2D	109	224	54.5	40/70				○
XO18-2D-55.0-C40	2D	110	226	55	40/70				○
XO18-2D-55.5-C40	2D	111	226	55.5	40/70				○
XO18-2D-56.0-C40	2D	112	230	56	40/70				○
XO18-2D-56.5-C40	2D	113	230	56.5	40/70				○
XO18-2D-57.0-C40	2D	114	233	57	40/70				○
XO18-2D-57.5-C40	2D	115	233	57.5	40/70				○
XO18-2D-58.0-C40	2D	116	236	58	40/70				○
XO18-2D-58.5-C40	2D	117	236	58.5	40/70				○
XO18-2D-59.0-C40	2D	118	239	59	40/70				○
XO18-2D-59.5-C40	2D	119	239	59.5	40/70				○
XO18-2D-60.0-C40	2D	120	242	60	40/70				○

XO-3 Fast driling XO-3



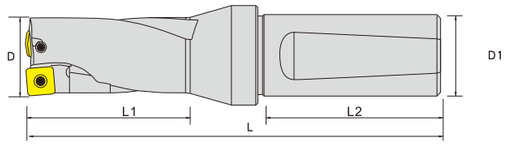


■ XO-3D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
XO04-3D-12.0-C20	3D	36	103	12.0	20/50	SPMT040204 XOMT040204	FTNA 0204	TW06P	○
XO04-3D-12.5-C20	3D	37.5	103	12.5	20/50				○
XO04-3D-13.0-C20	3D	39	106	13	20/50				○
XO04-3D-13.5-C20	3D	40.5	106	13.5	20/50				○
XO05-3D-14.0-C25	3D	42	110	14	25/56	SPMT050204 XOMT050204			○
XO05-3D-14.5-C25	3D	43.5	110	14.5	25/56				○
XO05-3D-15.0-C25	3D	45	114	15	25/56				○
XO05-3D-15.5-C25	3D	46.5	114	15.5	25/56				○
XO05-3D-16.0-C25	3D	48	117	16	25/56				○
XO06-3D-16.5-C25	3D	49.5	123	16.5	25/56	SPMT060204 XOMT060204	FTKA 02206S	TW07P	○
XO06-3D-17.0-C25	3D	51	126	17	25/56				○
XO06-3D-17.5-C25	3D	52.5	126	17.5	25/56				○
XO06-3D-18.0-C25	3D	54	130	18	25/56				○
XO06-3D-18.5-C25	3D	55.5	130	18.5	25/56				○
XO06-3D-19.0-C25	3D	57	133	19	25/56				○
XO06-3D-19.5-C25	3D	58.5	133	19.5	25/56				○
XO07-3D-20.0-C25	3D	60	138	20	25/56	SPMT070204 XOMT070204	FTKA 022065	TW07S	○
XO07-3D-20.5-C25	3D	61.5	138	20.5	25/56				○
XO07-3D-21.0-C25	3D	63	141	21	25/56				○
XO07-3D-21.5-C25	3D	64.5	141	21.5	25/56				○
XO07-3D-22.0-C25	3D	66	144	22	25/56				○

XO-3 Fast driling XO-3



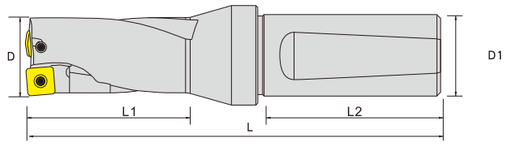


■ XO-3D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
XO07-3D-22.5-C25	3D	67.5	144	22.5	25/56	SPMT07T208 XOMT07T205	FTKA 02565	TW07S	○
XO07-3D-23.0-C25	3D	69	149	23	25/56				○
XO07-3D-23.5-C25	3D	70.5	149	23.5	25/56				○
XO09-3D-24.0-C32	3D	72	157	24	32/60	SPMT090204 XOMT090204	FTKA 0307	TW09S	○
XO09-3D-24.5-C32	3D	73.5	157	24.5	32/60				○
XO09-3D-25.0-C32	3D	75	160	25	32/60				○
XO09-3D-25.5-C32	3D	76.5	160	25.5	32/60				○
XO09-3D-26.0-C32	3D	78	163	26	32/60				○
XO09-3D-26.5-C32	3D	79.5	163	26.5	32/60				○
XO09-3D-27.0-C32	3D	81	167	27	32/60				○
XO09-3D-27.5-C32	3D	82.5	167	27.5	32/60				○
XO09-3D-28.0-C32	3D	84	171	28	32/60				○
XO09-3D-28.5-C32	3D	85.5	171	28.5	32/60				○
XO09-3D-29.0-C32	3D	87	174	29	32/60				○
XO09-3D-29.5-C32	3D	88.5	174	29.5	32/60				○
XO11-3D-30.0-C32	3D	90	180	30	32/60	SPMT110204 XOMT110204	FTKA 03508	TW15S	○
XO11-3D-30.5-C32	3D	91.5	180	30.5	32/60				○
XO11-3D-31.0-C32	3D	93	183	31	32/60				○
XO11-3D-31.5-C32	3D	94.5	183	31.5	32/60				○
XO11-3D-32.0-C32	3D	96	186	32	32/60				○
XO11-3D-32.5-C32	3D	97.5	186	32.5	32/60				○

XO-3 Fast driling XO-3



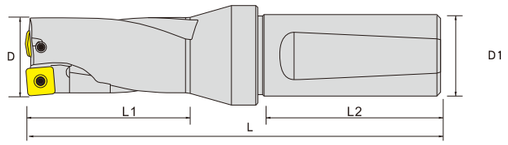


■ XO-3D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
XO11-3D-33.0-C32	3D	99	190	33	32/60	SPMT11T308 XOMT11T306	FTKA 03508	TW15S	○
XO11-3D-33.5-C32	3D	100.5	190	33.5	32/60				○
XO11-3D-34.0-C32	3D	102	193	34	32/60				○
XO11-3D-34.5-C32	3D	103.5	193	34.5	32/60				○
XO11-3D-35.0-C32	3D	105	196	35	32/60				○
XO11-3D-35.5-C32	3D	106.5	196	35.5	32/60				○
XO13-3D-36.0-C40	3D	108	212	36	40/70	SPMT130410 XOMT130406	FTKA 0410		○
XO13-3D-36.5-C40	3D	109.5	212	36.5	40/70				○
XO13-3D-37.0-C40	3D	111	215	37	40/70				○
XO13-3D-37.5-C40	3D	112.5	215	37.5	40/70				○
XO13-3D-38.0-C40	3D	114	219	38	40/70				○
XO13-3D-38.5-C40	3D	115.5	219	38.5	40/70				○
XO13-3D-39.0-C40	3D	117	222	39	40/70				○
XO13-3D-39.5-C40	3D	118.5	222	39.5	40/70				○
XO13-3D-40.0-C40	3D	120	226	40	40/70				○
XO13-3D-40.5-C40	3D	121.5	226	40.5	40/70				○
XO13-3D-41.0-C40	3D	123	229	41	40/70				○
XO13-3D-41.5-C40	3D	124.5	229	41.5	40/70				○
XO13-3D-42.0-C40	3D	126	233	42	40/70				○
XO13-3D-42.5-C40	3D	127.5	233	42.5	40/70				○
XO15-3D-43.0-C40	3D	129	239	43	40/70	SPMT15M510 XOMT15M508	FTNC 04511	TW20S	○

XO-3 Fast driling XO-3



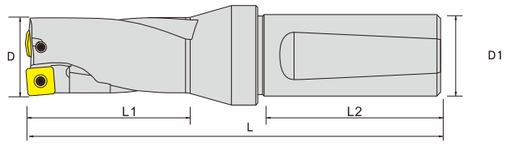


XO-3D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
XO15-3D-43.5-C40	3D	130.5	239	43.5	40/70				○
XO15-3D-44.0-C40	3D	132	242	44	40/70				○
XO15-3D-44.5-C40	3D	133.5	242	44.5	40/70				○
XO15-3D-45.0-C40	3D	135	246	45	40/70				○
XO15-3D-45.5-C40	3D	136.5	246	45.5	40/70				○
XO15-3D-46.0-C40	3D	138	249	46	40/70				○
XO15-3D-46.5-C40	3D	139.5	249	46.5	40/70				○
XO15-3D-47.0-C40	3D	141	253	47	40/70	SPMT15M510 XOMT15M508	FTNC 04511	TW20S	○
XO15-3D-47.5-C40	3D	142.5	253	47.5	40/70				○
XO15-3D-48.0-C40	3D	144	256	48	40/70				○
XO15-3D-48.5-C40	3D	145.5	256	48.5	40/70				○
XO15-3D-49.0-C40	3D	147	259	49	40/70				○
XO15-3D-49.5-C40	3D	148.5	259	49.5	40/70				○
XO15-3D-50.0-C40	3D	150	262	50	40/70				○
XO15-3D-50.5-C40	3D	151.5	262	50.5	40/70				○
XO18-3D-51.0-C40	3D	153	269	51	40/70				○
XO18-3D-51.5-C40	3D	154.5	269	51.5	40/70				○
XO18-3D-52.0-C40	3D	156	272	52	40/70	SPMT180210 XOMT180208	FTNA 0511	TW20-100	○
XO18-3D-52.5-C40	3D	157.5	272	52.5	40/70				○
XO18-3D-53.0-C40	3D	159	275	53	40/70				○
XO18-3D-53.5-C40	3D	160.5	275	53.5	40/70				○

XO-3 Fast driling XO-3



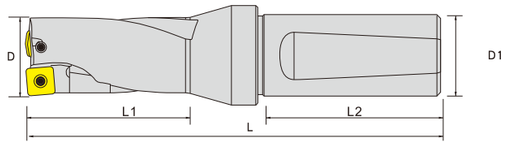


XO-3D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
XO18-3D-54.0-C40	3D	162	278	54	40/70				○
XO18-3D-54.5-C40	3D	163.5	278	54.5	40/70				○
XO18-3D-55.0-C40	3D	165	281	55	40/70				○
XO18-3D-55.5-C40	3D	166.5	281	55.5	40/70				○
XO18-3D-56.0-C40	3D	168	286	56	40/70				○
XO18-3D-56.5-C40	3D	169.5	286	56.5	40/70				○
XO18-3D-57.0-C40	3D	171	290	57	40/70	SPMT180210 XOMT180208	FTNA 0511	TW20-100	○
XO18-3D-57.5-C40	3D	172.5	290	57.5	40/70				○
XO18-3D-58.0-C40	3D	174	294	58	40/70				○
XO18-3D-58.5-C40	3D	175.5	294	58.5	40/70				○
XO18-3D-59.0-C40	3D	177	298	59	40/70				○
XO18-3D-59.5-C40	3D	178.5	298	59.5	40/70				○
XO18-3D-60.0-C40	3D	180	302	60	40/70				○

XO-4 Fast driling XO-4



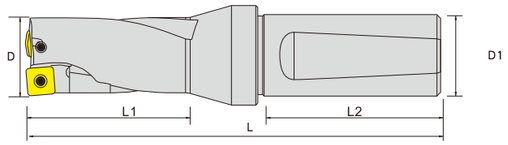


■ XO-4D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
XO04-4D-12.0-C20	4D	48	115	12.0	20/50	SPMT040204 XOMT040204	FTNA 0204	TW06P	○
XO04-4D-12.5-C20	4D	50	115	12.5	20/50				○
XO04-4D-13.0-C20	4D	52	119	13	20/50				○
XO04-4D-13.5-C20	4D	54	119	13.5	20/50				○
XO05-4D-14.0-C25	4D	56	124	14	25/56	SPMT050204 XOMT050204			○
XO05-4D-14.5-C25	4D	58	124	14.5	25/56				○
XO05-4D-15.0-C25	4D	60	129	15	25/56				○
XO05-4D-15.5-C25	4D	62	129	15.5	25/56				○
XO05-4D-16.0-C25	4D	64	133	16	25/56				○
XO06-4D-16.5-C25	4D	66	139	16.5	25/56	SPMT060204 XOMT060204	FTKA 02206S	TW07P	○
XO06-4D-17.0-C25	4D	68	143	17	25/56				○
XO06-4D-17.5-C25	4D	70	143	17.5	25/56				○
XO06-4D-18.0-C25	4D	72	148	18	25/56				○
XO06-4D-18.5-C25	4D	74	148	18.5	25/56				○
XO06-4D-19.0-C25	4D	76	152	19	25/56				○
XO06-4D-19.5-C25	4D	78	152	19.5	25/56				○
XO07-4D-20.0-C25	4D	80	158	20	25/56	SPMT070204 XOMT070204	FTKA 022065	TW07S	○
XO07-4D-20.5-C25	4D	82	158	20.5	25/56				○
XO07-4D-21.0-C25	4D	84	162	21	25/56				○
XO07-4D-21.5-C25	4D	86	162	21.5	25/56				○
XO07-4D-22.0-C25	4D	88	166	22	25/56				○

XO-4 Fast driling XO-4





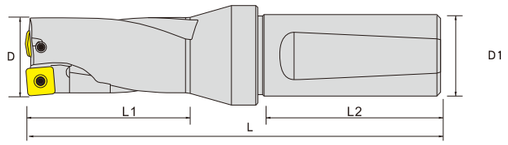
■ XO-4D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
XO07-4D-22.5-C25	4D	90	166	22.5	25/56	SPMT07T208 XOMT07T205	FTKA 02565	TW07S	○
XO07-4D-23.0-C25	4D	92	172	23	25/56				○
XO07-4D-23.5-C25	4D	94	172	23.5	25/56				○
XO09-4D-24.0-C32	4D	96	181	24	32/60	SPMT090204 XOMT090204	FTKA 0307	TW09S	○
XO09-4D-24.5-C32	4D	98	181	24.5	32/60				○
XO09-4D-25.0-C32	4D	100	185	25	32/60				○
XO09-4D-25.5-C32	4D	102	185	25.5	32/60				○
XO09-4D-26.0-C32	4D	104	189	26	32/60				○
XO09-4D-26.5-C32	4D	106	189	26.5	32/60				○
XO09-4D-27.0-C32	4D	108	194	27	32/60				○
XO09-4D-27.5-C32	4D	110	194	27.5	32/60				○
XO09-4D-28.0-C32	4D	112	199	28	32/60				○
XO09-4D-28.5-C32	4D	114	199	28.5	32/60				○
XO09-4D-29.0-C32	4D	116	203	29	32/60				○
XO09-4D-29.5-C32	4D	118	203	29.5	32/60				○
XO11-4D-30.0-C32	4D	120	210	30	32/60	SPMT110204 XOMT110204	FTKA 03508	TW15S	○
XO11-4D-30.5-C32	4D	122	210	30.5	32/60				○
XO11-4D-31.0-C32	4D	124	214	31	32/60				○
XO11-4D-31.5-C32	4D	126	214	31.5	32/60				○
XO11-4D-32.0-C32	4D	128	218	32	32/60				○
XO11-4D-32.5-C32	4D	130	218	32.5	32/60				○

XO-4

XO-4 Fast driling XO-4



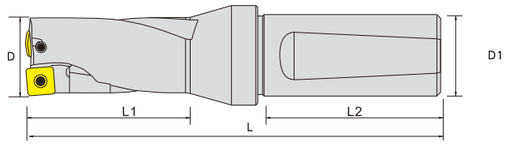


■ XO-4D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
XO11-4D-33.0-C32	4D	132	223	33	32/60	SPMT110208 XOMT110206	FTKA 03508	TW15S	○
XO11-4D-33.5-C32	4D	134	223	33.5	32/60				○
XO11-4D-34.0-C32	4D	136	227	34	32/60				○
XO11-4D-34.5-C32	4D	138	227	34.5	32/60				○
XO11-4D-35.0-C32	4D	140	231	35	32/60				○
XO11-4D-35.5-C32	4D	142	231	35.5	32/60				○
XO13-4D-36.0-C40	4D	144	248	36	40/70				○
XO13-4D-36.5-C40	4D	146	248	36.5	40/70				○
XO13-4D-37.0-C40	4D	148	252	37	40/70				○
XO13-4D-37.5-C40	4D	150	252	37.5	40/70				○
XO13-4D-38.0-C40	4D	152	257	38	40/70				○
XO13-4D-38.5-C40	4D	154	257	38.5	40/70				○
XO13-4D-39.0-C40	4D	156	261	39	40/70	SPMT130410 XOMT130406	FTKA 0410		○
XO13-4D-39.5-C40	4D	158	261	39.5	40/70				○
XO13-4D-40.0-C40	4D	160	266	40	40/70				○
XO13-4D-40.5-C40	4D	162	266	40.5	40/70				○
XO13-4D-41.0-C40	4D	164	270	41	40/70				○
XO13-4D-41.5-C40	4D	166	270	41.5	40/70				○
XO13-4D-42.0-C40	4D	168	275	42	40/70				○
XO13-4D-42.5-C40	4D	170	275	42.5	40/70				○
XO15-4D-43.0-C40	4D	172	282	43	40/70	SPMT15M510 XOMT15M508	FTNC 04511	TW20S	○

XO-4 Fast driling XO-4





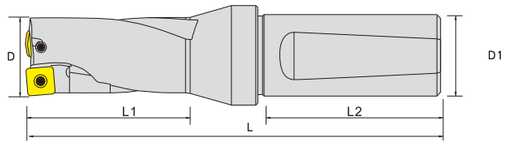
■ XO-4D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
XO15-4D-43.5-C40	4D	174	282	43.5	40/70	SPMT15M510 XOMT15M508	FTNC 04511	TW20S	○
XO15-4D-44.0-C40	4D	176	286	44	40/70				○
XO15-4D-44.5-C40	4D	178	286	44.5	40/70				○
XO15-4D-45.0-C40	4D	180	291	45	40/70				○
XO15-4D-45.5-C40	4D	182	291	45.5	40/70				○
XO15-4D-46.0-C40	4D	184	295	46	40/70				○
XO15-4D-46.5-C40	4D	186	295	46.5	40/70				○
XO15-4D-47.0-C40	4D	188	300	47	40/70				○
XO15-4D-47.5-C40	4D	190	300	47.5	40/70				○
XO15-4D-48.0-C40	4D	192	304	48	40/70				○
XO15-4D-48.5-C40	4D	194	304	48.5	40/70				○
XO15-4D-49.0-C40	4D	196	308	49	40/70				○
XO15-4D-49.5-C40	4D	198	308	49.5	40/70				○
XO15-4D-50.0-C40	4D	200	312	50	40/70				○
XO15-4D-50.5-C40	4D	202	312	50.5	40/70				○
XO18-4D-51.0-C40	4D	204	320	51	40/70	SPMT180210 XOMT180208	FTNA 0511	TW20-100	○
XO18-4D-51.5-C40	4D	206	320	51.5	40/70				○
XO18-4D-52.0-C40	4D	208	324	52	40/70				○
XO18-4D-52.5-C40	4D	210	324	52.5	40/70				○
XO18-4D-53.0-C40	4D	212	328	53	40/70				○
XO18-4D-53.5-C40	4D	214	328	53.5	40/70				○

XO-4

XO-4 Fast driling XO-4



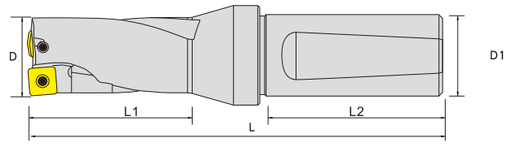


■ XO-4D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
XO18-4D-54.0-C40	4D	216	332	54	40/70	SPMT180210 XOMT180208	FTNA 0511	TW20-100	○
XO18-4D-54.5-C40	4D	218	332	54.5	40/70				○
XO18-4D-55.0-C40	4D	220	336	55	40/70				○
XO18-4D-55.5-C40	4D	222	336	55.5	40/70				○
XO18-4D-56.0-C40	4D	224	342	56	40/70				○
XO18-4D-56.5-C40	4D	226	342	56.5	40/70				○
XO18-4D-57.0-C40	4D	228	347	57	40/70				○
XO18-4D-57.5-C40	4D	230	347	57.5	40/70				○
XO18-4D-58.0-C40	4D	232	352	58	40/70				○
XO18-4D-58.5-C40	4D	234	352	58.5	40/70				○
XO18-4D-59.0-C40	4D	236	357	59	40/70				○
XO18-4D-59.5-C40	4D	238	357	59.5	40/70				○
XO18-4D-60.0-C40	4D	240	362	60	40/70				○

XO-5 Fast driling XO-5



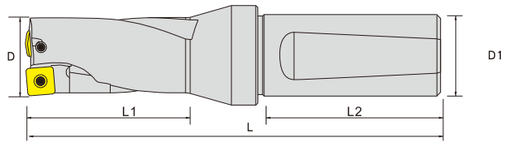


■ XO-5D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
XO04-5D-12.0-C20	5D	60	127	12.0	20/50	SPMT040204 XOMT040204	FTNA 0204	TW06P	○
XO04-5D-12.5-C20	5D	62.5	127	12.5	20/50				○
XO04-5D-13.0-C20	5D	65	132	13	20/50				○
XO04-5D-13.5-C20	5D	67.5	132	13.5	20/50				○
XO05-5D-14.0-C25	5D	70	138	14	25/56	SPMT050204 XOMT050204			○
XO05-5D-14.5-C25	5D	72.5	138	14.5	25/56				○
XO05-5D-15.0-C25	5D	75	144	15	25/56				○
XO05-5D-15.5-C25	5D	77.5	144	15.5	25/56				○
XO05-5D-16.0-C25	5D	80	149	16	25/56				○
XO06-5D-16.5-C25	5D	82.5	155	16.5	25/56	SPMT060204 XOMT060204	FTKA 02206S	TW07P	○
XO06-5D-17.0-C25	5D	85	160	17	25/56				○
XO06-5D-17.5-C25	5D	87.5	160	17.5	25/56				○
XO06-5D-18.0-C25	5D	90	166	18	25/56				○
XO06-5D-18.5-C25	5D	92.5	166	18.5	25/56				○
XO06-5D-19.0-C25	5D	95	171	19	25/56				○
XO06-5D-19.5-C25	5D	97.5	171	19.5	25/56				○
XO07-5D-20.0-C25	5D	100	178	20	25/56	SPMT070204 XOMT070204	FTKA 02565	TW07S	○
XO07-5D-20.5-C25	5D	102.5	178	20.5	25/56				○
XO07-5D-21.0-C25	5D	105	183	21	25/56				○
XO07-5D-21.5-C25	5D	107.5	183	21.5	25/56				○
XO07-5D-22.0-C25	5D	110	188	22	25/56				○

XO-5 Fast driling XO-5



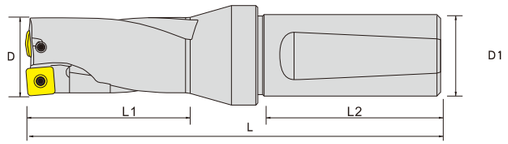


■ XO-5D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
XO07-5D-22.5-C25	5D	112.5	188	22.5	25/56	SPMT07T208 XOMT07T205	FTKA 02565	TW07S	○
XO07-5D-23.0-C25	5D	115	195	23	25/56				○
XO07-5D-23.5-C25	5D	117.5	195	23.5	25/56				○
XO09-5D-24.0-C32	5D	120	205	24	32/60	SPMT090308 XOMT090308	FTKA 0307	TW09S	○
XO09-5D-24.5-C32	5D	122.5	205	24.5	32/60				○
XO09-5D-25.0-C32	5D	125	210	25	32/60				○
XO09-5D-25.5-C32	5D	127.5	210	25.5	32/60				○
XO09-5D-26.0-C32	5D	130	215	26	32/60				○
XO09-5D-26.5-C32	5D	132.5	215	26.5	32/60				○
XO09-5D-27.0-C32	5D	135	221	27	32/60				○
XO09-5D-27.5-C32	5D	137.5	221	27.5	32/60				○
XO09-5D-28.0-C32	5D	140	227	28	32/60				○
XO09-5D-28.5-C32	5D	142.5	227	28.5	32/60				○
XO09-5D-29.0-C32	5D	145	232	29	32/60				○
XO09-5D-29.5-C32	5D	147.5	232	29.5	32/60				○
XO11-5D-30.0-C32	5D	150	240	30	32/60	SPMT11T308 XOMT11T306	FTKA 03508	TW15S	○
XO11-5D-30.5-C32	5D	152.5	240	30.5	32/60				○
XO11-5D-31.0-C32	5D	155	245	31	32/60				○
XO11-5D-31.5-C32	5D	157.5	245	31.5	32/60				○
XO11-5D-32.0-C32	5D	160	250	32	32/60				○
XO11-5D-32.5-C32	5D	162.5	250	32.5	32/60				○

XO-5 Fast driling XO-5



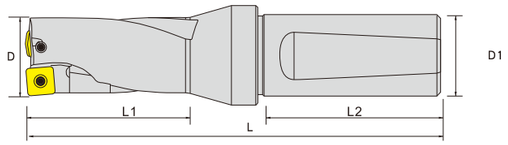


■ XO-5D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
XO11-5D-33.0-C32	5D	165	256	33	32/60	SPMT110208 XOMT110206	FTKA 03508	TW15S	○
XO11-5D-33.5-C32	5D	167.5	256	33.5	32/60				○
XO11-5D-34.0-C32	5D	170	261	34	32/60				○
XO11-5D-34.5-C32	5D	172.5	261	34.5	32/60				○
XO11-5D-35.0-C32	5D	175	266	35	32/60				○
XO11-5D-35.5-C32	5D	177.5	266	35.5	32/60				○
XO13-5D-36.0-C40	5D	180	284	36	40/70	SPMT130410 XOMT130406	FTKA 0410		○
XO13-5D-36.5-C40	5D	182.5	284	36.5	40/70				○
XO13-5D-37.0-C40	5D	185	289	37	40/70				○
XO13-5D-37.5-C40	5D	187.5	289	37.5	40/70				○
XO13-5D-38.0-C40	5D	190	295	38	40/70				○
XO13-5D-38.5-C40	5D	192.5	295	38.5	40/70				○
XO13-5D-39.0-C40	5D	195	300	39	40/70				○
XO13-5D-39.5-C40	5D	197.5	300	39.5	40/70				○
XO13-5D-40.0-C40	5D	200	306	40	40/70				○
XO13-5D-40.5-C40	5D	202.5	306	40.5	40/70				○
XO13-5D-41.0-C40	5D	205	311	41	40/70				○
XO13-5D-41.5-C40	5D	207.5	311	41.5	40/70				○
XO13-5D-42.0-C40	5D	210	317	42	40/70				○
XO13-5D-42.5-C40	5D	212.5	317	42.5	40/70				○
XO15-5D-43.0-C40	5D	215	325	43	40/70	SPMT15M510 XOMT15M508	FTNC 04511	TW20S	○

XO-5 Fast driling XO-5



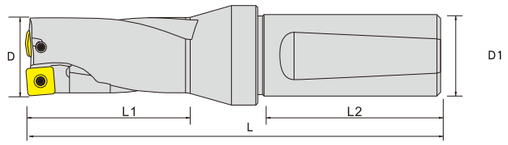


■ XO-5D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
XO15-5D-43.5-C40	5D	217.5	325	43.5	40/70				○
XO15-5D-44.0-C40	5D	220	330	44	40/70				○
XO15-5D-44.5-C40	5D	222.5	330	44.5	40/70				○
XO15-5D-45.0-C40	5D	225	336	45	40/70				○
XO15-5D-45.5-C40	5D	227.5	336	45.5	40/70				○
XO15-5D-46.0-C40	5D	230	341	46	40/70				○
XO15-5D-46.5-C40	5D	232.5	341	46.5	40/70				○
XO15-5D-47.0-C40	5D	235	347	47	40/70	SPMT15M510 XOMT15M508	FTNC 04511	TW20S	○
XO15-5D-47.5-C40	5D	237.5	347	47.5	40/70				○
XO15-5D-48.0-C40	5D	240	352	48	40/70				○
XO15-5D-48.5-C40	5D	242.5	352	48.5	40/70				○
XO15-5D-49.0-C40	5D	245	357	49	40/70				○
XO15-5D-49.5-C40	5D	247.5	357	49.5	40/70				○
XO15-5D-50.0-C40	5D	250	362	50	40/70				○
XO15-5D-50.5-C40	5D	252.5	362	50.5	40/70				○
XO18-5D-51.0-C40	5D	255	371	51	40/70				○
XO18-5D-51.5-C40	5D	257.5	371	51.5	40/70				○
XO18-5D-52.0-C40	5D	260	376	52	40/70	SPMT180210 XOMT180208	FTNA 0511	TW20-100	○
XO18-5D-52.5-C40	5D	262.5	376	52.5	40/70				○
XO18-5D-53.0-C40	5D	265	381	53	40/70				○
XO18-5D-53.5-C40	5D	267.5	381	53.5	40/70				○

XO-5 Fast driling XO-5





■ XO-5D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench	Stock
	(DL)	(L1)	(L)	(D)	D1 L2				
XO18-5D-54.0-C40	5D	270	386	54	40/70				○
XO18-5D-54.5-C40	5D	272.5	386	54.5	40/70				○
XO18-5D-55.0-C40	5D	275	391	55	40/70				○
XO18-5D-55.5-C40	5D	277.5	391	55.5	40/70				○
XO18-5D-56.0-C40	5D	280	398	56	40/70				○
XO18-5D-56.5-C40	5D	282.5	398	56.5	40/70				○
XO18-5D-57.0-C40	5D	285	404	57	40/70	SPMT180210 XOMT180208	FTNA 0511	TW20-100	○
XO18-5D-57.5-C40	5D	287.5	404	57.5	40/70				○
XO18-5D-58.0-C40	5D	290	410	58	40/70				○
XO18-5D-58.5-C40	5D	292.5	410	58.5	40/70				○
XO18-5D-59.0-C40	5D	295	416	59	40/70				○
XO18-5D-59.5-C40	5D	297.5	416	59.5	40/70				○
XO18-5D-60.0-C40	5D	300	422	60	40/70				○

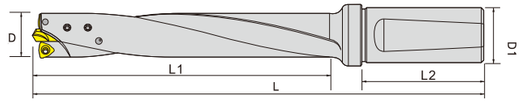
HWC Fixed Point fast drilling

HWC



HWC-6D Fast driling HWC-6D



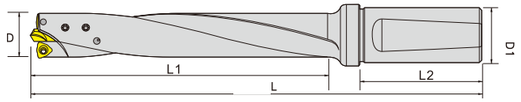


■ HWC-6D Fast driling

Model No.	(Size and shape) (DL)	(L1)	(L)	(D)	(D1) (L2)	Insert	Screw	Wrench				Stock
HWC03-6D-21.0-C25	6D	126	200	21.0	25/55	WCMX030208	M2.5*6L	T8	PLD-V0630 TiN-H	M4*8L	H2.0	●
HWC03-6D-21.5-C25	6D	129	203	21.5	25/55							●
HWC03-6D-22.0-C25	6D	132	206	22.0	25/55							●
HWC03-6D-22.5-C25	6D	135	209	22.5	25/55							●
HWC03-6D-23.0-C25	6D	138	212	23.0	25/55							●
HWC03-6D-23.5-C25	6D	141	215	23.5	25/55							●
HWC03-6D-24.0-C25	6D	144	218	24.0	25/55							●
HWC03-6D-24.5-C25	6D	147	221	24.5	25/55							●
HWC03-6D-25.0-C32	6D	150	231	25.0	32/59							●
HWC03-6D-25.5-C32	6D	153	234	25.5	32/59							●
HWC04-6D-26.0-C32	6D	156	237	26.0	32/59	WCMX040208				M4*10L		●
HWC04-6D-26.5-C32	6D	159	240	26.5	32/59							●
HWC04-6D-27.0-C32	6D	162	243	27.0	32/59							●
HWC04-6D-27.5-C32	6D	165	246	27.5	32/59							●
HWC04-6D-28.0-C32	6D	168	249	28.0	32/59							●
HWC04-6D-28.5-C32	6D	171	252	28.5	32/59							●
HWC04-6D-29.0-C32	6D	174	255	29.0	32/59					M4*12L		●
HWC04-6D-29.5-C32	6D	177	258	29.5	32/59							●
HWC04-6D-30.0-C32	6D	180	261	30.0	32/59							●
HWC04-6D-30.5-C32	6D	183	264	30.5	32/59							●
HWC04-6D-31.0-C32	6D	186	267	31.0	32/59							●
HWC04-6D-31.5-C32	6D	189	270	31.5	32/59							●
HWC05-6D-32.0-C32	6D	192	273	32.0	32/59	WCMX050208	M3.0*8L	T8	PLD-V0835 TiN-H	M5*12L	H2.5	●
HWC05-6D-32.5-C32	6D	195	276	32.5	32/59							●
HWC05-6D-33.0-C32	6D	198	279	33.0	32/59							●
HWC05-6D-33.5-C32	6D	201	282	33.5	32/59							●
HWC05-6D-34.0-C32	6D	204	285	34.0	32/59							●
HWC05-6D-34.5-C32	6D	207	288	34.5	32/59							●
HWC05-6D-35.0-C32	6D	210	291	35.0	32/59							●
HWC05-6D-35.5-C32	6D	213	294	35.5	32/59							●
HWC05-6D-36.0-C32	6D	216	297	36.0	32/59							●

HWC-6D Fast driling HWC-6D



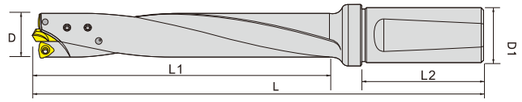


■ HWC-6D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench				Stock
	(DL)	(L1)	(L)	(D)	(D1) (L2)							
HWC05-6D-36.5-C32	6D	219	300	36.5	32/59	WCMX050308	M3.0*8L	T8	PLD-V0835 TiN-H	M5*12L	H2.5	●
HWC05-6D-37.0-C32	6D	222	303	37.0	32/59							●
HWC05-6D-37.5-C32	6D	225	306	37.5	32/59							●
HWC05-6D-38.0-C32	6D	228	309	38.0	32/59							●
HWC05-6D-38.5-C32	6D	231	312	38.5	32/59							●
HWC05-6D-39.0-C32	6D	234	315	39.0	32/59					M5*15L		●
HWC05-6D-39.5-C32	6D	237	318	39.5	32/59							●
HWC05-6D-40.0-C32	6D	240	321	40.0	32/59							●
HWC05-6D-40.5-C32	6D	243	324	40.5	32/59							●
HWC06-6D-41.0-C40	6D	246	334	41.0	40/60	WCMT06T308	M3.5*10L	T15	PLD-V1035 TiN-H	M6*15L	H3.0	●
HWC06-6D-41.5-C40	6D	249	337	41.5	40/60							●
HWC06-6D-42.0-C40	6D	252	340	42.0	40/60							●
HWC06-6D-42.5-C40	6D	255	343	42.5	40/60							●
HWC06-6D-43.0-C40	6D	258	346	43.0	40/60							●
HWC06-6D-43.5-C40	6D	261	349	43.5	40/60							●
HWC06-6D-44.0-C40	6D	264	352	44.0	40/60							●
HWC06-6D-44.5-C40	6D	267	355	44.5	40/60							●
HWC06-6D-45.0-C40	6D	270	358	45.0	40/60							●
HWC06-6D-45.5-C40	6D	273	361	45.5	40/60							●

HWC-8D Fast driling HWC-8D



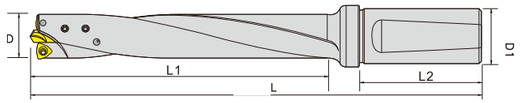


■ HWC-8D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench				Stock
	(DL)	(L1)	(L)	(D)	(D1) (L2)							
HWC03-8D-21.0-C25	8D	168	242	21.0	25/55	WCMX030208	M2.5*6L	T8	PLD-V0630 TiN-H	M4*8L	H2.0	●
HWC03-8D-21.5-C25	8D	172	246	21.5	25/55							●
HWC03-8D-22.0-C25	8D	176	250	22.0	25/55							●
HWC03-8D-22.5-C25	8D	180	254	22.5	25/55							●
HWC03-8D-23.0-C25	8D	184	258	23.0	25/55							●
HWC03-8D-23.5-C25	8D	188	262	23.5	25/55							●
HWC03-8D-24.0-C25	8D	192	266	24.0	25/55							●
HWC03-8D-24.5-C25	8D	196	270	24.5	25/55							●
HWC03-8D-25.0-C32	8D	200	281	25.0	32/59							●
HWC03-8D-25.5-C32	8D	204	285	25.5	32/59							●
HWC04-8D-26.0-C32	8D	208	289	26.0	32/59	WCMX040208				M4*10L		●
HWC04-8D-26.5-C32	8D	212	293	26.5	32/59							●
HWC04-8D-27.0-C32	8D	216	297	27.0	32/59							●
HWC04-8D-27.5-C32	8D	220	301	27.5	32/59							●
HWC04-8D-28.0-C32	8D	224	305	28.0	32/59							●
HWC04-8D-28.5-C32	8D	228	309	28.5	32/59							●
HWC04-8D-29.0-C32	8D	232	313	29.0	32/59					M4*12L		●
HWC04-8D-29.5-C32	8D	236	317	29.5	32/59							●
HWC04-8D-30.0-C32	8D	240	321	30.0	32/59							●
HWC04-8D-30.5-C32	8D	244	325	30.5	32/59							●
HWC04-8D-31.0-C32	8D	248	329	31.0	32/59							●
HWC04-8D-31.5-C32	8D	252	333	31.5	32/59							●
HWC05-8D-32.0-C32	8D	256	337	32.0	32/59	WCMX050208	M3.0*8L	T8	PLD-V0835 TiN-H	M5*12L	H2.5	●
HWC05-8D-32.5-C32	8D	260	341	32.5	32/59							●
HWC05-8D-33.0-C32	8D	264	345	33.0	32/59							●
HWC05-8D-33.5-C32	8D	268	349	33.5	32/59							●
HWC05-8D-34.0-C32	8D	272	353	34.0	32/59							●
HWC05-8D-34.5-C32	8D	276	357	34.5	32/59							●
HWC05-8D-35.0-C32	8D	280	361	35.0	32/59							●
HWC05-8D-35.5-C32	8D	284	365	35.5	32/59							●
HWC05-8D-36.0-C32	8D	288	369	36.0	32/59							●

HWC-8D Fast driling HWC-8D





■ HWC-8D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench				Stock
	(DL)	(L1)	(L)	(D)	(D1) (L2)							
HWC05-8D-36.5-C32	8D	292	373	36.5	32/59	WCMX050308	M3.0*8L	T8	PLD-V0835 TiN-H	M5*12L	H2.5	●
HWC05-8D-37.0-C32	8D	296	377	37.0	32/59							●
HWC05-8D-37.5-C32	8D	300	381	37.5	32/59							●
HWC05-8D-38.0-C32	8D	304	385	38.0	32/59							●
HWC05-8D-38.5-C32	8D	308	389	38.5	32/59							●
HWC05-8D-39.0-C32	8D	312	393	39.0	32/59					M5*15L		●
HWC05-8D-39.5-C32	8D	316	397	39.5	32/59							●
HWC05-8D-40.0-C32	8D	320	401	40.0	32/59							●
HWC05-8D-40.5-C32	8D	324	405	40.5	32/59							●
HWC06-8D-41.0-C40	8D	328	416	41.0	40/60	WCMT06T308	M3.5*10L	T15	PLD-V1035 TiN-H	M6*15L	H3.0	●
HWC06-8D-41.5-C40	8D	332	420	41.5	40/60							●
HWC06-8D-42.0-C40	8D	336	424	42.0	40/60							●
HWC06-8D-42.5-C40	8D	340	428	42.5	40/60							●
HWC06-8D-43.0-C40	8D	344	432	43.0	40/60							●
HWC06-8D-43.5-C40	8D	348	436	43.5	40/60							●
HWC06-8D-44.0-C40	8D	352	440	44.0	40/60							●
HWC06-8D-44.5-C40	8D	356	444	44.5	40/60							●
HWC06-8D-45.0-C40	8D	360	448	45.0	40/60							●
HWC06-8D-45.5-C40	8D	364	452	42.5	40/60							●

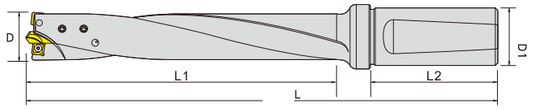
HSP Fixed Point fast drilling

HSP



HSP-6D Fast driling HSP-6D



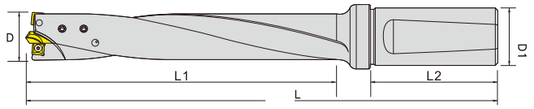


■ HSP-6D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench				Stock
	(DL)	(L1)	(L)	(D)	(D1) (L2)							
HSP04-6D-18.0-C25	6D	108	182	18.0	25/55	SPMG040202	M1.8*4L	T6		M4*6L		○
HSP04-6D-18.5-C25	6D	111	185	18.5	25/55							○
HSP04-6D-19.0-C25	6D	114	188	19.0	25/55							○
HSP04-6D-19.5-C25	6D	117	191	19.5	25/55							○
HSP05-6D-20.0-C25	6D	120	194	20.0	25/55	SPMG050204	M2.2*5.5L					○
HSP05-6D-20.5-C25	6D	123	197	20.5	25/55							○
HSP05-6D-21.0-C25	6D	126	200	21.0	25/55							○
HSP05-6D-21.5-C25	6D	129	203	21.5	25/55							○
HSP06-6D-22.0-C25	6D	132	206	22.0	25/55	SPMG060204	M2.5*6L		PLD-V0630 TiN-H	M4*8L	H2.0	○
HSP06-6D-22.5-C25	6D	135	209	22.5	25/55							○
HSP06-6D-23.0-C25	6D	138	212	23.0	25/55							○
HSP06-6D-23.5-C25	6D	141	215	23.5	25/55							○
HSP06-6D-24.0-C25	6D	144	218	24.0	25/55							○
HSP06-6D-24.5-C25	6D	147	221	24.5	25/55							○
HSP07-6D-25.0-C32	6D	150	231	25.0	32/59	SPMG07T308	M3.0*8L	T8				○
HSP07-6D-25.5-C32	6D	153	234	25.5	32/59							○
HSP07-6D-26.0-C32	6D	156	237	26.0	32/59					M4*10L		○
HSP07-6D-26.5-C32	6D	159	240	26.5	32/59							○
HSP07-6D-27.0-C32	6D	162	243	27.0	32/59							○
HSP07-6D-27.5-C32	6D	165	246	27.5	32/59							○
HSP07-6D-28.0-C32	6D	168	249	28.0	32/59							○
HSP07-6D-28.5-C32	6D	171	252	28.5	32/59							○
HSP07-6D-29.0-C32	6D	174	255	29.0	32/59				PLD-V0835 TiN-H	M5*10L	H2.5	○
HSP07-6D-29.5-C32	6D	177	258	29.5	32/59							○
HSP07-6D-30.0-C32	6D	180	261	30.0	32/59							○
HSP07-6D-30.5-C32	6D	183	264	30.5	32/59							○
HSP07-6D-31.0-C32	6D	186	267	31.0	32/59							○
HSP07-6D-31.5-C32	6D	189	270	31.5	32/59							○
HSP07-6D-32.0-C32	6D	192	273	32.0	32/59					M5*12L		○
HSP07-6D-32.5-C32	6D	195	276	32.5	32/59							○
HSP07-6D-33.0-C32	6D	198	279	33.0	32/59							○

HSP-6D Fast driling HSP-6D



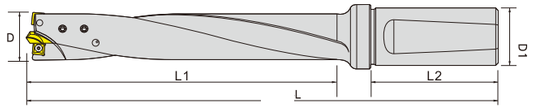


■ HSP-6D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench				Stock
	(DL)	(L1)	(L)	(D)	(D1) (L2)							
HSP07-6D-33.5-C32	6D	201	282	33.5	32/59	SPMG07T308	M2.5*7L	T8		M5*12L		○
HSP07-6D-34.0-C32	6D	204	285	34.0	32/59							○
HSP07-6D-34.5-C32	6D	207	288	34.5	32/59							○
HSP07-6D-35.0-C32	6D	210	291	35.0	32/59							○
HSP07-6D-35.5-C32	6D	213	294	35.5	32/59							○
HSP09-6D-36.0-C32	6D	216	297	36.0	32/59	SPMG07T308	M3.0*8L	T15	PLD-V0835 TiN-H	M5*15L	H2.5	○
HSP09-6D-36.5-C32	6D	219	300	36.5	32/59							○
HSP09-6D-37.0-C32	6D	222	303	37.0	32/59							○
HSP09-6D-37.5-C32	6D	225	306	37.5	32/59							○
HSP09-6D-38.0-C32	6D	228	309	38.0	32/59							○
HSP09-6D-38.5-C32	6D	231	312	38.5	32/59							○
HSP09-6D-39.0-C32	6D	234	315	39.0	32/59							○
HSP09-6D-39.5-C32	6D	237	318	39.5	32/59							○
HSP09-6D-40.0-C32	6D	240	321	40.0	32/59							○
HSP09-6D-40.5-C32	6D	243	324	40.5	32/59							○
HSP09-6D-41.0-C40	6D	246	334	41.0	40/64				PLD-V1035 TiN-H	M6*15L	H3.0	○
HSP09-6D-41.5-C40	6D	249	337	41.5	40/64							○
HSP09-6D-42.0-C40	6D	252	340	42.0	40/64							○
HSP09-6D-42.5-C40	6D	255	343	42.5	40/64							○
HSP09-6D-43.0-C40	6D	258	346	43.0	40/64							○
HSP09-6D-43.5-C40	6D	261	349	43.5	40/64							○
HSP09-6D-44.0-C40	6D	264	352	44.0	40/64							○
HSP09-6D-44.5-C40	6D	267	355	44.5	40/64							○
HSP11-6D-45.0-C40	6D	270	358	45.0	40/64	SPMG110408	M4*10L					○
HSP11-6D-45.5-C40	6D	273	361	45.5	40/64							○

HSP-8D Fast driling HSP-8D



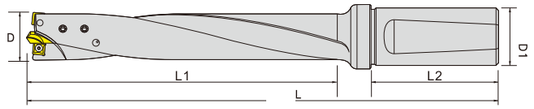


■ HSP-8D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench				Stock
	(DL)	(L1)	(L)	(D)	(D1) (L2)							
HSP04-8D-18.0-C25	8D	144	218	18.0	25/55	SPMG040202	M1.8*4L	T6		M4*6L		○
HSP04-8D-18.5-C25	8D	148	222	18.5	25/55							○
HSP04-8D-19.0-C25	8D	152	226	19.0	25/55							○
HSP04-8D-19.5-C25	8D	156	230	19.5	25/55							○
HSP05-8D-20.0-C25	8D	160	234	20.0	25/55	SPMG050204	M2.2*5.5L					○
HSP05-8D-20.5-C25	8D	164	238	20.5	25/55							○
HSP05-8D-21.0-C25	8D	168	242	21.0	25/55							○
HSP05-8D-21.5-C25	8D	172	246	21.5	25/55							○
HSP06-8D-22.0-C25	8D	176	250	22.0	25/55	SPMG060204	M2.5*6L		PLD-V0630 TiN-H	M4*8L	H2.0	○
HSP06-8D-22.5-C25	8D	180	254	22.5	25/55							○
HSP06-8D-23.0-C25	8D	184	258	23.0	25/55							○
HSP06-8D-23.5-C25	8D	188	262	23.5	25/55							○
HSP06-8D-24.0-C25	8D	192	266	24.0	25/55							○
HSP06-8D-24.5-C25	8D	196	270	24.5	25/55							○
HSP07-8D-25.0-C32	8D	200	281	25.0	32/59	SPMG07T308	M3.0*8L	T8				○
HSP07-8D-25.5-C32	8D	204	285	25.5	32/59							○
HSP07-8D-26.0-C32	8D	208	289	26.0	32/59					M4*10L		○
HSP07-8D-26.5-C32	8D	212	293	26.5	32/59							○
HSP07-8D-27.0-C32	8D	216	297	27.0	32/59							○
HSP07-8D-27.5-C32	8D	220	301	27.5	32/59							○
HSP07-8D-28.0-C32	8D	224	305	28.0	32/59							○
HSP07-8D-28.5-C32	8D	228	309	28.5	32/59							○
HSP07-8D-29.0-C32	8D	232	313	29.0	32/59				PLD-V0835 TiN-H	M5*10L	H2.5	○
HSP07-8D-29.5-C32	8D	236	317	29.5	32/59							○
HSP07-8D-30.0-C32	8D	240	321	30.0	32/59							○
HSP07-8D-30.5-C32	8D	244	325	30.5	32/59							○
HSP07-8D-31.0-C32	8D	248	329	31.0	32/59							○
HSP07-8D-31.5-C32	8D	252	333	31.5	32/59							○
HSP07-8D-32.0-C32	8D	256	337	32.0	32/59					M5*12L		○
HSP07-8D-32.5-C32	8D	260	341	32.5	32/59							○
HSP07-8D-33.0-C32	8D	264	345	33.0	32/59							○

HSP-8D Fast driling HSP-8D





■ HSP-8D Fast driling

Model No.	(Size and shape)					Insert	Screw	Wrench				Stock
	(DL)	(L1)	(L)	(D)	(D1) (L2)							
HSP07-8D-33.5-C32	8D	268	349	33.5	32/59	SPMG07T308	M2.5*7L	T8		M5*12L		○
HSP07-8D-34.0-C32	8D	272	353	34.0	32/59							○
HSP07-8D-34.5-C32	8D	276	357	34.5	32/59							○
HSP07-8D-35.0-C32	8D	280	361	35.0	32/59							○
HSP07-8D-35.5-C32	8D	284	365	35.5	32/59							○
HSP09-8D-36.0-C32	8D	288	369	36.0	32/59	SPMG07T308	M3.0*8L	T15	PLD-V0835 TiN-H	M5*15L	H2.5	○
HSP09-8D-36.5-C32	8D	292	373	36.5	32/59							○
HSP09-8D-37.0-C32	8D	296	377	37.0	32/59							○
HSP09-8D-37.5-C32	8D	300	381	37.5	32/59							○
HSP09-8D-38.0-C32	8D	304	385	38.0	32/59							○
HSP09-8D-38.5-C32	8D	308	389	38.5	32/59							○
HSP09-8D-39.0-C32	8D	312	393	39.0	32/59							○
HSP09-8D-39.5-C32	8D	316	397	39.5	32/59							○
HSP09-8D-40.0-C32	8D	320	401	40.0	32/59							○
HSP09-8D-40.5-C32	8D	324	405	40.5	32/59							○
HSP09-8D-41.0-C40	8D	328	416	41.0	40/64				PLD-V1035 TiN-H	M6*15L	H3.0	○
HSP09-8D-41.5-C40	8D	332	420	41.5	40/64							○
HSP09-8D-42.0-C40	8D	336	424	42.0	40/64							○
HSP09-8D-42.5-C40	8D	340	428	42.5	40/64							○
HSP09-8D-43.0-C40	8D	344	432	43.0	40/64							○
HSP09-8D-43.5-C40	8D	348	436	43.5	40/64							○
HSP09-8D-44.0-C40	8D	352	440	44.0	40/64							○
HSP09-8D-44.5-C40	8D	356	444	44.5	40/64							○
HSP11-8D-45.0-C40	8D	360	448	45.0	40/64	SPMG110408	M4*10L					○
HSP11-8D-45.5-C40	8D	364	452	45.5	40/64							○

HSP-8D

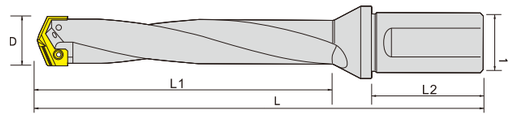
SD Shovel shaped drill series

SD



SD spade drll SD-



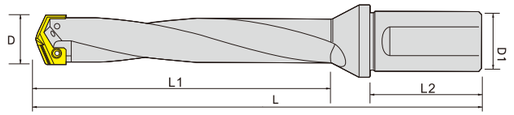


■ SD spade drll

Model No	(Size and shape)				Insert	blade thickness	Screw	Wrench	Price	Stock
	(S/H)	(L1)	(L)	(D1) (L2)						
SD00S-023-XP25	S	23	113	25/56					364	●
SD00S-035-XP25	S	35	122	25/56					382	●
SD00H-064-XP25	H	64	150	25/56					455	●
SD00H-114-XP25	H	114	201	25/56					637	●
SD00H-178-XP25	H	178	265	25/56	D13.0-D17.5	3.18	M2.5X6L	T8	819	●
SD00S-240-XP25	S	240	327	25/56					1178	●
SD00H-240-XP25	H	240	327	25/56					1178	●
SD00S-295-XP25	S	295	382	25/56					1200	●
SD00S-387-XP25	S	387	480	25/56					1598	●
SD05S-023-XP25	S	23	113	25/56					455	●
SD05S-035-XP25	S	35	122	25/56					455	●
SD05H-064-XP25	H	64	150	25/56					455	●
SD05H-114-XP25	H	114	201	25/56					637	●
SD05H-178-XP25	H	178	265	25/56	D15.5-D17.5	3.18	M2.5X6L	T8	819	●
SD05S-240-XP25	S	240	327	25/56					1000	●
SD05H-240-XP25	H	240	327	25/56					1000	●
SD05S-295-XP25	S	295	382	25/56					1200	●
SD05S-387-XP25	S	387	480	25/56					1598	●
SD10S-048-XP25	S	48	104	25/56					482	●
SD10S-067-XP25	S	67	157	25/56					509	●
SD10H-067-XP25	H	67	157	25/56					509	●
SD10H-118-XP25	H	118	212	25/56					691	●
SD10H-168-XP25	H	168	262	25/56					873	●
SD10H-218-XP25	H	218	312	25/56	D17.6-D24.4	3.97	M3X8L	T8	1000	●
SD10H-240-XP25	H	240	330	25/56					1091	●
SD10H-270-XP25	H	270	364	25/56					1200	●
SD10S-365-XP25	S	365	458	25/56					1467	●
SD10S-457-XP25	S	457	551	25/56					1720	●
SD10S-569-XP25	S	569	660	25/56					2456	●

SD spade drll SD-



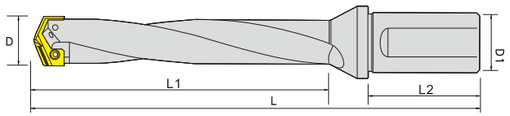


■ SD spade drll

Model No	(Size and shape)				Insert	blade thickness	Screw	Wrench	Price	Stock
	(S/H)	(L1)	(L)	(D1) (L2)						
SD15S-057-XP25	S	57	147	25/56	D22.0-D24.4	3.97	M3X8L	T8	445	●
SD15S-067-XP25	S	67	157	25/56					509	●
SD15H-067-XP25	H	67	157	25/56					509	●
SD15H-118-XP25	H	118	212	25/56					819	●
SD15H-168-XP25	H	168	262	25/56					873	●
SD15H-218-XP25	H	218	312	25/56					1000	●
SD15H-240-XP25	H	240	330	25/56					1091	●
SD15H-270-XP25	H	270	364	25/56					1200	●
SD15S-365-XP25	S	365	458	25/56					1467	●
SD15H-365-XP25	H	365	459	25/56					1467	●
SD15S-457-XP25	S	457	551	25/56					1822	●
SD15S-569-XP25	S	569	660	25/56					3100	●
SD20S-057-XP32	S	57	154	32/60	D24.5-D35.0	4.76	M3.5X10L	T15	450	●
SD20S-086-XP32	S	86	190	32/60					460	●
SD20H-086-XP32	H	86	190	32/60					460	●
SD20H-137-XP32	H	137	240	32/60					873	●
SD20H-187-XP32	H	187	290	32/60					1000	●
SD20H-237-XP32	H	237	340	32/60					1182	●
SD20H-289-XP32	H	289	392	32/60					1364	●
SD20H-350-XP32	H	350	456	32/60					1730	●
SD20H-400-XP32	H	400	503	32/60					1978	●
SD20S-511-XP32	S	511	614	32/60					2445	●
SD20S-692-XP32	S	692	795	32/60					5673	●
SD25H-086-XP32	H	86	190	32/60	D30.0-D35.0	4.76	M3.5X10L	T15	460	●
SD25S-096-XP32	S	96	243	32/60					641	●
SD25H-137-XP32	H	137	293	32/60					1000	●
SD25H-187-XP32	H	187	343	32/60					1050	●
SD25H-237-XP32	H	237	395	32/60					1182	●
SD25H-289-XP32	H	289	456	32/60					1364	●
SD25H-350-XP32	H	350	503	32/60					1730	●
SD25H-400-XP32	H	400	503	32/60					1978	●
SD25S-400-XP32	S	400	503	32/60					1978	●
SD25S-511-XP32	S	511	614	32/60					2445	●

SD spade drll SD-





■ SD spade drll

Model No	(Size and shape)				Insert	blade thickness	Screw	Wrench	Price	Stock
	(S/H)	(L1)	(L)	(D1) (L2)						
SD30S-076-XP40	S	076	208	40/70	D35.1-D47.9	6.34	M5X10L	T20	667	●
SD30H-076-XP40	H	076	208	40/70					667	●
SD30S-121-XP40	S	121	248	40/70					910	●
SD30H-165-XP40	H	165	292	40/70					1200	●
SD30H-210-XP40	H	210	337	40/70					1273	●
SD30H-260-XP40	H	260	387	40/70					1364	●
SD30S-349-XP40	S	349	471	40/70					2000	●
SD30H-349-XP40	H	349	471	40/70					2000	●
SD30S-559-XP40	S	559	681	40/70					3216	●
SD30S-787-XP40	S	787	910	40/70					6400	●
SD35S-076-XP40	S	76	135	40/70	D42.0-D47.9	6.35	M5X10L	T20	667	●
SD35S-121-XP40	S	121	248	40/70					910	●
SD35H-165-XP40	H	165	292	40/70					1200	●
SD35H-210-XP40	H	210	337	40/70					1273	●
SD35S-260-XP40	S	260	387	40/70					1364	●
SD35S-349-XP40	S	349	472	40/70					2100	●
SD35H-349-XP40	H	349	472	40/70					2100	●
SD35S-559-XP40	S	559	681	40/70					3216	●
SD35S-787-XP40	S	787	910	40/70					6400	●
SD40S-130-XP40	S	130	255	40/70	D48.0-D65.28	7.9	M5X10L	T20	1020	●
SD40H-232-XP40	H	232	365	40/70					1193	●
SD40S-350-XP40	S	350	475	40/70					2000	●
SD40H-350-XP40	H	350	475	40/70					2000	●
SD40H-422-XP40	H	422	547	40/70					2788	●
SD40H-525-XP40	H	525	649	40/70					3867	●
SD40H-625-XP40	H	625	685	40/70					5083	●

FY Scrapblade series



FY blade



Diameter	Product material	thickness	Price	Stock
13.0mm–17.5mm	(S6STA)	3.18	250	●
18.0mm–24.0mm		3.97	280	●
24.5mm–35.0mm		4.76	320	●
35.5mm–47.5mm		6.35	540	○
48.0mm–65.0mm		7.9	720	○



Diameter	Product material	thickness	Price	Stock
13.0mm–17.5mm	(G2STA)	3.18	368	●
18.0mm–24.0mm		3.97	414	●
24.5mm–35.0mm		4.76	484	●
35.5mm–47.5mm		6.35	732	○
48.0mm–65.0mm		7.9	998	○

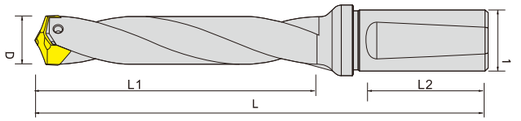
SDT Side lock type Crown drill bit

侧锁皇冠钻



SDT 3D Side lock type Crown drill bit SDT-3D



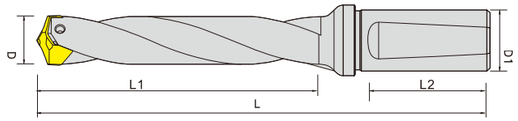


■ SDT 3D Side lock type Crown drill bit

(Specification)	(multiple)	(Effective scope)	(L1)	(L2)	(L3)	(D2)	(D3)	(Screw)	(Wrench)	(Stock)
SDT-3D-10.0-C16-LU037	3D	D10.00-D10.49	101	37	48	16	24	M2.0*9.5	6IP	○
SDT-3D-10.5-C16-LU037	3D	D10.50-D10.99	101	37	48	16	24	M2.0*9.5	6IP	○
SDT-3D-11.0-C16-LU040	3D	D11.00-D11.49	104	40	48	16	24	M2.0*9.5	6IP	○
SDT-3D-11.5-C16-LU040	3D	D11.50-D11.99	104	40	48	16	24	M2.0*9.5	6IP	○
SDT-3D-12.0-C16-LU043	3D	D12.00-D12.49	108	43	48	16	24	M2.5*10.9	7IP	○
SDT-3D-12.5-C16-LU043	3D	D12.50-D12.99	108	43	48	16	24	M2.5*10.9	7IP	○
SDT-3D-13.0-C16-LU046	3D	D13.00-D13.49	111	46	48	16	24	M2.5*10.9	7IP	○
SDT-3D-13.5-C16-LU046	3D	D13.50-D13.99	111	46	48	16	24	M2.5*10.9	7IP	○
SDT-3D-14.0-C20-LU049	3D	D14.00-D14.49	120	49	50	20	28	M3.0*12.8	8IP	○
SDT-3D-14.5-C20-LU049	3D	D14.50-D14.99	120	49	50	20	28	M3.0*12.8	8IP	○
SDT-3D-15.0-C20-LU052	3D	D15.00-D15.49	123	52	50	20	28	M3.0*12.8	8IP	○
SDT-3D-15.5-C20-LU052	3D	D15.50-D15.99	123	52	50	20	28	M3.0*12.8	8IP	○
SDT-3D-16.0-C20-LU056	3D	D16.00-D16.49	127	56	50	20	28	M3.0*12.8	8IP	○
SDT-3D-16.5-C20-LU056	3D	D16.50-D16.99	127	56	50	20	28	M3.0*12.8	8IP	○
SDT-3D-17.0-C20-LU060	3D	D17.00-D17.49	131	60	50	20	28	M3.0*12.8	8IP	○
SDT-3D-17.5-C20-LU060	3D	D17.50-D17.99	131	60	50	20	28	M3.0*12.8	8IP	○
SDT-3D-18.0-C20-LU063	3D	D18.00-D18.49	136	63	50	20	28	M4.0*16.7	15IP	○
SDT-3D-18.5-C20-LU063	3D	D18.50-D18.99	136	63	50	20	28	M4.0*16.7	15IP	○
SDT-3D-19.0-C20-LU067	3D	D19.00-D19.49	140	67	50	20	28	M4.0*16.7	15IP	○
SDT-3D-19.5-C20-LU067	3D	D19.50-D19.99	140	67	50	20	28	M4.0*16.7	15IP	○
SDT-3D-20.0-C25-LU072	3D	D20.00-D20.99	154	72	56	25	35	M4.0*16.7	15IP	○
SDT-3D-21.0-C25-LU075	3D	D21.00-D21.99	157	75	56	25	35	M4.0*16.7	15IP	○
SDT-3D-22.0-C25-LU079	3D	D22.00-D22.99	161	79	56	25	35	M4.0*16.7	15IP	○
SDT-3D-23.0-C25-LU082	3D	D23.00-D23.99	164	82	56	25	35	M4.0*16.7	15IP	○
SDT-3D-24.0-C25-LU086	3D	D24.00-D24.99	172	86	56	25	35	M5.0*22.6	20IP	○

SDT 3D Side lock type Crown drill bit SDT-3D



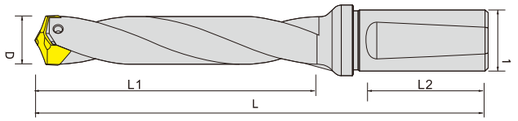


■ SDT 3D Side lock type Crown drill bit

(Specification)	(multiple)	(Effective scope)	(L1)	(L2)	(L3)	(D2)	(D3)	(Screw)	(Wrench)	(Stock)
SDT-3D-25.0-C32-LU089	3D	D25.00-D25.99	182	89	60	32	42	M5.0*22.6	20IP	○
SDT-3D-26.0-C32-LU092	3D	D26.00-D26.99	185	92	60	32	42	M5.0*22.6	20IP	○
SDT-3D-27.0-C32-LU096	3D	D27.00-D27.99	189	96	60	32	42	M5.0*22.6	20IP	○
SDT-3D-28.0-C32-LU099	3D	D28.00-D28.99	192	99	60	32	42	M5.0*22.6	20IP	○
SDT-3D-29.0-C32-LU103	3D	D29.00-D29.99	196	103	60	32	42	M5.0*22.6	20IP	○
SDT-3D-30.0-C32-LU106	3D	D30.00-D30.99	199	106	60	32	42	M5.0*22.6	20IP	○
SDT-3D-31.0-C32-LU109	3D	D31.00-D31.99	202	109	60	32	42	M5.0*22.6	20IP	○
SDT-3D-32.0-C32-LU113	3D	D32.00-D32.99	206	113	60	32	42	M5.0*22.6	20IP	○
SDT-3D-33.0-C32-LU119	3D	D33.00-D33.99	213	119	60	32	42	M6.0*24.6	20IP	○
SDT-3D-34.0-C32-LU123	3D	D34.00-D34.99	217	123	60	32	42	M6.0*24.6	25IP	○
SDT-3D-35.0-C32-LU126	3D	D35.00-D35.99	220	126	60	32	42	M6.0*24.6	25IP	○
SDT-3D-36.0-C32-LU129	3D	D36.00-D36.99	223	129	60	32	42	M6.0*24.6	25IP	○
SDT-3D-37.0-C32-LU131	3D	D37.00-D37.99	227	131	60	32	42	M6.0*24.6	25IP	○
SDT-3D-38.0-C32-LU134	3D	D38.00-D38.99	230	134	60	32	42	M6.0*24.6	25IP	○
SDT-3D-39.0-C32-LU138	3D	D39.00-D39.99	234	138	60	32	42	M6.0*24.6	25IP	○
SDT-3D-40.0-C40-LU138	3D	D40.00-D40.99	247	138	70	40	50	M6.0*24.6	25IP	○
SDT-3D-41.0-C40-LU141	3D	D41.00-D41.99	250	141	70	40	50	M6.0*24.6	25IP	○
SDT-3D-42.0-C40-LU147	3D	D42.00-D42.99	256	147	70	40	50	M6.0*24.6	25IP	○
SDT-3D-43.0-C40-LU150	3D	D43.00-D43.99	259	150	70	40	50	M6.0*24.6	25IP	○
SDT-3D-44.0-C40-LU153	3D	D44.00-D44.99	262	153	70	40	50	M6.0*24.6	25IP	○
SDT-3D-45.0-C40-LU156	3D	D45.00-D45.99	265	156	70	40	50	M6.0*24.6	25IP	○
SDT-3D-46.0-C40-LU159	3D	D46.00-D46.99	268	159	70	40	50	M6.0*24.6	25IP	○
SDT-3D-47.0-C40-LU162	3D	D47.00-D47.99	271	162	70	40	50	M6.0*24.6	25IP	○
SDT-3D-48.0-C40-LU165	3D	D48.00-D48.99	274	165	70	40	50	M6.0*24.6	25IP	○
SDT-3D-49.0-C40-LU168	3D	D49.00-D49.99	277	168	70		50	M6.0*24.6	25IP	○

SDT 3D Side lock type Crown drill bit SDT-3D





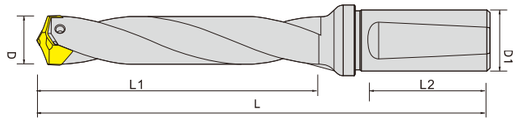
■ SDT 3D Side lock type Crown drill bit

(Specification)	(multiple)	(Effective scope)	(L1)	(L2)	(L3)	(D2)	(D3)	(Screw)	(Wrench)	(Stock)
SDT-3D-50.0-C40-LU171	3D	D50.00-D50.99	280	171	70	40	50.5	M6.0*24.6	25IP	○
SDT-3D-51.0-C40-LU174	3D	D51.00-D51.99	283	174	70	40	51.5	M6.0*24.6	25IP	○
SDT-3D-52.0-C40-LU177	3D	D52.00-D52.99	286	177	70	40	52.5	M6.0*24.6	25IP	○
SDT-3D-53.0-C40-LU180	3D	D53.00-D53.99	289	180	70	40	53.5	M6.0*24.6	25IP	○
SDT-3D-54.0-C40-LU183	3D	D54.00-D54.99	292	183	70	40	54.5	M6.0*24.6	25IP	○
SDT-3D-55.0-C40-LU186	3D	D55.00-D55.99	295	186	70	40	55.5	M6.0*24.6	25IP	○
SDT-3D-56.0-C40-LU189	3D	D56.00-D56.99	298	189	70	40	56.5	M6.0*24.6	25IP	○
SDT-3D-57.0-C40-LU192	3D	D57.00-D57.99	301	192	70	40	57.5	M6.0*24.6	25IP	○
SDT-3D-58.0-C40-LU195	3D	D58.00-D58.99	304	195	70	40	58.5	M6.0*24.6	25IP	○
SDT-3D-59.0-C40-LU198	3D	D59.00-D59.99	307	198	70	40	59.5	M6.0*24.6	25IP	○
SDT-3D-60.0-C40-LU201	3D	D60.00-D60.99	310	201	70	40	60.5	M6.0*24.6	25IP	○

SDT-

SDT 5D Side lock type Crown drill bit SDT-5D



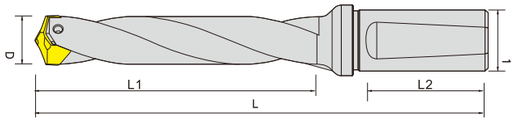


SDT 5D Side lock type Crown drill bit

(Specification)	(multiple)	(Effective scope)	(L1)	(L2)	(L3)	(D2)	(D3)	(Screw)	(Wrench)	(Stock)
SDT-5D-10.0-C16-LU057	5D	D10.00-D10.49	121	57	48	16	24	M2.0*9.5	6IP	○
SDT-5D-10.5-C16-LU057	5D	D10.50-D10.99	121	57	48	16	24	M2.0*9.5	6IP	○
SDT-5D-11.0-C16-LU062	5D	D11.00-D11.49	126	62	48	16	24	M2.0*9.5	6IP	○
SDT-5D-11.5-C16-LU062	5D	D11.50-D11.99	126	62	48	16	24	M2.0*9.5	6IP	○
SDT-5D-12.0-C16-LU067	5D	D12.00-D12.49	132	67	48	16	24	M2.5*10.9	7IP	○
SDT-5D-12.5-C16-LU067	5D	D12.50-D12.99	132	67	48	16	24	M2.5*10.9	7IP	○
SDT-5D-13.0-C16-LU072	5D	D13.00-D13.49	137	72	48	16	24	M2.5*10.9	7IP	○
SDT-5D-13.5-C16-LU072	5D	D13.50-D13.99	137	72	48	16	24	M2.5*10.9	7IP	○
SDT-5D-14.0-C20-LU077	5D	D14.00-D14.49	148	77	50	20	28	M3.0*12.8	8IP	○
SDT-5D-14.5-C20-LU077	5D	D14.50-D14.99	148	77	50	20	28	M3.0*12.8	8IP	○
SDT-5D-15.0-C20-LU082	5D	D15.00-D15.49	153	82	50	20	28	M3.0*12.8	8IP	○
SDT-5D-15.5-C20-LU082	5D	D15.50-D15.99	153	82	50	20	28	M3.0*12.8	8IP	○
SDT-5D-16.0-C20-LU088	5D	D16.00-D16.49	159	88	50	20	28	M3.0*12.8	8IP	○
SDT-5D-16.5-C20-LU088	5D	D16.50-D16.99	159	88	50	20	28	M3.0*12.8	8IP	○
SDT-5D-17.0-C20-LU094	5D	D17.00-D17.49	165	94	50	20	28	M3.0*12.8	8IP	○
SDT-5D-17.5-C20-LU094	5D	D17.50-D17.99	165	94	50	20	28	M3.0*12.8	8IP	○
SDT-5D-18.0-C20-LU099	5D	D18.00-D18.49	172	99	50	20	28	M4.0*16.7	15IP	○
SDT-5D-18.5-C20-LU099	5D	D18.50-D18.99	172	99	50	20	28	M4.0*16.7	15IP	○
SDT-5D-19.0-C20-LU105	5D	D19.00-D19.49	178	105	50	20	28	M4.0*16.7	15IP	○
SDT-5D-19.5-C20-LU105	5D	D19.50-D19.99	178	105	50	20	28	M4.0*16.7	15IP	○
SDT-5D-20.0-C25-LU112	5D	D20.00-D20.99	194	112	56	25	35	M4.0*16.7	15IP	○
SDT-5D-21.0-C25-LU117	5D	D21.00-D21.99	199	117	56	25	35	M4.0*16.7	15IP	○
SDT-5D-22.0-C25-LU123	5D	D22.00-D22.99	205	123	56	25	35	M4.0*16.7	15IP	○
SDT-5D-23.0-C25-LU128	5D	D23.00-D23.99	210	128	56	25	35	M4.0*16.7	15IP	○
SDT-5D-24.0-C25-LU134	5D	D24.00-D24.99	220	134	56	25	35	M5.0*22.6	20IP	○

SDT 5D Side lock type Crown drill bit SDT-5D



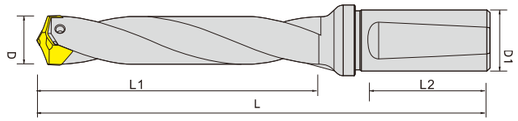


SDT 5D Side lock type Crown drill bit

(Specification)	(multiple)	(Effective scope)	(L1)	(L2)	(L3)	(D2)	(D3)	(Screw)	(Wrench)	(Stock)
SDT-5D-25.0-C32-LU139	5D	D25.00-D25.99	232	139	60	32	42	M5.0*22.6	20IP	○
SDT-5D-26.0-C32-LU144	5D	D26.00-D26.99	237	144	60	32	42	M5.0*22.6	20IP	○
SDT-5D-27.0-C32-LU150	5D	D27.00-D27.99	243	150	60	32	42	M5.0*22.6	20IP	○
SDT-5D-28.0-C32-LU155	5D	D28.00-D28.99	248	155	60	32	42	M5.0*22.6	20IP	○
SDT-5D-29.0-C32-LU161	5D	D29.00-D29.99	254	161	60	32	42	M5.0*22.6	20IP	○
SDT-5D-30.0-C32-LU166	5D	D30.00-D30.99	259	166	60	32	42	M5.0*22.6	20IP	○
SDT-5D-31.0-C32-LU171	5D	D31.00-D31.99	264	171	60	32	42	M5.0*22.6	20IP	○
SDT-5D-32.0-C32-LU177	5D	D32.00-D32.99	270	177	60	32	42	M5.0*22.6	20IP	○
SDT-5D-33.0-C32-LU185	5D	D33.00-D33.99	279	185	60	32	42	M6.0*24.6	20IP	○
SDT-5D-34.0-C32-LU191	5D	D34.00-D34.99	285	191	60	32	42	M6.0*24.6	25IP	○
SDT-5D-35.0-C32-LU196	5D	D35.00-D35.99	290	196	60	32	42	M6.0*24.6	25IP	○
SDT-5D-36.0-C32-LU201	5D	D36.00-D36.99	295	201	60	32	42	M6.0*24.6	25IP	○
SDT-5D-37.0-C32-LU205	5D	D37.00-D37.99	301	205	60	32	42	M6.0*24.6	25IP	○
SDT-5D-38.0-C32-LU210	5D	D38.00-D38.99	306	210	60	32	42	M6.0*24.6	25IP	○
SDT-5D-39.0-C32-LU216	5D	D39.00-D39.99	312	216	60	32	42	M6.0*24.6	25IP	○
SDT-5D-40.0-C40-LU218	5D	D40.00-D40.99	327	218	70	40	50	M6.0*24.6	25IP	○
SDT-5D-41.0-C40-LU223	5D	D41.00-D41.99	332	223	70	40	50	M6.0*24.6	25IP	○
SDT-5D-42.0-C40-LU231	5D	D42.00-D42.99	340	231	70	40	50	M6.0*24.6	25IP	○
SDT-5D-43.0-C40-LU236	5D	D43.00-D43.99	345	236	70	40	50	M6.0*24.6	25IP	○
SDT-5D-44.0-C40-LU241	5D	D44.00-D44.99	350	241	70	40	50	M6.0*24.6	25IP	○
SDT-5D-45.0-C40-LU246	5D	D45.00-D45.99	355	246	70	40	50	M6.0*24.6	25IP	○
SDT-5D-46.0-C40-LU251	5D	D46.00-D46.99	360	251	70	40	50	M6.0*24.6	25IP	○
SDT-5D-47.0-C40-LU256	5D	D47.00-D47.99	365	256	70	40	50	M6.0*24.6	25IP	○
SDT-5D-48.0-C40-LU261	5D	D48.00-D48.99	370	261	70	40	50	M6.0*24.6	25IP	○
SDT-5D-49.0-C40-LU266	5D	D49.00-D49.99	375	266	70		50	M6.0*24.6	25IP	○

SDT 5D Side lock type Crown drill bit SDT-5D



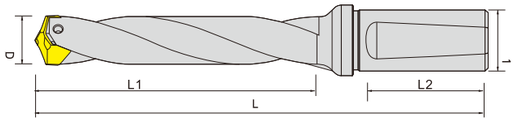


SDT 5D Side lock type Crown drill bit

(Specification)	(multiple)	(Effective scope)	(L1)	(L2)	(L3)	(D2)	(D3)	(Screw)	(Wrench)	(Stock)
SDT-5D-50.0-C40-LU271	5D	D50.00-D50.99	380	271	70	40	50.5	M6.0*24.6	25IP	○
SDT-5D-51.0-C40-LU276	5D	D51.00-D51.99	385	276	70	40	51.5	M6.0*24.6	25IP	○
SDT-5D-52.0-C40-LU281	5D	D52.00-D52.99	390	281	70	40	52.5	M6.0*24.6	25IP	○
SDT-5D-53.0-C40-LU286	5D	D53.00-D53.99	395	286	70	40	53.5	M6.0*24.6	25IP	○
SDT-5D-54.0-C40-LU291	5D	D54.00-D54.99	400	291	70	40	54.5	M6.0*24.6	25IP	○
SDT-5D-55.0-C40-LU296	5D	D55.00-D55.99	405	296	70	40	55.5	M6.0*24.6	25IP	○
SDT-5D-56.0-C40-LU301	5D	D56.00-D56.99	410	301	70	40	56.5	M6.0*24.6	25IP	○
SDT-5D-57.0-C40-LU306	5D	D57.00-D57.99	415	306	70	40	57.5	M6.0*24.6	25IP	○
SDT-5D-58.0-C40-LU311	5D	D58.00-D58.99	420	311	70	40	58.5	M6.0*24.6	25IP	○
SDT-5D-59.0-C40-LU316	5D	D59.00-D59.99	425	316	70	40	59.5	M6.0*24.6	25IP	○
SDT-5D-60.0-C40-LU321	5D	D60.00-D60.99	430	321	70	40	60.5	M6.0*24.6	25IP	○

SDT 7D Side lock type Crown drill bit SDT-7D



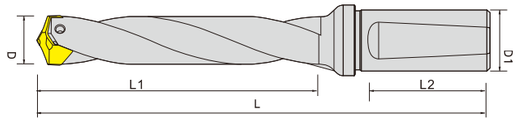


SDT 7D Side lock type Crown drill bit

(Specification)	(multiple)	(Effective scope)	(L1)	(L2)	(L3)	(D2)	(D3)	(Screw)	(Wrench)	(Stock)
SDT-7D-10.0-C16-LU077	7D	D10.00-D10.49	141	77	48	16	24	M2.0*9.5	6IP	○
SDT-7D-10.5-C16-LU077	7D	D10.50-D10.99	141	77	48	16	24	M2.0*9.5	6IP	○
SDT-7D-11.0-C16-LU084	7D	D11.00-D11.49	148	84	48	16	24	M2.0*9.5	6IP	○
SDT-7D-11.5-C16-LU084	7D	D11.50-D11.99	148	84	48	16	24	M2.0*9.5	6IP	○
SDT-7D-12.0-C16-LU091	7D	D12.00-D12.49	156	91	48	16	24	M2.5*10.9	7IP	○
SDT-7D-12.5-C16-LU091	7D	D12.50-D12.99	156	91	48	16	24	M2.5*10.9	7IP	○
SDT-7D-13.0-C16-LU098	7D	D13.00-D13.49	163	98	48	16	24	M2.5*10.9	7IP	○
SDT-7D-13.5-C16-LU098	7D	D13.50-D13.99	163	98	48	16	24	M2.5*10.9	7IP	○
SDT-7D-14.0-C20-LU105	7D	D14.00-D14.49	176	105	50	20	28	M3.0*12.8	8IP	○
SDT-7D-14.5-C20-LU105	7D	D14.50-D14.99	176	105	50	20	28	M3.0*12.8	8IP	○
SDT-7D-15.0-C20-LU112	7D	D15.00-D15.49	183	112	50	20	28	M3.0*12.8	8IP	○
SDT-7D-15.5-C20-LU112	7D	D15.50-D15.99	183	112	50	20	28	M3.0*12.8	8IP	○
SDT-7D-16.0-C20-LU120	7D	D16.00-D16.49	191	120	50	20	28	M3.0*12.8	8IP	○
SDT-7D-16.5-C20-LU120	7D	D16.50-D16.99	191	120	50	20	28	M3.0*12.8	8IP	○
SDT-7D-17.0-C20-LU128	7D	D17.00-D17.49	199	128	50	20	28	M3.0*12.8	8IP	○
SDT-7D-17.5-C20-LU128	7D	D17.50-D17.99	199	128	50	20	28	M3.0*12.8	8IP	○
SDT-7D-18.0-C20-LU135	7D	D18.00-D18.49	208	135	50	20	28	M4.0*16.7	15IP	○
SDT-7D-18.5-C20-LU135	7D	D18.50-D18.99	208	135	50	20	28	M4.0*16.7	15IP	○
SDT-7D-19.0-C20-LU143	7D	D19.00-D19.49	216	143	50	20	28	M4.0*16.7	15IP	○
SDT-7D-19.5-C20-LU143	7D	D19.50-D19.99	216	143	50	20	28	M4.0*16.7	15IP	○
SDT-7D-20.0-C25-LU152	7D	D20.00-D20.99	234	152	56	25	35	M4.0*16.7	15IP	○
SDT-7D-21.0-C25-LU159	7D	D21.00-D21.99	241	159	56	25	35	M4.0*16.7	15IP	○
SDT-7D-22.0-C25-LU167	7D	D22.00-D22.99	249	167	56	25	35	M4.0*16.7	15IP	○
SDT-7D-23.0-C25-LU174	7D	D23.00-D23.99	256	174	56	25	35	M4.0*16.7	15IP	○
SDT-7D-24.0-C25-LU182	7D	D24.00-D24.99	268	182	56	25	35	M5.0*22.6	20IP	○

SDT 7D Side lock type Crown drill bit SDT-7D



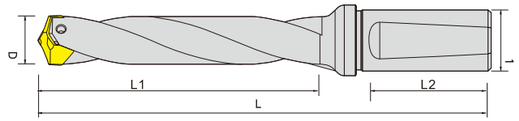


■ SDT 7D Side lock type Crown drill bit

(Specification)	(multiple)	(Effective scope)	(L1)	(L2)	(L3)	(D2)	(D3)	(Screw)	(Wrench)	(Stock)
SDT-7D-25.0-C32-LU189	7D	D25.00-D25.99	282	189	60	32	42	M5.0*22.6	20IP	○
SDT-7D-26.0-C32-LU196	7D	D26.00-D26.99	289	196	60	32	42	M5.0*22.6	20IP	○
SDT-7D-27.0-C32-LU204	7D	D27.00-D27.99	297	204	60	32	42	M5.0*22.6	20IP	○
SDT-7D-28.0-C32-LU211	7D	D28.00-D28.99	304	211	60	32	42	M5.0*22.6	20IP	○
SDT-7D-29.0-C32-LU219	7D	D29.00-D29.99	312	219	60	32	42	M5.0*22.6	20IP	○
SDT-7D-30.0-C32-LU226	7D	D30.00-D30.99	319	226	60	32	42	M5.0*22.6	20IP	○
SDT-7D-31.0-C32-LU233	7D	D31.00-D31.99	326	233	60	32	42	M5.0*22.6	20IP	○
SDT-7D-32.0-C32-LU241	7D	D32.00-D32.99	334	241	60	32	42	M5.0*22.6	20IP	○
SDT-7D-33.0-C32-LU251	7D	D33.00-D33.99	345	251	60	32	42	M6.0*24.6	20IP	○
SDT-7D-34.0-C32-LU259	7D	D34.00-D34.99	353	259	60	32	42	M6.0*24.6	25IP	○
SDT-7D-35.0-C32-LU266	7D	D35.00-D35.99	360	266	60	32	42	M6.0*24.6	25IP	○
SDT-7D-36.0-C32-LU273	7D	D36.00-D36.99	367	273	60	32	42	M6.0*24.6	25IP	○
SDT-7D-37.0-C32-LU279	7D	D37.00-D37.99	375	279	60	32	42	M6.0*24.6	25IP	○
SDT-7D-38.0-C32-LU286	7D	D38.00-D38.99	382	286	60	32	42	M6.0*24.6	25IP	○
SDT-7D-39.0-C32-LU294	7D	D39.00-D39.99	390	294	60	32	42	M6.0*24.6	25IP	○
SDT-7D-40.0-C40-LU298	7D	D40.00-D40.99	407	298	70	40	50	M6.0*24.6	25IP	○
SDT-7D-41.0-C40-LU305	7D	D41.00-D41.99	414	305	70	40	50	M6.0*24.6	25IP	○
SDT-7D-42.0-C40-LU315	7D	D42.00-D42.99	424	315	70	40	50	M6.0*24.6	25IP	○
SDT-7D-43.0-C40-LU322	7D	D43.00-D43.99	431	322	70	40	50	M6.0*24.6	25IP	○
SDT-7D-44.0-C40-LU329	7D	D44.00-D44.99	438	329	70	40	50	M6.0*24.6	25IP	○
SDT-7D-45.0-C40-LU336	7D	D45.00-D45.99	445	336	70	40	50	M6.0*24.6	25IP	○
SDT-7D-46.0-C40-LU343	7D	D46.00-D46.99	452	343	70	40	50	M6.0*24.6	25IP	○
SDT-7D-47.0-C40-LU350	7D	D47.00-D47.99	459	350	70	40	50	M6.0*24.6	25IP	○
SDT-7D-48.0-C40-LU357	7D	D48.00-D48.99	466	357	70	40	50	M6.0*24.6	25IP	○
SDT-7D-49.0-C40-LU364	7D	D49.00-D49.99	473	364	70		50	M6.0*24.6	25IP	○

SDT 7D Side lock type Crown drill bit SDT-7D



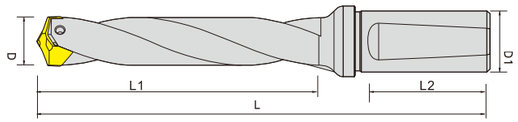


■ SDT 7D Side lock type Crown drill bit

(Specification)	(multiple)	(Effective scope)	(L1)	(L2)	(L3)	(D2)	(D3)	(Screw)	(Wrench)	(Stock)
SDT-7D-50.0-C40-LU371	7D	D50.00-D50.99	480	371	70	40	50.5	M6.0*24.6	25IP	○
SDT-7D-51.0-C40-LU378	7D	D51.00-D51.99	487	378	70	40	51.5	M6.0*24.6	25IP	○
SDT-7D-52.0-C40-LU385	7D	D52.00-D52.99	494	385	70	40	52.5	M6.0*24.6	25IP	○
SDT-7D-53.0-C40-LU392	7D	D53.00-D53.99	501	392	70	40	53.5	M6.0*24.6	25IP	○
SDT-7D-54.0-C40-LU399	7D	D54.00-D54.99	508	399	70	40	54.5	M6.0*24.6	25IP	○
SDT-7D-55.0-C40-LU406	7D	D55.00-D55.99	515	406	70	40	55.5	M6.0*24.6	25IP	○
SDT-7D-56.0-C40-LU413	7D	D56.00-D56.99	522	413	70	40	56.5	M6.0*24.6	25IP	○
SDT-7D-57.0-C40-LU420	7D	D57.00-D57.99	529	420	70	40	57.5	M6.0*24.6	25IP	○
SDT-7D-58.0-C40-LU427	7D	D58.00-D58.99	536	427	70	40	58.5	M6.0*24.6	25IP	○
SDT-7D-59.0-C40-LU434	7D	D59.00-D59.99	543	434	70	40	59.5	M6.0*24.6	25IP	○
SDT-7D-60.0-C40-LU441	7D	D60.00-D60.99	550	441	70	40	60.5	M6.0*24.6	25IP	○

SDT 8D Side lock type Crown drill bit SDT-8D



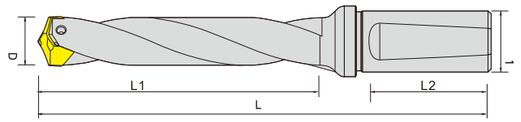


■ SDT 8D Side lock type Crown drill bit

(Specification)	(multiple)	(Effective scope)	(L1)	(L2)	(L3)	(D2)	(D3)	(Screw)	(Wrench)	(Stock)
SDT-8D-10.0-C16-LU087	8D	D10.00-D10.49	151	87	48	16	24	M2.0*9.5	6IP	○
SDT-8D-10.5-C16-LU087	8D	D10.50-D10.99	151	87	48	16	24	M2.0*9.5	6IP	○
SDT-8D-11.0-C16-LU095	8D	D11.00-D11.49	159	95	48	16	24	M2.0*9.5	6IP	○
SDT-8D-11.5-C16-LU095	8D	D11.50-D11.99	159	95	48	16	24	M2.0*9.5	6IP	○
SDT-8D-12.0-C16-LU103	8D	D12.00-D12.49	168	103	48	16	24	M2.5*10.9	7IP	○
SDT-8D-12.5-C16-LU103	8D	D12.50-D12.99	168	103	48	16	24	M2.5*10.9	7IP	○
SDT-8D-13.0-C16-LU111	8D	D13.00-D13.49	176	111	48	16	24	M2.5*10.9	7IP	○
SDT-8D-13.5-C16-LU111	8D	D13.50-D13.99	176	111	48	16	24	M2.5*10.9	7IP	○
SDT-8D-14.0-C20-LU119	8D	D14.00-D14.49	190	119	50	20	28	M3.0*12.8	8IP	○
SDT-8D-14.5-C20-LU119	8D	D14.50-D14.99	190	119	50	20	28	M3.0*12.8	8IP	○
SDT-8D-15.0-C20-LU127	8D	D15.00-D15.49	198	127	50	20	28	M3.0*12.8	8IP	○
SDT-8D-15.5-C20-LU127	8D	D15.50-D15.99	198	127	50	20	28	M3.0*12.8	8IP	○
SDT-8D-16.0-C20-LU136	8D	D16.00-D16.49	207	136	50	20	28	M3.0*12.8	8IP	○
SDT-8D-16.5-C20-LU136	8D	D16.50-D16.99	207	136	50	20	28	M3.0*12.8	8IP	○
SDT-8D-17.0-C20-LU145	8D	D17.00-D17.49	216	145	50	20	28	M3.0*12.8	8IP	○
SDT-8D-17.5-C20-LU145	8D	D17.50-D17.99	216	145	50	20	28	M3.0*12.8	8IP	○
SDT-8D-18.0-C20-LU153	8D	D18.00-D18.49	226	153	50	20	28	M4.0*16.7	15IP	○
SDT-8D-18.5-C20-LU153	8D	D18.50-D18.99	226	153	50	20	28	M4.0*16.7	15IP	○
SDT-8D-19.0-C20-LU162	8D	D19.00-D19.49	235	162	50	20	28	M4.0*16.7	15IP	○
SDT-8D-19.5-C20-LU162	8D	D19.50-D19.99	235	162	50	20	28	M4.0*16.7	15IP	○
SDT-8D-20.0-C25-LU172	8D	D20.00-D20.99	254	172	56	25	35	M4.0*16.7	15IP	○
SDT-8D-21.0-C25-LU180	8D	D21.00-D21.99	262	180	56	25	35	M4.0*16.7	15IP	○
SDT-8D-22.0-C25-LU189	8D	D22.00-D22.99	271	189	56	25	35	M4.0*16.7	15IP	○
SDT-8D-23.0-C25-LU197	8D	D23.00-D23.99	279	197	56	25	35	M4.0*16.7	15IP	○
SDT-8D-24.0-C25-LU206	8D	D24.00-D24.99	292	206	56	25	35	M5.0*22.6	20IP	○

SDT 8D Side lock type Crown drill bit SDT-8D



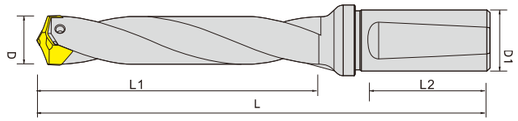


■ SDT 8D Side lock type Crown drill bit

(Specification)	(multiple)	(Effective scope)	(L1)	(L2)	(L3)	(D2)	(D3)	(Screw)	(Wrench)	(Stock)
SDT-8D-25.0-C32-LU214	8D	D25.00-D25.99	292	206	60	32	42	M5.0*22.6	20IP	○
SDT-8D-26.0-C32-LU222	8D	D26.00-D26.99	307	214	60	32	42	M5.0*22.6	20IP	○
SDT-8D-27.0-C32-LU231	8D	D27.00-D27.99	315	222	60	32	42	M5.0*22.6	20IP	○
SDT-8D-28.0-C32-LU239	8D	D28.00-D28.99	324	231	60	32	42	M5.0*22.6	20IP	○
SDT-8D-29.0-C32-LU248	8D	D29.00-D29.99	332	239	60	32	42	M5.0*22.6	20IP	○
SDT-8D-30.0-C32-LU256	8D	D30.00-D30.99	341	248	60	32	42	M5.0*22.6	20IP	○
SDT-8D-31.0-C32-LU264	8D	D31.00-D31.99	349	256	60	32	42	M5.0*22.6	20IP	○
SDT-8D-32.0-C32-LU273	8D	D32.00-D32.99	357	264	60	32	42	M5.0*22.6	20IP	○
SDT-8D-33.0-C32-LU284	8D	D33.00-D33.99	366	273	60	32	42	M6.0*24.6	20IP	○
SDT-8D-34.0-C32-LU293	8D	D34.00-D34.99	378	284	60	32	42	M6.0*24.6	25IP	○
SDT-8D-35.0-C32-LU301	8D	D35.00-D35.99	387	293	60	32	42	M6.0*24.6	25IP	○
SDT-8D-36.0-C32-LU309	8D	D36.00-D36.99	395	301	60	32	42	M6.0*24.6	25IP	○
SDT-8D-37.0-C32-LU316	8D	D37.00-D37.99	403	309	60	32	42	M6.0*24.6	25IP	○
SDT-8D-38.0-C32-LU324	8D	D38.00-D38.99	412	316	60	32	42	M6.0*24.6	25IP	○
SDT-8D-39.0-C32-LU333	8D	D39.00-D39.99	420	324	60	32	42	M6.0*24.6	25IP	○
SDT-8D-40.0-C40-LU338	8D	D40.00-D40.99	429	333	70	40	50	M6.0*24.6	25IP	○
SDT-8D-41.0-C40-LU346	8D	D41.00-D41.99	447	338	70	40	50	M6.0*24.6	25IP	○
SDT-8D-42.0-C40-LU357	8D	D42.00-D42.99	455	346	70	40	50	M6.0*24.6	25IP	○
SDT-8D-43.0-C40-LU365	8D	D43.00-D43.99	466	357	70	40	50	M6.0*24.6	25IP	○
SDT-8D-44.0-C40-LU373	8D	D44.00-D44.99	474	365	70	40	50	M6.0*24.6	25IP	○
SDT-8D-45.0-C40-LU381	8D	D45.00-D45.99	482	373	70	40	50	M6.0*24.6	25IP	○
SDT-8D-46.0-C40-LU389	8D	D46.00-D46.99	490	381	70	40	50	M6.0*24.6	25IP	○
SDT-8D-47.0-C40-LU397	8D	D47.00-D47.99	498	389	70	40	50	M6.0*24.6	25IP	○
SDT-8D-48.0-C40-LU405	8D	D48.00-D48.99	506	397	70	40	50	M6.0*24.6	25IP	○
SDT-8D-49.0-C40-LU413	8D	D49.00-D49.99	514	405	70	40	50	M6.0*24.6	25IP	○

SDT 8D Side lock type Crown drill bit SDT-8D侧锁



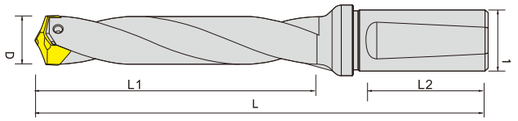


SDT 8D Side lock type Crown drill bit

(Specification)	(multiple)	(Effective scope)	(L1)	(L2)	(L3)	(D2)	(D3)	(Screw)	(Wrench)	(Stock)
SDT-8D-50.0-C40-LU421	8D	D50.00-D50.99	530	421	70	40	50.5	M6.0*24.6	25IP	○
SDT-8D-51.0-C40-LU429	8D	D51.00-D51.99	538	429	70	40	51.5	M6.0*24.6	25IP	○
SDT-8D-52.0-C40-LU437	8D	D52.00-D52.99	546	437	70	40	52.5	M6.0*24.6	25IP	○
SDT-8D-53.0-C40-LU445	8D	D53.00-D53.99	554	445	70	40	53.5	M6.0*24.6	25IP	○
SDT-8D-54.0-C40-LU453	8D	D54.00-D54.99	562	453	70	40	54.5	M6.0*24.6	25IP	○
SDT-8D-55.0-C40-LU461	8D	D55.00-D55.99	570	461	70	40	55.5	M6.0*24.6	25IP	○
SDT-8D-56.0-C40-LU469	8D	D56.00-D56.99	578	469	70	40	56.5	M6.0*24.6	25IP	○
SDT-8D-57.0-C40-LU477	8D	D57.00-D57.99	596	477	70	40	57.5	M6.0*24.6	25IP	○
SDT-8D-58.0-C40-LU485	8D	D58.00-D58.99	594	485	70	40	58.5	M6.0*24.6	25IP	○
SDT-8D-59.0-C40-LU493	8D	D59.00-D59.99	602	493	70	40	59.5	M6.0*24.6	25IP	○
SDT-8D-60.0-C40-LU501	8D	D60.00-D60.99	610	501	70	40	60.5	M6.0*24.6	25IP	○

SDT 10D Side lock type Crown drill bit SDT-10D



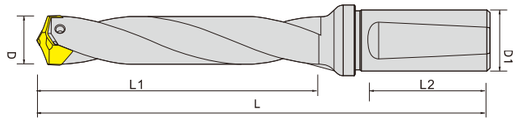


SDT 10D Side lock type Crown drill bit

(Specification)	(multiple)	(Effective scope)	(L1)	(L2)	(L3)	(D2)	(D3)	(Screw)	(Wrench)	(Stock)
SDT-10D-10.0-C16-LU107	10D	D10.00-D10.49	171	107	48	16	24	M2.0*9.5	6IP	○
SDT-10D-10.5-C16-LU107	10D	D10.50-D10.99	171	107	48	16	24	M2.0*9.5	6IP	○
SDT-10D-11.0-C16-LU117	10D	D11.00-D11.49	181	117	48	16	24	M2.0*9.5	6IP	○
SDT-10D-11.5-C16-LU117	10D	D11.50-D11.99	181	117	48	16	24	M2.0*9.5	6IP	○
SDT-10D-12.0-C16-LU127	10D	D12.00-D12.49	192	127	48	16	24	M2.5*10.9	7IP	○
SDT-10D-12.5-C16-LU127	10D	D12.50-D12.99	192	127	48	16	24	M2.5*10.9	7IP	○
SDT-10D-13.0-C16-LU137	10D	D13.00-D13.49	202	137	48	16	24	M2.5*10.9	7IP	○
SDT-10D-13.5-C16-LU137	10D	D13.50-D13.99	202	137	48	16	24	M2.5*10.9	7IP	○
SDT-10D-14.0-C20-LU147	10D	D14.00-D14.49	218	147	50	20	28	M3.0*12.8	8IP	○
SDT-10D-14.5-C20-LU147	10D	D14.50-D14.99	218	147	50	20	28	M3.0*12.8	8IP	○
SDT-10D-15.0-C20-LU157	10D	D15.00-D15.49	228	157	50	20	28	M3.0*12.8	8IP	○
SDT-10D-15.5-C20-LU157	10D	D15.50-D15.99	228	157	50	20	28	M3.0*12.8	8IP	○
SDT-10D-16.0-C20-LU168	10D	D16.00-D16.49	239	168	50	20	28	M3.0*12.8	8IP	○
SDT-10D-16.5-C20-LU168	10D	D16.50-D16.99	239	168	50	20	28	M3.0*12.8	8IP	○
SDT-10D-17.0-C20-LU179	10D	D17.00-D17.49	250	179	50	20	28	M3.0*12.8	8IP	○
SDT-10D-17.5-C20-LU179	10D	D17.50-D17.99	250	179	50	20	28	M3.0*12.8	8IP	○
SDT-10D-18.0-C20-LU189	10D	D18.00-D18.49	262	189	50	20	28	M4.0*16.7	15IP	○
SDT-10D-18.5-C20-LU189	10D	D18.50-D18.99	262	189	50	20	28	M4.0*16.7	15IP	○
SDT-10D-19.0-C20-LU200	10D	D19.00-D19.49	273	200	50	20	28	M4.0*16.7	15IP	○
SDT-10D-19.5-C20-LU200	10D	D19.50-D19.99	273	200	50	20	28	M4.0*16.7	15IP	○
SDT-10D-20.0-C25-LU212	10D	D20.00-D20.99	294	212	56	25	35	M4.0*16.7	15IP	○
SDT-10D-21.0-C25-LU222	10D	D21.00-D21.99	304	222	56	25	35	M4.0*16.7	15IP	○
SDT-10D-22.0-C25-LU233	10D	D22.00-D22.99	315	233	56	25	35	M4.0*16.7	15IP	○
SDT-10D-23.0-C25-LU243	10D	D23.00-D23.99	325	243	56	25	35	M4.0*16.7	15IP	○
SDT-10D-24.0-C25-LU254	10D	D24.00-D24.99	340	254	56	25	35	M5.0*22.6	20IP	○

SDT 10D Side lock type Crown drill bit SDT-10D



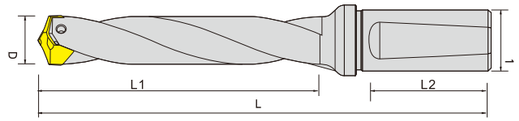


■ SDT 10D Side lock type Crown drill bit

(Specification)	(multiple)	(Effective scope)	(L1)	(L2)	(L3)	(D2)	(D3)	(Screw)	(Wrench)	(Stock)
SDT−10D−25.0−C32−LU264	10D	D25.00−D25.99	357	264	60	32	42	M5.0*22.6	20IP	○
SDT−10D−26.0−C32−LU274	10D	D26.00−D26.99	367	274	60	32	42	M5.0*22.6	20IP	○
SDT−10D−27.0−C32−LU285	10D	D27.00−D27.99	378	285	60	32	42	M5.0*22.6	20IP	○
SDT−10D−28.0−C32−LU295	10D	D28.00−D28.99	388	295	60	32	42	M5.0*22.6	20IP	○
SDT−10D−29.0−C32−LU306	10D	D29.00−D29.99	399	306	60	32	42	M5.0*22.6	20IP	○
SDT−10D−30.0−C32−LU316	10D	D30.00−D30.99	409	316	60	32	42	M5.0*22.6	20IP	○
SDT−10D−31.0−C32−LU326	10D	D31.00−D31.99	419	326	60	32	42	M5.0*22.6	20IP	○
SDT−10D−32.0−C32−LU337	10D	D32.00−D32.99	430	337	60	32	42	M5.0*22.6	20IP	○
SDT−10D−33.0−C32−LU350	10D	D33.00−D33.99	444	350	60	32	42	M6.0*24.6	20IP	○
SDT−10D−34.0−C32−LU361	10D	D34.00−D34.99	455	361	60	32	42	M6.0*24.6	25IP	○
SDT−10D−35.0−C32−LU371	10D	D35.00−D35.99	465	371	60	32	42	M6.0*24.6	25IP	○
SDT−10D−36.0−C32−LU381	10D	D36.00−D36.99	475	381	60	32	42	M6.0*24.6	25IP	○
SDT−10D−37.0−C32−LU390	10D	D37.00−D37.99	486	390	60	32	42	M6.0*24.6	25IP	○
SDT−10D−38.0−C32−LU400	10D	D38.00−D38.99	496	400	60	32	42	M6.0*24.6	25IP	○
SDT−10D−39.0−C32−LU411	10D	D39.00−D39.99	507	411	60	32	42	M6.0*24.6	25IP	○
SDT−10D−40.0−C40−LU418	10D	D40.00−D40.99	527	418	70	40	50	M6.0*24.6	25IP	○
SDT−10D−41.0−C40−LU428	10D	D41.00−D41.99	537	428	70	40	50	M6.0*24.6	25IP	○
SDT−10D−42.0−C40−LU441	10D	D42.00−D42.99	550	441	70	40	50	M6.0*24.6	25IP	○
SDT−10D−43.0−C40−LU451	10D	D43.00−D43.99	560	451	70	40	50	M6.0*24.6	25IP	○
SDT−10D−44.0−C40−LU461	10D	D44.00−D44.99	570	461	70	40	50	M6.0*24.6	25IP	○
SDT−10D−45.0−C40−LU471	10D	D45.00−D45.99	580	471	70	40	50	M6.0*24.6	25IP	○
SDT−10D−46.0−C40−LU481	10D	D46.00−D46.99	590	481	70	40	50	M6.0*24.6	25IP	○
SDT−10D−47.0−C40−LU491	10D	D47.00−D47.99	600	491	70	40	50	M6.0*24.6	25IP	○
SDT−10D−48.0−C40−LU501	10D	D48.00−D48.99	610	501	70	40	50	M6.0*24.6	25IP	○
SDT−10D−49.0−C40−LU511	10D	D49.00−D49.99	620	511	70	40	50	M6.0*24.6	25IP	○

SDT 10D Side lock type Crown drill bit SDT-10D





■ SDT 10D Side lock type Crown drill bit

(Specification)	(multiple)	(Effective scope)	(L1)	(L2)	(L3)	(D2)	(D3)	(Screw)	(Wrench)	(Stock)
SDT−10D−50.0−C40−LU521	8D	D50.00−D50.99	630	521	70	40	50.5	M6.0*24.6	25IP	○
SDT−10D−51.0−C40−LU531	8D	D51.00−D51.99	640	531	70	40	51.5	M6.0*24.6	25IP	○
SDT−10D−52.0−C40−LU541	8D	D52.00−D52.99	650	541	70	40	52.5	M6.0*24.6	25IP	○
SDT−10D−53.0−C40−LU551	8D	D53.00−D53.99	660	551	70	40	53.5	M6.0*24.6	25IP	○
SDT−10D−54.0−C40−LU561	8D	D54.00−D54.99	670	561	70	40	54.5	M6.0*24.6	25IP	○
SDT−10D−55.0−C40−LU571	8D	D55.00−D55.99	680	571	70	40	55.5	M6.0*24.6	25IP	○
SDT−10D−50.0−C40−LU581	8D	D56.00−D56.99	690	581	70	40	56.5	M6.0*24.6	25IP	○
SDT−10D−57.0−C40−LU591	8D	D57.00−D57.99	700	591	70	40	57.5	M6.0*24.6	25IP	○
SDT−10D−58.0−C40−LU601	8D	D58.00−D58.99	710	601	70	40	58.5	M6.0*24.6	25IP	○
SDT−10D−59.0−C40−LU611	8D	D59.00−D59.99	720	611	70	40	59.5	M6.0*24.6	25IP	○
SDT−10D−60.0−C40−LU621	8D	D60.00−D60.99	730	621	70	40	60.5	M6.0*24.6	25IP	○

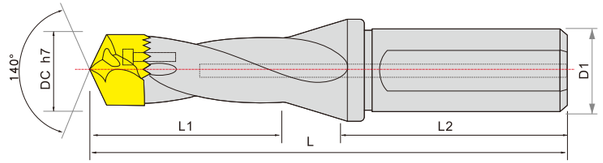
SMD skull trephine

SMD



SMD 1.5DMulti purpose crown bit SMD-1.5D



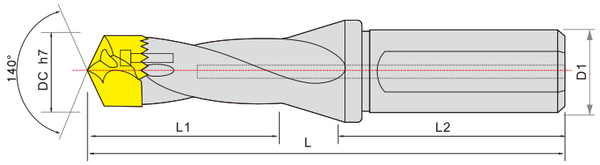


■ SMD 1.5D Multi purpose crown bit

(Dc h7)	(Multiple)	(Specification)	(L1)	(L)	L2 D1	(Screw)	(Blade)	(Wrench)		(Price)	(Stock)
D12.0-D12.4	1.5D	SMD-1.5D-028-C16(12.0)	28	91	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	420	●
D12.5-D12.9	1.5D	SMD-1.5D-028-C16(12.5)	28	91	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	420	●
D13.0-D13.4	1.5D	SMD-1.5D-030-C16	30	92	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	420	●
D13.5-D14.5	1.5D	SMD-1.5D-034-C16	34	97	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	420	●
D14.6-D15.5	1.5D	SMD-1.5D-035-C20	35	100	50/20	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M10*1.0	420	●
D15.6-D16.5	1.5D	SMD-1.5D-038-C20	38	102	50/20	MTL/MEL	BXD02509IP (M2.5X9.0XD4.1)	TRDR10IP (T8)	M10*1.0	460	●
D16.6-D17.5	1.5D	SMD-1.5D-038-C20	39	104	50/20	MTL/MEL	BXD02509IP (M2.5X9.0XD4.1)	TRDR10IP (T8)	M10*1.0	470	●
D17.6-D18.5	1.5D	SMD-1.5D-043-C20	43	107	50/20	MTL/MEL	BXD02509IP (M2.5X9.0XD4.1)	TRDR10IP (T8)	M10*1.0	495	●
D18.6-D19.5	1.5D	SMD-1.5D-044-C25	44	116	56/25	MTL/MEL	BXD03011IP (M3.0X10.5XD4.88)	TRDR15IP (T8)	M10*1.0	518	●
D19.6-D20.5	1.5D	SMD-1.5D-047-C25	47	118	56/25	MTL/MEL	BXD03011IP (M3.0X10.5XD4.88)	TRDR15IP (T8)	M10*1.0	544	●
D20.6-D21.5	1.5D	SMD-1.5D-048-C25	48	120	56/25	MTL/MEL	BXD03011IP (M3.0X10.5XD4.88)	TRDR15IP (T8)	M10*1.0	570	●
D21.6-D22.8	1.5D	SMD-1.5D-051-C25	51	123	56/25	MTL/MEL	BXD03512IP (M3.5X11.5XD5.5)	TRDR15IP (T8)	M10*1.0	588	●
D22.9-D23.8	1.5D	SMD-1.5D-051-C25	51	123	56/25	MTL/MEL	BXD03512IP (M3.5X11.5XD5.5)	TRDR15IP (T8)	M10*1.0	604	●
D23.9-D24.8	1.5D	SMD-1.5D-054-C32	54	132	60/32	MTL/MEL	BXD03512IP (M3.5X11.5XD5.5)	TRDR15IP (T8)	M10*1.0	623	●
D24.9-D25.8	1.5D	SMD1.5D-054-C32	54	131	60/32	MTL/MEL	BXD04014IP (M4.0X12.4XD6)	TRDR20IP (T15)	M10*1.0	644	●
D25.9-D26.8	1.5D	SMD-1.5D-057-C32	57	135	60/32	MTL/MEL	BXD04014IP (M4.0X12.4XD6)	TRDR20IP (T15)	M10*1.0	660	●
D26.9-D27.8	1.5D	SMD-1.5D-058-C32	58	135	60/32	MTL/MEL	BXD04014IP (M4.0X12.4XD6)	TRDR20IP (T15)	M10*1.0	680	●
D27.9-D28.8	1.5D	SMD-1.5D-060-C32	60	138	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	700	●
D28.9-D29.8	1.5D	SMD-1.5D-061-C32	61	138	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	722	●
D29.9-D30.8	1.5D	SMD-1.5D-064-C32	64	142	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	742	●
D31.0-D32.0	1.5D	SMD-1.5D-066-C32	66	157	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	800	●

SMD 3DMulti purpose crown bit SMD-3D



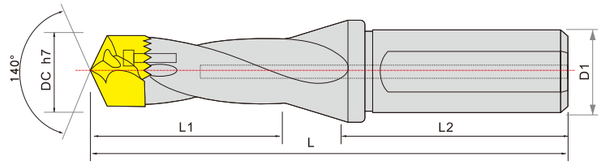


■ SMD 3D Multi purpose crown bit

(Dc h7)	(Multiple)	(Specification)	(L1)	(L)	L2 D1	(Screw)	(Blade)	(Wrench)		(Price)	(Stock)
D12.0–D12.4	3D	SMD–3D–046–C16(12.0)	46	108	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	460	●
D12.5–D12.9	3D	SMD–3D–046–C16(12.5)	46	109	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	460	●
D13.0–D13.4	3D	SMD–3D–049–C16	49	112	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	460	●
D13.5–D14.5	3D	SMD–3D–055–C16	55	119	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	460	●
D14.6–D15.5	3D	SMD–3D–058–C20	58	128	50/20	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M10*1.0	460	●
D15.6–D16.5	3D	SMD–3D–062–C20	62	134	50/20	MTL/MEL	BXD02509IP (M2.5X9.0XD4.1)	TRDR10IP (T8)	M10*1.0	520	●
D16.6–D17.5	3D	SMD–3D–066–C20	66	140	50/20	MTL/MEL	BXD02509IP (M2.5X9.0XD4.1)	TRDR10IP (T8)	M10*1.0	560	●
D17.6–D18.5	3D	SMD–3D–070–C20	70	143	50/20	MTL/MEL	BXD02509IP (M2.5X9.0XD4.1)	TRDR10IP (T8)	M10*1.0	590	●
D18.6–D19.5	3D	SMD–3D–073–C25	73	157	56/25	MTL/MEL	BXD03011IP (M3.0X10.5XD4.88)	TRDR15IP (T8)	M10*1.0	620	●
D19.6–D20.5	3D	SMD–3D–077–C25	77	160	56/25	MTL/MEL	BXD03011IP (M3.0X10.5XD4.88)	TRDR15IP (T8)	M10*1.0	650	●
D20.6–D21.5	3D	SMD–3D–080–C25	80	160	56/25	MTL/MEL	BXD03011IP (M3.0X10.5XD4.88)	TRDR15IP (T8)	M10*1.0	680	●
D21.6–D22.8	3D	SMD–3D–084–C25	84	165	56/25	MTL/MEL	BXD03512IP (M3.5X11.5XD5.5)	TRDR15IP (T8)	M10*1.0	700	●
D22.9–D23.8	3D	SMD–3D–087–C25	87	165	56/25	MTL/MEL	BXD03512IP (M3.5X11.5XD5.5)	TRDR15IP (T8)	M10*1.0	725	●
D23.9–D24.8	3D	SMD–3D–091–C32	91	175	60/32	MTL/MEL	BXD03512IP (M3.5X11.5XD5.5)	TRDR15IP (T8)	M10*1.0	745	●
D24.9–D25.8	3D	SMD–3D–093–C32	93	176	60/32	MTL/MEL	BXD04014IP (M4.0X12.4XD6)	TRDR20IP (T15)	M10*1.0	772	●
D25.9–D26.8	3D	SMD–3D–097–C32	97	180	60/32	MTL/MEL	BXD04014IP (M4.0X12.4XD6)	TRDR20IP (T15)	M10*1.0	790	●
D26.9–D27.8	3D	SMD–3D–099–C32	99	182	60/32	MTL/MEL	BXD04014IP (M4.0X12.4XD6)	TRDR20IP (T15)	M10*1.0	815	●
D27.9–D28.8	3D	SMD–3D–102–C32	102	185	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	840	●
D28.9–D29.8	3D	SMD–3D–105–C32	105	188	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	865	●
D29.9–D30.8	3D	SMD–3D–110–C32	110	193	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	890	●
D31.0–D32.0	3D	SMD–3D–116–C32	116	201	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	960	●

SMD 5DMulti purpose crown bit SMD-5D



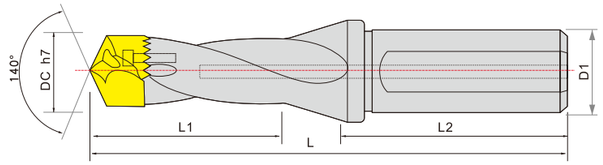


■ SMD 5D Multi purpose crown bit

(Dc h7)	(Multiple)	(Specification)	(L1)	(L)	L2 D1	(Screw)	(Blade)	(Wrench)		(Price)	(Stock)
D12.0–D12.4	5D	SMD–5D–071–C16(12.0)	71	134	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	527	●
D12.5–D12.9	5D	SMD–5D–071–C16(12.5)	71	134	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	527	●
D13.0–D13.4	5D	SMD–5D–076–C16	76	142	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	527	●
D13.5–D14.5	5D	SMD–5D–084–C16	84	149	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	527	●
D14.6–D15.5	5D	SMD–5D–089–C20	89	159	50/20	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M10*1.0	527	●
D15.6–D16.5	5D	SMD–5D–095–C20	95	169	50/20	MTL/MEL	BXD02509IP (M2.5X9.0XD4.1)	TRDR10IP (T8)	M10*1.0	590	●
D16.6–D17.5	5D	SMD–5D–101–C20	101	175	50/20	MTL/MEL	BXD02509IP (M2.5X9.0XD4.1)	TRDR10IP (T8)	M10*1.0	620	●
D17.6–D18.5	5D	SMD–5D–107–C20	107	180	50/20	MTL/MEL	BXD02509IP (M2.5X9.0XD4.1)	TRDR10IP (T8)	M10*1.0	650	●
D18.6–D19.5	5D	SMD–5D–112–C25	112	195	56/25	MTL/MEL	BXD03011IP (M3.0X10.5XD4.88)	TRDR15IP (T8)	M10*1.0	682	●
D19.6–D20.5	5D	SMD–5D–118–C25	118	200	56/25	MTL/MEL	BXD03011IP (M3.0X10.5XD4.88)	TRDR15IP (T8)	M10*1.0	716	●
D20.6–D21.5	5D	SMD–5D–123–C25	123	200	56/25	MTL/MEL	BXD03011IP (M3.0X10.5XD4.88)	TRDR15IP (T8)	M10*1.0	752	●
D21.6–D22.8	5D	SMD–5D–129–C25	129	205	56/25	MTL/MEL	BXD03512IP (M3.5X11.5XD5.5)	TRDR15IP (T8)	M10*1.0	775	●
D22.9–D23.8	5D	SMD–5D–134–C25	134	215	56/25	MTL/MEL	BXD03512IP (M3.5X11.5XD5.5)	TRDR15IP (T8)	M10*1.0	797	●
D23.9–D24.8	5D	SMD–5D–140–C32	140	225	60/32	MTL/MEL	BXD03512IP (M3.5X11.5XD5.5)	TRDR15IP (T8)	M10*1.0	822	●
D24.9–D25.8	5D	SMD–5D–145–C32	145	230	60/32	MTL/MEL	BXD04014IP (M4.0X12.4XD6)	TRDR20IP (T15)	M10*1.0	846	●
D25.9–D26.8	5D	SMD–5D–151–C32	151	235	60/32	MTL/MEL	BXD04014IP (M4.0X12.4XD6)	TRDR20IP (T15)	M10*1.0	887	●
D26.9–D27.8	5D	SMD–5D–156–C32	156	240	60/32	MTL/MEL	BXD04014IP (M4.0X12.4XD6)	TRDR20IP (T15)	M10*1.0	898	●
D27.9–D28.8	5D	SMD–5D–162–C32	162	245	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	925	●
D28.9–D29.8	5D	SMD–5D–167–C32	167	250	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	953	●
D29.9–D30.8	5D	SMD–5D–173–C32	173	261	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	982	●
D31.0–D32.0	5D	SMD–5D–181–C32	181	266	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	1073	●

SMD 8DMulti purpose crown bit SMD-8D



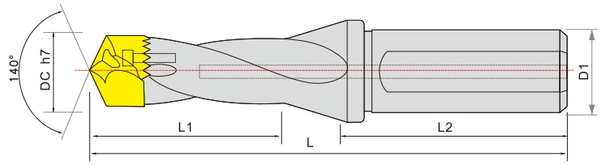


SMD 8D Multi purpose crown bit

(Dc h7)	(Multiple)	(Specification)	(L1)	(L)	L2 D1	(Screw)	(Blade)	(Wrench)		(Price)	(Stock)
D12.0–D12.4	8D	SMD–8D–098–C16(12.0)	98	164	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	680	●
D12.5–D12.9	8D	SMD–8D–102–C16(12.5)	102	166	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	680	●
D13.0–D13.4	8D	SMD–8D–106–C16	106	170	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	680	●
D13.5–D14.5	8D	SMD–8D–127–C16	127	194	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	680	●
D14.6–D15.5	8D	SMD–8D–136–C20	136	204	50/20	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M10*1.0	680	●
D15.6–D16.5	8D	SMD–8D–144–C20	144	214	50/20	MTL/MEL	BXD02509IP (M2.5X9.0XD4.1)	TRDR10IP (T8)	M10*1.0	770	●
D16.6–D17.5	8D	SMD–8D–154–C20	154	225	50/20	MTL/MEL	BXD02509IP (M2.5X9.0XD4.1)	TRDR10IP (T8)	M10*1.0	806	●
D17.6–D18.5	8D	SMD–8D–162–C20	162	230	50/20	MTL/MEL	BXD02509IP (M2.5X9.0XD4.1)	TRDR10IP (T8)	M10*1.0	850	●
D18.6–D19.5	8D	SMD–8D–171–C25	171	255	56/25	MTL/MEL	BXD03011IP (M3.0X10.5XD4.88)	TRDR15IP (T8)	M10*1.0	888	●
D19.6–D20.5	8D	SMD–8D–179–C25	179	262	56/25	MTL/MEL	BXD03011IP (M3.0X10.5XD4.88)	TRDR15IP (T8)	M10*1.0	930	●
D20.6–D21.5	8D	SMD–8D–188–C25	188	266	56/25	MTL/MEL	BXD03011IP (M3.0X10.5XD4.88)	TRDR15IP (T8)	M10*1.0	980	●
D21.6–D22.8	8D	SMD–8D–196–C25	196	275	56/25	MTL/MEL	BXD03512IP (M3.5X11.5XD5.5)	TRDR15IP (T8)	M10*1.0	1000	●
D22.9–D23.8	8D	SMD–8D–205–C25	205	285	56/25	MTL/MEL	BXD03512IP (M3.5X11.5XD5.5)	TRDR15IP (T8)	M10*1.0	1040	●
D23.9–D24.8	8D	SMD–8D–213–C32	213	300	60/32	MTL/MEL	BXD03512IP (M3.5X11.5XD5.5)	TRDR15IP (T8)	M10*1.0	1060	●
D24.9–D25.8	8D	SMD–8D–222–C32	222	305	60/32	MTL/MEL	BXD04014IP (M4.0X12.4XD6)	TRDR20IP (T15)	M10*1.0	1100	●
D25.9–D26.8	8D	SMD–8D–230–C32	230	315	60/32	MTL/MEL	BXD04014IP (M4.0X12.4XD6)	TRDR20IP (T15)	M10*1.0	1130	●
D26.9–D27.8	8D	SMD–8D–239–C32	239	325	60/32	MTL/MEL	BXD04014IP (M4.0X12.4XD6)	TRDR20IP (T15)	M10*1.0	1165	●
D27.9–D28.8	8D	SMD–8D–247–C32	247	330	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	1200	●
D28.9–D29.8	8D	SMD–8D–256–C32	256	340	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	1270	●
D29.9–D30.8	8D	SMD–8D–265–C32	265	351	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	1270	●
D31.0–D32.0	8D	SMD–8D–276–C32	276	361	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	1400	●

SMD 10DMulti purpose crown bit SMD-10D



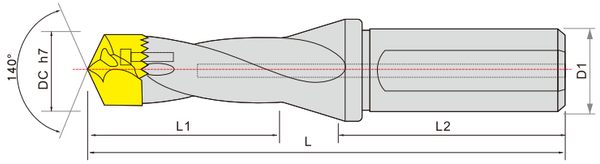


SMD 10D Multi purpose crown bit

(Dc h7)	(Multiple)	(Specification)	(L1)	(L)	L2 D1	(Screw)	(Blade)	(Wrench)		(Price)	(Stock)
D12.0–D12.4	10D	SMD–10D–133–C16(12.0)	133	200	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	1100	●
D12.5–D12.9	10D	SMD–10D–138–C16(12.5)	138	205	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	1100	●
D13.0–D13.4	10D	SMD–10D–143–C16	143	211	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	1120	●
D13.5–D14.5	10D	SMD–10D–156–C16	156	225	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	1132	●
D14.6–D15.5	10D	SMD–10D–167–C20	167	238	50/20	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M10*1.0	1150	●
D15.6–D16.5	10D	SMD–10D–178–C20	178	249	50/20	MTL/MEL	BXD02509IP (M2.5X9.0XD4.1)	TRDR10IP (T8)	M10*1.0	1230	●
D16.6–D17.5	10D	SMD–10D–189–C20	189	260	50/20	MTL/MEL	BXD02509IP (M2.5X9.0XD4.1)	TRDR10IP (T8)	M10*1.0	1360	●
D17.6–D18.5	10D	SMD–10D–199–C20	199	270	50/20	MTL/MEL	BXD02509IP (M2.5X9.0XD4.1)	TRDR10IP (T8)	M10*1.0	1420	●
D18.6–D19.5	10D	SMD–10D–210–C25	210	288	56/25	MTL/MEL	BXD03011IP (M3.0X10.5XD4.88)	TRDR15IP (T8)	M10*1.0	1500	●
D19.6–D20.5	10D	SMD–10D–220–C25	220	298	56/25	MTL/MEL	BXD03011IP (M3.0X10.5XD4.88)	TRDR15IP (T8)	M10*1.0	1530	●
D20.6–D21.5	10D	SMD–10D–230–C25	230	309	56/25	MTL/MEL	BXD03011IP (M3.0X10.5XD4.88)	TRDR15IP (T8)	M10*1.0	1620	●
D21.6–D22.8	10D	SMD–10D–244–C25	244	323	56/25	MTL/MEL	BXD03512IP (M3.5X11.5XD5.5)	TRDR15IP (T8)	M10*1.0	1700	●
D22.9–D23.8	10D	SMD–10D–253–C25	253	332	56/25	MTL/MEL	BXD03512IP (M3.5X11.5XD5.5)	TRDR15IP (T8)	M10*1.0	1750	●
D23.9–D24.8	10D	SMD–10D–265–C32	265	349	60/32	MTL/MEL	BXD03512IP (M3.5X11.5XD5.5)	TRDR15IP (T8)	M10*1.0	1800	●
D24.9–D25.8	10D	SMD–10D–270–C32	270	353	60/32	MTL/MEL	BXD04014IP (M4.0X12.4XD6)	TRDR20IP (T15)	M10*1.0	1860	●
D25.9–D26.8	10D	SMD–10D–285–C32	285	370	60/32	MTL/MEL	BXD04014IP (M4.0X12.4XD6)	TRDR20IP (T15)	M10*1.0	1910	●
D26.9–D27.8	10D	SMD–10D–295–C32	295	379	60/32	MTL/MEL	BXD04014IP (M4.0X12.4XD6)	TRDR20IP (T15)	M10*1.0	1962	●
D27.9–D28.8	10D	SMD–10D–306–C32	306	391	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	2000	●
D28.9–D29.8	10D	SMD–10D–316–C32	316	401	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	2080	●
D29.9–D30.8	10D	SMD–10D–328–C32	328	413	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	2100	●
D31.0–D32.0	10D	SMD–10D–346–C32	346	434	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	2366	●

SMD 12DMulti purpose crown bit SMD-12D



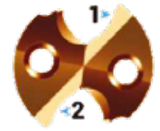


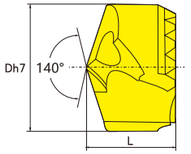
SMD 12D Multi purpose crown bit

(Dc h7)	(Multiple)	(Specification)	(L1)	(L)	L2 D1	(Screw)	(Blade)	(Wrench)		(Price)	(Stock)
D12.0-D12.4	12D	SMD-12D-146-C16(12.0)	146	213	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	1745	●
D12.5-D12.9	12D	SMD-12D-152-C16(12.5)	152	219	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	1745	●
D13.0-D13.4	12D	SMD-12D-158-C16	158	226	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	1745	●
D13.5-D14.5	12D	SMD-12D-170-C16	171	239	48/16	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M8*1.0	1745	●
D14.6-D15.5	12D	SMD-12D-182-C20	183	253	50/20	MTL/MEL	BXD02208IP (M2.2X7.5XD3.5)	TRDR08IP (T6)	M10*1.0	1955	●
D15.6-D16.5	12D	SMD-12D-195-C20	195	266	50/20	MTL/MEL	BXD02509IP (M2.5X9.0XD4.1)	TRDR10IP (T8)	M10*1.0	2050	●
D16.6-D17.5	12D	SMD-12D-207-C20	207	278	50/20	MTL/MEL	BXD02509IP (M2.5X9.0XD4.1)	TRDR10IP (T8)	M10*1.0	2156	●
D17.6-D18.5	12D	SMD-12D-219-C20	219	290	50/20	MTL/MEL	BXD02509IP (M2.5X9.0XD4.1)	TRDR10IP (T8)	M10*1.0	2264	●
D18.6-D19.5	12D	SMD-12D-231-C25	232	309	56/25	MTL/MEL	BXD03011IP (M3.0X10.5XD4.88)	TRDR15IP (T8)	M10*1.0	2374	●
D19.6-D20.5	12D	SMD-12D-243-C25	244	321	56/25	MTL/MEL	BXD03011IP (M3.0X10.5XD4.88)	TRDR15IP (T8)	M10*1.0	2492	●
D20.6-D21.5	12D	SMD-12D-255-C25	256	334	56/25	MTL/MEL	BXD03011IP (M3.0X10.5XD4.88)	TRDR15IP (T8)	M10*1.0	2566	●
D21.6-D22.8	12D	SMD-12D-268-C25	268	347	56/25	MTL/MEL	BXD03512IP (M3.5X11.5XD5.5)	TRDR15IP (T8)	M10*1.0	2642	●
D22.9-D23.8	12D	SMD-12D-280-C25	280	359	56/25	MTL/MEL	BXD03512IP (M3.5X11.5XD5.5)	TRDR15IP (T8)	M10*1.0	2720	●
D23.9-D24.8	12D	SMD-12D-292-C32	292	376	60/32	MTL/MEL	BXD03512IP (M3.5X11.5XD5.5)	TRDR15IP (T8)	M10*1.0	2802	●
D24.9-D25.8	12D	SMD-12D-300-C32	305	388	60/32	MTL/MEL	BXD04014IP (M4.0X12.4XD6)	TRDR20IP (T15)	M10*1.0	2885	●
D25.9-D26.8	12D	SMD-12D-316-C32	316	401	60/32	MTL/MEL	BXD04014IP (M4.0X12.4XD6)	TRDR20IP (T15)	M10*1.0	2967	●
D26.9-D27.8	12D	SMD-12D-329-C32	329	413	60/32	MTL/MEL	BXD04014IP (M4.0X12.4XD6)	TRDR20IP (T15)	M10*1.0	3056	●
D27.9-D28.8	12D	SMD-12D-341-C32	341	426	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	3148	●
D28.9-D29.8	12D	SMD-12D-353-C32	353	438	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	3245	●
D29.9-D30.8	12D	SMD-12D-365-C32	365	451	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	3580	●
D31.0-D32.0	12D	SMD-12D-384-C32	384	472	60/32	MTL/MEL	BXD04515IP (M4.5X15XD6.8)	TRDR25IP (T20)	M10*1.0	3620	●

SMD Multi purpose crown bit SMD







SMD Multi purpose crown bit

Model No	MTL/MEL/MPS		_ _ .MTL/MEL/MPS	
	ACX70/80	(Stock)	ACX70/80	(Stock)
D12.0-D12.5	SMDT1200/SMDT1250	●	TCEA-1200/1250	●
D13.0-D13.5	SMDT1300/SMDT1350	●	TCEA-1300/1350	●
D14.0-D14.5	SMDT1400/SMDT1450	●	TCEA-1400/1450	●
D15.0-D15.5	SMDT1500/SMDT1550	●	TCEA-1500/1550	●
D16.0-D16.5	SMDT1600/SMDT1650	●	TCEA-1600/1650	●
D17.0-D17.5	SMDT1700/SMDT1750	●	TCEA-1700/1750	●
D18.0-D18.5	SMDT1800/SMDT1850	●	TCEA-1800/1850	●
D19.0-D19.5	SMDT1900/SMDT1950	●	TCEA-1900/1950	●
D20.0-D20.5	SMDT2000/SMDT2050	●	TCEA-2000/2050	●
D21.0-D21.5	SMDT2100/SMDT2150	●	TCEA-2100/2150	●
D22.0-D22.5	SMDT2200/SMDT2250	●	TCEA-2200/2250	●
D23.0-D23.5	SMDT2300/SMDT2350	●	TCEA-2300/2350	●
D24.0-D24.5	SMDT2400/SMDT2450	●	TCEA-2400/2450	●
D25.0-D25.5	SMDT2500/SMDT2550	●	TCEA-2500/2550	●
D26.0-D26.5	SMDT2600/SMDT2650	●	TCEA-2600/2650	●
D27.0-D27.5	SMDT2700/SMDT2750	●	TCEA-2700/2750	●
D28.0-D28.5	SMDT2800/SMDT2850	●	TCEA-2800/2850	●
D29.0-D29.5	SMDT2900/SMDT2950	●	TCEA-2900/2950	●
D30.0-D30.5	SMDT3000/SMDT3050	●	TCEA-3000/3050	●
D31.0-D31.5	SMDT3100/SMDT3150	○	TCEA-3100/3150	●
D32.0-D32.5	SMDT3200/SMDT3250	○	TCEA-3200/3250	●
D33.0-D33.5	SMDT3300/SMDT3350	○	MTL/MEL/MPS	
D34.0-D34.5	SMDT3400/SMDT3450	○		
D35.0-D35.5	SMDT3500/SMDT3550	○		
D36.0-D36.5	SMDT3600/SMDT3650	○		
D37.0-D37.5	SMDT3700/SMDT3750	○		
D38.0-D38.5	SMDT3800/SMDT3850	○		
D39.0-D39.5	SMDT3900/SMDT3950	○		
D40.0-D40.5	SMDT4000/SMDT4050	○		
D41.0-D00.0	SMDT4100/SMDTO000	○		
D42.0-D00.0	SMDT4200/SMDTO000	○		

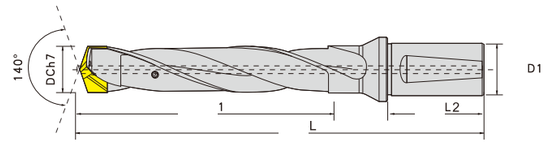
EMD Rear locking crown drill bit

EMD



EMD-1D Rear locking crown drill bit EMD-1D

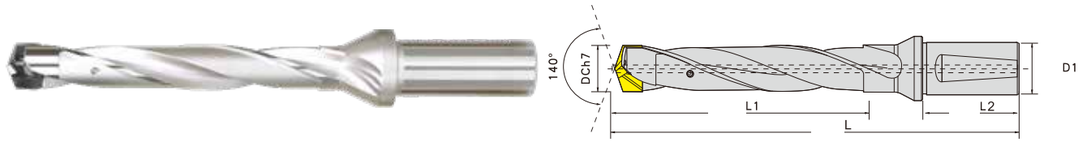




■ EMD-1D Rear locking crown drill bit

(Dc h7)	(Multiple)	(Specification)		(L1)	(L)	L2 D1	(Blade)	(Wrench)		(Price)	(Stock)
D12.50-D13.50	1D	EMD125R1WN16M-LU14	C	14	78	48/16	M2.5/M2.5*14	T5*156	M8*1.0	530	●
D13.51-D14.50	1D	EMD136R1WN16M-LU15	B	15	81	48/16	M3.0/M2.5*14	T6*156	M8*1.0	530	●
D14.51-D15.87	1D	EMD146R1WN20M-LU16	A	16	85	50/20	M3.0/M2.5*14	T6*156	M10*1.0	610	●
D16.00-D18.00	1D	EMD160R1WN20M-LU18	1	18	88	50/20	M3.5/M2.5*16	H1.5*185	M10*1.0	710	●
D18.01-D19.99	1D	EMD181R1WN25M-LU20	2	20	99	56/25	M3.5/M3*16	H1.5*185	M10*1.0	710	●
D20.00-D22.00	1D	EMD200R1WN25M-LU22	3	22	102	56/25	M4.0/M3.0*19	H2.0*210	M10*1.0	910	●
D22.01-D24.00	1D	EMD221R1WN25M-LU24	4	24	107	56/25	M4.0/M3.0*19	H2.0*210	M10*1.0	980	●
D24.01-D26.00	1D	EMD241R1WN32M-LU26	5	26	115	60/32	M5.0/M4.0*23	H2.5*240	M10*1.0	1030	●
D26.01-D28.00	1D	EMD261R1WN32M-LU28	6	28	119	60/32	M5.0/M4.0*23	H2.5*240	M10*1.0	1110	●
D28.01-D30.00	1D	EMD281R1WN32M-LU30	7	30	123	60/32	M6.0/M5.0*28	H3.0*265	M10*1.0	1160	●
D30.01-D32.00	1D	EMD301R1WN32M-LU32	8	32	127	60/32	M6.0/M5.0*28	H3.0*265	M10*1.0	1310	●
D32.01-D36.00	1D	EMD321R1WN40M-LU36	9	36	147	68/40	M6.0/M6.0*32	H3.0*265	M10*1.0	1490	●
D36.00-D40.00	1D	EMD361R1WN40M-LU40	10	40	155	68/40	M6.0/M6.0*32	H3.0*265	M10*1.0	1590	●

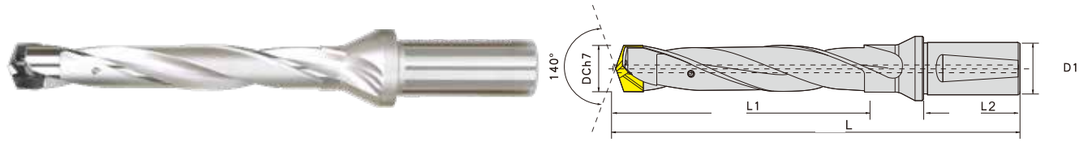
EMD-3D Rear locking crown drill bit EMD-3D



■ EMD-3D Rear locking crown drill bit

(Dc h7)	(Multiple)	(Specification)		(L1)	(L)	L2 D1	(Blade)	(Wrench)		(Price)	(Stock)
D12.50-D13.00	3D	EMD125R3WN16M-LU42	C	42	111	48/16	M2.5/M2.5*14	T5*156	M8*1.0	650	●
D13.00-D13.50	3D	EMD130R3WN16M-LU42	C	42	111	48/16	M2.5/M2.5*14	T5*156	M8*1.0	650	●
D13.51-D14.00	3D	EMD136R3WN16M-LU42	B	42	111	48/16	M3.0/M2.5*14	T6*156	M8*1.0	650	●
D14.00-D14.50	3D	EMD140R3WN16M-LU42	B	42	111	48/16	M3.0/M2.5*14	T6*156	M8*1.0	730	●
D14.51-D15.00	3D	EMD146R3WN20M-LU48	A	48	122	50/20	M3.0/M2.5*14	T6*156	M10*1.0	730	●
D15.00-D15.50	3D	EMD150R3WN20M-LU48	A	48	122	50/20	M3.0/M2.5*14	T6*156	M10*1.0	730	●
D15.50-D15.87	3D	EMD155R3WN20M-LU48	A	48	122	50/20	M3.0/M2.5*14	T6*156	M10*1.0	730	●
D16.00-D16.50	3D	EMD160R3WN20M-LU48	1	48	122	50/20	M3.5/M2.5*16	H1.5*185	M10*1.0	830	●
D16.50-D17.00	3D	EMD165R3WN20M-LU54	1	54	130	50/20	M3.5/M2.5*16	H1.5*185	M10*1.0	830	●
D17.00-D17.50	3D	EMD170R3WN20M-LU54	1	54	130	50/20	M3.5/M2.5*16	H1.5*185	M10*1.0	830	●
D17.50-D18.00	3D	EMD175R3WN20M-LU54	1	54	130	50/20	M3.5/M2.5*16	H1.5*185	M10*1.0	830	●
D18.01-D18.50	3D	EMD181R3WN25M-LU60	2	60	144	56/25	M3.5/M3*16	H1.5*185	M10*1.0	930	●
D18.50-D19.00	3D	EMD185R3WN25M-LU60	2	60	144	56/25	M3.5/M3*16	H1.5*185	M10*1.0	930	●
D19.00-D19.50	3D	EMD190R3WN25M-LU60	2	60	144	56/25	M3.5/M3*16	H1.5*185	M10*1.0	930	●
D19.50-D19.99	3D	EMD195R3WN25M-LU60	2	60	144	56/25	M3.5/M3*16	H1.5*185	M10*1.0	930	●
D20.00-D20.50	3D	EMD200R3WN25M-LU60	3	60	153	56/25	M4.0/M3.0*19	H2.0*210	M10*1.0	1030	●
D20.50-D21.00	3D	EMD205R3WN25M-LU66	3	66	153	56/25	M4.0/M3.0*19	H2.0*210	M10*1.0	1030	●
D21.00-D21.50	3D	EMD210R3WN25M-LU66	3	66	153	56/25	M4.0/M3.0*19	H2.0*210	M10*1.0	1030	●
D21.50-D22.00	3D	EMD215R3WN25M-LU66	3	66	153	56/25	M4.0/M3.0*19	H2.0*210	M10*1.0	1030	●
D22.01-D22.50	3D	EMD221R3WN25M-LU72	4	72	161	56/25	M4.0/M3.0*19	H2.0*210	M10*1.0	1100	●
D22.50-D23.00	3D	EMD225R3WN25M-LU72	4	72	161	56/25	M4.0/M3.0*19	H2.0*210	M10*1.0	1100	●
D23.00-D23.50	3D	EMD230R3WN25M-LU72	4	72	161	56/25	M4.0/M3.0*19	H2.0*210	M10*1.0	1100	●
D23.50-D24.00	3D	EMD235R3WN25M-LU72	4	72	161	56/25	M4.0/M3.0*19	H2.0*210	M10*1.0	1100	●
D24.01-D24.50	3D	EMD241R3WN32M-LU78	5	78	174	60/32	M5.0/M4.0*23	H2.5*240	M10*1.0	1150	●
D24.50-D25.00	3D	EMD245R3WN32M-LU78	5	78	174	60/32	M5.0/M4.0*23	H2.5*240	M10*1.0	1150	●

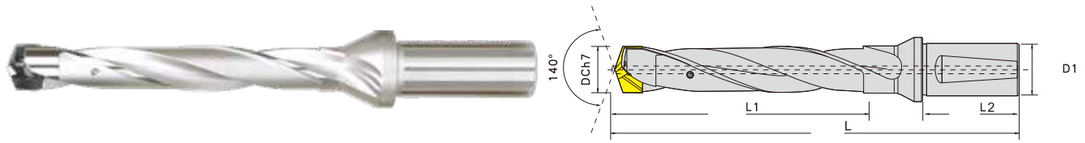
EMD-3D Rear locking crown drill bit EMD-3D



■ EMD-3D Rear locking crown drill bit

(Dc h7)	(Multiple)	(Specification)		(L1)	(L)	L2 D1	(Blade)	(Wrench)		(Price)	(Stock)
D25.00-D25.50	3D	EMD250R3WN32M-LU78	5	78	174	60/32	M5.0/M4.0*23	H2.5*240	M10*1.0	1150	●
D25.50-D26.00	3D	EMD255R3WN32M-LU78	5	78	174	60/32	M5.0/M4.0*23	H2.5*240	M10*1.0	1150	●
D26.01-D26.50	3D	EMD261R3WN32M-LU84	6	84	182	60/32	M5.0/M4.0*23	H2.5*240	M10*1.0	1230	●
D26.50-D27.00	3D	EMD265R3WN32M-LU84	6	84	182	60/32	M5.0/M4.0*23	H2.5*240	M10*1.0	1230	●
D27.00-D27.50	3D	EMD270R3WN32M-LU84	6	84	182	60/32	M5.0/M4.0*23	H2.5*240	M10*1.0	1230	●
D27.50-D28.00	3D	EMD275R3WN32M-LU84	6	84	182	60/32	M5.0/M4.0*23	H2.5*240	M10*1.0	1230	●
D28.01-D28.50	3D	EMD281R3WN32M-LU90	7	90	190	60/32	M6.0/M5.0*28	H3.0*265	M10*1.0	1280	●
D28.50-D29.00	3D	EMD285R3WN32M-LU90	7	90	190	60/32	M6.0/M5.0*28	H3.0*265	M10*1.0	1280	●
D29.00-D29.50	3D	EMD290R3WN32M-LU90	7	90	190	60/32	M6.0/M5.0*28	H3.0*265	M10*1.0	1280	●
D29.50-D30.00	3D	EMD295R3WN32M-LU90	7	90	190	60/32	M6.0/M5.0*28	H3.0*265	M10*1.0	1280	●
D30.01-D30.50	3D	EMD301R3WN32M-LU96	8	96	200	60/32	M6.0/M5.0*28	H3.0*265	M10*1.0	1430	●
D30.50-D31.00	3D	EMD305R3WN32M-LU96	8	96	200	60/32	M6.0/M5.0*28	H3.0*265	M10*1.0	1430	●
D31.00-D31.50	3D	EMD310R3WN32M-LU96	8	96	200	60/32	M6.0/M5.0*28	H3.0*265	M10*1.0	1430	●
D31.50-D32.00	3D	EMD315R3WN32M-LU96	8	96	200	60/32	M6.0/M5.0*28	H3.0*265	M10*1.0	1430	●
D32.01-D33.00	3D	EMD321R3WN40M-LU99	9	99	220	68/40	M6.0/M6.0*32	H3.0*265	M10*1.0	1610	●
D33.00-D34.00	3D	EMD330R3WN40M-LU99	9	99	227	68/40	M6.0/M6.0*32	H3.0*265	M10*1.0	1610	●
D34.00-D35.00	3D	EMD340R3WN40M-LU102	9	102	225	68/40	M6.0/M6.0*32	H3.0*265	M10*1.0	1610	●
D35.00-D36.00	3D	EMD350R3WN40M-LU105	9	105	235	68/40	M6.0/M6.0*32	H3.0*265	M10*1.0	1610	●
D36.00-D37.00	3D	EMD361R3WN40M-LU111	10	111	237	68/40	M6.0/M6.0*32	H3.0*265	M10*1.0	1710	●
D37.00-D38.00	3D	EMD370R3WN40M-LU111	10	111	244	68/40	M6.0/M6.0*32	H3.0*265	M10*1.0	1710	●
D38.00-D39.00	3D	EMD380R3WN40M-LU114	10	114	242	68/40	M6.0/M6.0*32	H3.0*265	M10*1.0	1710	●
D39.00-D40.00	3D	EMD390R3WN40M-LU117	10	117	252	68/40	M6.0/M6.0*32	H3.0*265	M10*1.0	1710	●

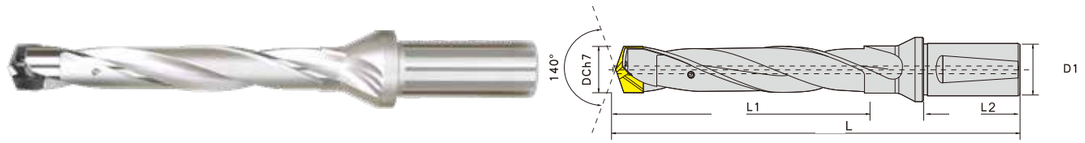
EMD-5D Rear locking crown drill bit EMD-5D



■ EMD-5D Rear locking crown drill bit

(Dc h7)	(Multiple)	(Specification)		(L1)	(L)	L2 D1	(Blade)	(Wrench)		(Price)	(Stock)
D12.50-D13.00	5D	EMD125R5WN16M-LU70	C	70	139	48/16	M2.5/M2.5*14	T5*156	M8*1.0	730	●
D13.00-D13.50	5D	EMD130R5WN16M-LU70	C	70	139	48/16	M2.5/M2.5*14	T5*156	M8*1.0	730	●
D13.51-D14.00	5D	EMD136R5WN16M-LU70	B	70	139	48/16	M3.0/M2.5*14	T6*156	M8*1.0	730	●
D14.00-D14.50	5D	EMD140R5WN16M-LU70	B	70	139	48/16	M3.0/M2.5*14	T6*156	M8*1.0	820	●
D14.51-D15.00	5D	EMD146R5WN20M-LU80	A	80	154	50/20	M3.0/M2.5*14	T6*156	M10*1.0	820	●
D15.00-D15.50	5D	EMD150R5WN20M-LU80	A	80	154	50/20	M3.0/M2.5*14	T6*156	M10*1.0	820	●
D15.50-D15.87	5D	EMD155R5WN20M-LU80	A	80	154	50/20	M3.0/M2.5*14	T6*156	M10*1.0	820	●
D16.00-D16.50	5D	EMD160R5WN20M-LU80	1	80	154	50/20	M3.5/M2.5*16	H1.5*185	M10*1.0	920	●
D16.50-D17.00	5D	EMD165R5WN20M-LU90	1	90	166	50/20	M3.5/M2.5*16	H1.5*185	M10*1.0	920	●
D17.00-D17.50	5D	EMD170R5WN20M-LU90	1	90	166	50/20	M3.5/M2.5*16	H1.5*185	M10*1.0	920	●
D17.50-D18.00	5D	EMD175R5WN20M-LU90	1	90	166	50/20	M3.5/M2.5*16	H1.5*185	M10*1.0	920	●
D18.01-D18.50	5D	EMD181R5WN25M-LU100	2	100	184	56/25	M3.5/M3*16	H1.5*185	M10*1.0	1030	●
D18.50-D19.00	5D	EMD185R5WN25M-LU100	2	100	184	56/25	M3.5/M3*16	H1.5*185	M10*1.0	1030	●
D19.00-D19.50	5D	EMD190R5WN25M-LU100	2	100	184	56/25	M3.5/M3*16	H1.5*185	M10*1.0	1030	●
D19.50-D19.99	5D	EMD195R5WN25M-LU100	2	100	184	56/25	M3.5/M3*16	H1.5*185	M10*1.0	1030	●
D20.00-D20.50	5D	EMD200R5WN25M-LU100	3	100	197	56/25	M4.0/M3.0*19	H2.0*210	M10*1.0	1140	●
D20.50-D21.00	5D	EMD205R5WN25M-LU110	3	110	197	56/25	M4.0/M3.0*19	H2.0*210	M10*1.0	1140	●
D21.00-D21.50	5D	EMD210R5WN25M-LU110	3	110	197	56/25	M4.0/M3.0*19	H2.0*210	M10*1.0	1140	●
D21.50-D22.00	5D	EMD215R5WN25M-LU110	3	110	197	56/25	M4.0/M3.0*19	H2.0*210	M10*1.0	1140	●
D22.01-D22.50	5D	EMD221R5WN25M-LU120	4	120	209	56/25	M4.0/M3.0*19	H2.0*210	M10*1.0	1210	●
D22.50-D23.00	5D	EMD225R5WN25M-LU120	4	120	209	56/25	M4.0/M3.0*19	H2.0*210	M10*1.0	1210	●
D23.00-D23.50	5D	EMD230R5WN25M-LU120	4	120	209	56/25	M4.0/M3.0*19	H2.0*210	M10*1.0	1210	●
D23.50-D24.00	5D	EMD235R5WN25M-LU120	4	120	209	56/25	M4.0/M3.0*19	H2.0*210	M10*1.0	1210	●
D24.01-D24.50	5D	EMD241R5WN32M-LU130	5	130	226	60/32	M5.0/M4.0*23	H2.5*240	M10*1.0	1260	●
D24.50-D25.00	5D	EMD245R7WN32M-LU168	5	182	278	60/32	M5.0/M4.0*23	H2.5*295	M10*1.0	1260	●

EMD-5D Rear locking crown drill bit EMD-5D

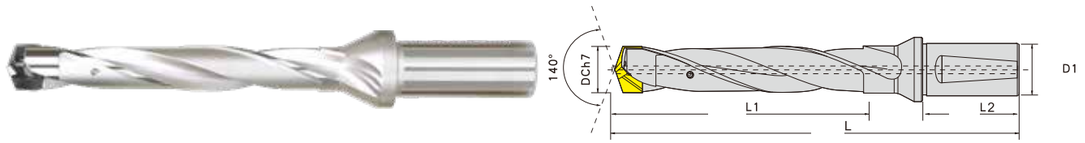


■ EMD-5D Rear locking crown drill bit

(Dc h7)	(Multiple)	(Specification)		(L1)	(L)	L2 D1	(Blade)	(Wrench)		(Price)	(Stock)
D25.00-D25.50	5D	EMD250R5WN32M-LU130	5	130	226	60/32	M5.0/M4.0*23	H2.5*240	M10*1.0	1260	●
D25.50-D26.00	5D	EMD255R5WN32M-LU130	5	130	226	60/32	M5.0/M4.0*23	H2.5*240	M10*1.0	1260	●
D26.01-D26.50	5D	EMD261R5WN32M-LU140	6	140	238	60/32	M5.0/M4.0*23	H2.5*240	M10*1.0	1340	●
D26.50-D27.00	5D	EMD265R5WN32M-LU140	6	140	238	60/32	M5.0/M4.0*23	H2.5*240	M10*1.0	1340	●
D27.00-D27.50	5D	EMD270R5WN32M-LU140	6	140	238	60/32	M5.0/M4.0*23	H2.5*240	M10*1.0	1340	●
D27.50-D28.00	5D	EMD275R5WN32M-LU140	6	140	238	60/32	M5.0/M4.0*23	H2.5*240	M10*1.0	1340	●
D28.01-D28.50	5D	EMD281R5WN32M-LU150	7	150	250	60/32	M6.0/M5.0*28	H3.0*265	M10*1.0	1390	●
D28.50-D29.00	5D	EMD285R5WN32M-LU150	7	150	250	60/32	M6.0/M5.0*28	H3.0*265	M10*1.0	1390	●
D29.00-D29.50	5D	EMD290R5WN32M-LU150	7	150	250	60/32	M6.0/M5.0*28	H3.0*265	M10*1.0	1390	●
D29.50-D30.00	5D	EMD295R5WN32M-LU150	7	150	250	60/32	M6.0/M5.0*28	H3.0*265	M10*1.0	1390	●
D30.01-D30.50	5D	EMD301R5WN32M-LU160	8	160	264	60/32	M6.0/M5.0*28	H3.0*265	M10*1.0	1540	●
D30.50-D31.00	5D	EMD305R5WN32M-LU160	8	160	264	60/32	M6.0/M5.0*28	H3.0*265	M10*1.0	1540	●
D31.00-D31.50	5D	EMD310R5WN32M-LU160	8	160	264	60/32	M6.0/M5.0*28	H3.0*265	M10*1.0	1540	●
D31.50-D32.00	5D	EMD315R5WN32M-LU160	8	160	264	60/32	M6.0/M5.0*28	H3.0*265	M10*1.0	1540	●
D32.01-D33.00	5D	EMD321R5WN40M-LU165	9	165	293	68/40	M6.0/M6.0*32	H3.0*330	M10*1.0	1790	●
D33.00-D34.00	5D	EMD330R5WN40M-LU165	9	165	293	68/40	M6.0/M6.0*32	H3.0*330	M10*1.0	1790	●
D34.00-D35.00	5D	EMD340R5WN40M-LU170	9	170	293	68/40	M6.0/M6.0*32	H3.0*330	M10*1.0	1790	●
D35.00-D36.00	5D	EMD350R5WN40M-LU175	9	175	305	68/40	M6.0/M6.0*32	H3.0*330	M10*1.0	1790	●
D36.00-D37.00	5D	EMD361R5WN40M-LU185	10	185	318	68/40	M6.0/M6.0*32	H3.0*330	M10*1.0	1890	●
D37.00-D38.00	5D	EMD370R5WN40M-LU185	10	185	318	68/40	M6.0/M6.0*32	H3.0*330	M10*1.0	1890	●
D38.00-D39.00	5D	EMD380R5WN40M-LU190	10	190	318	68/40	M6.0/M6.0*32	H3.0*330	M10*1.0	1890	●
D39.00-D40.00	5D	EMD390R5WN40M-LU195	10	195	330	68/40	M6.0/M6.0*32	H3.0*330	M10*1.0	1890	●

EMD-5D

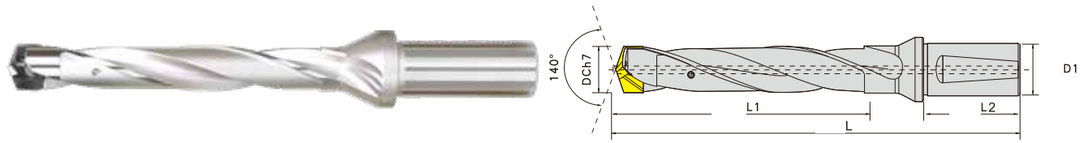
EMD-7D Rear locking crown drill bit EMD-7D



■ EMD-7D Rear locking crown drill bit

(Dc h7)	(Multiple)	(Specification)		(L1)	(L)	L2 D1	(Blade)	(Wrench)		(Price)	(Stock)
D12.50-D13.00	7D	EMD125R7WN16M-LU98	C	98	167	48/16	M2.5/M2.5*14	T5*188	M8*1.0	870	●
D13.00-D13.50	7D	EMD130R7WN16M-LU98	C	98	167	48/16	M2.5/M2.5*14	T5*188	M8*1.0	870	●
D13.51-D14.00	7D	EMD136R7WN16M-LU98	B	98	167	48/16	M3.0/M2.5*14	T6*188	M8*1.0	870	●
D14.00-D14.50	7D	EMD140R7WN16M-LU98	B	98	167	48/16	M3.0/M2.5*14	T6*188	M10*1.0	970	●
D14.51-D15.00	7D	EMD146R7WN20M-LU112	A	112	186	50/20	M3.0/M2.5*14	T6*188	M10*1.0	970	●
D15.00-D15.50	7D	EMD150R7WN20M-LU112	A	112	186	50/20	M3.0/M2.5*14	T6*188	M10*1.0	970	●
D15.50-D15.87	7D	EMD155R7WN20M-LU112	A	112	186	50/20	M3.0/M2.5*14	T6*188	M10*1.0	970	●
D16.00-D16.50	7D	EMD160R7WN20M-LU112	1	112	186	50/20	M3.5/M2.5*16	H1.5*185	M10*1.0	1080	●
D16.50-D17.00	7D	EMD165R7WN20M-LU126	1	126	202	50/20	M3.5/M2.5*16	H1.5*225	M10*1.0	1080	●
D17.00-D17.50	7D	EMD170R7WN20M-LU126	1	126	202	50/20	M3.5/M2.5*16	H1.5*225	M10*1.0	1080	●
D17.50-D18.00	7D	EMD175R7WN20M-LU126	1	126	202	50/20	M3.5/M2.5*16	H1.5*225	M10*1.0	1080	●
D18.01-D18.50	7D	EMD181R7WN25M-LU140	2	140	224	56/25	M3.5/M3*16	H1.5*225	M10*1.0	1210	●
D18.50-D19.00	7D	EMD185R7WN25M-LU140	2	140	224	56/25	M3.5/M3*16	H1.5*225	M10*1.0	1210	●
D19.00-D19.50	7D	EMD190R7WN25M-LU140	2	140	224	56/25	M3.5/M3*16	H1.5*225	M10*1.0	1210	●
D19.50-D19.99	7D	EMD195R7WN25M-LU140	2	140	224	56/25	M3.5/M3*16	H1.5*225	M10*1.0	1210	●
D20.00-D20.50	7D	EMD200R7WN25M-LU140	3	140	241	56/25	M4.0/M3.0*19	H2.0*260	M10*1.0	1330	●
D20.50-D21.00	7D	EMD205R7WN25M-LU154	3	154	241	56/25	M4.0/M3.0*19	H2.0*260	M10*1.0	1330	●
D21.00-D21.50	7D	EMD210R7WN25M-LU154	3	154	241	56/25	M4.0/M3.0*19	H2.0*260	M10*1.0	1330	●
D21.50-D22.00	7D	EMD215R7WN25M-LU154	3	154	241	56/25	M4.0/M3.0*19	H2.0*260	M10*1.0	1330	●
D22.01-D22.50	7D	EMD221R7WN25M-LU168	4	168	257	56/25	M4.0/M3.0*19	H2.0*260	M10*1.0	1430	●
D22.50-D23.00	7D	EMD225R7WN25M-LU168	4	168	257	56/25	M4.0/M3.0*19	H2.0*260	M10*1.0	1430	●
D23.00-D23.50	7D	EMD230R7WN25M-LU168	4	168	257	56/25	M4.0/M3.0*19	H2.0*260	M10*1.0	1430	●
D23.50-D24.00	7D	EMD235R7WN25M-LU168	4	168	257	56/25	M4.0/M3.0*19	H2.0*260	M10*1.0	1430	●
D24.01-D24.50	7D	EMD241R7WN32M-LU168	5	182	278	60/32	M5.0/M4.0*23	H2.5*295	M10*1.0	1480	●
D24.50-D25.00	7D	EMD245R7WN32M-LU168	5	182	278	60/32	M5.0/M4.0*23	H2.5*295	M10*1.0	1480	●

EMD-7D Rear locking crown drill bit EMD-7D

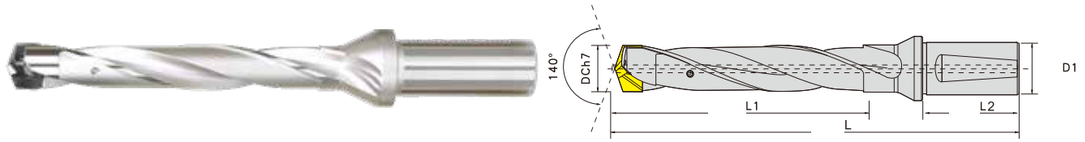


■ EMD-7D Rear locking crown drill bit

(Dc h7)	(Multiple)	(Specification)		(L1)	(L)	L2 D1	(Blade)	(Wrench)		(Price)	(Stock)
D25.00-D25.50	7D	EMD250R7WN32M-LU168	5	182	278	60/32	M5.0/M4.0*23	H2.5*295	M10*1.0	1480	●
D25.50-D26.00	7D	EMD255R7WN32M-LU168	5	182	278	60/32	M5.0/M4.0*23	H2.5*295	M10*1.0	1480	●
D26.01-D26.50	7D	EMD261R7WN32M-LU96	6	196	294	60/32	M5.0/M4.0*23	H2.5*295	M10*1.0	1590	●
D26.50-D27.00	7D	EMD265R7WN32M-LU196	6	196	294	60/32	M5.0/M4.0*23	H2.5*295	M10*1.0	1590	●
D27.00-D27.50	7D	EMD270R7WN32M-LU196	6	196	294	60/32	M5.0/M4.0*23	H2.5*295	M10*1.0	1590	●
D27.50-D28.00	7D	EMD275R7WN32M-LU196	6	196	294	60/32	M5.0/M4.0*23	H2.5*295	M10*1.0	1590	●
D28.01-D28.50	7D	EMD281R7WN32M-LU210	7	210	310	60/32	M6.0/M5.0*28	H3.0*330	M10*1.0	1660	●
D28.50-D29.00	7D	EMD285R7WN32M-LU210	7	210	310	60/32	M6.0/M5.0*28	H3.0*330	M10*1.0	1660	●
D29.00-D29.50	7D	EMD290R7WN32M-LU210	7	210	310	60/32	M6.0/M5.0*28	H3.0*330	M10*1.0	1660	●
D29.50-D30.00	7D	EMD295R7WN32M-LU210	7	210	310	60/32	M6.0/M5.0*28	H3.0*330	M10*1.0	1660	●
D30.01-D30.50	7D	EMD301R7WN32M-LU224	8	224	328	60/32	M6.0/M5.0*28	H3.0*330	M10*1.0	1850	●
D30.50-D31.00	7D	EMD305R7WN32M-LU224	8	224	328	60/32	M6.0/M5.0*28	H3.0*330	M10*1.0	1850	●
D31.00-D31.50	7D	EMD310R7WN32M-LU224	8	224	328	60/32	M6.0/M5.0*28	H3.0*330	M10*1.0	1850	●
D31.50-D32.00	7D	EMD315R7WN32M-LU224	8	224	328	60/32	M6.0/M5.0*28	H3.0*330	M10*1.0	1850	●
D32.01-D33.00	7D	EMD321R7WN40M-LU224	9	224	348	68/40	M6.0/M6.0*32	H3.0*439	M10*1.0	2050	●
D33.00-D34.00	7D	EMD330R7WN40M-LU231	9	231	354	68/40	M6.0/M6.0*32	H3.0*439	M10*1.0	2050	●
D34.00-D35.00	7D	EMD340R7WN40M-LU238	9	238	362	68/40	M6.0/M6.0*32	H3.0*439	M10*1.0	2050	●
D35.00-D36.00	7D	EMD350R7WN40M-LU245	9	245	369	68/40	M6.0/M6.0*32	H3.0*439	M10*1.0	2050	●
D36.00-D37.00	7D	EMD361R7WN40M-LU252	10	252	377	68/40	M6.0/M6.0*32	H3.0*439	M10*1.0	2210	●
D37.00-D38.00	7D	EMD370R7WN40M-LU259	10	259	383	68/40	M6.0/M6.0*32	H3.0*439	M10*1.0	2210	●
D38.00-D39.00	7D	EMD380R7WN40M-LU266	10	266	391	68/40	M6.0/M6.0*32	H3.0*439	M10*1.0	2210	●
D39.00-D40.00	7D	EMD390R7WN40M-LU273	10	273	398	68/40	M6.0/M6.0*32	H3.0*439	M10*1.0	2210	●

EMD-7D

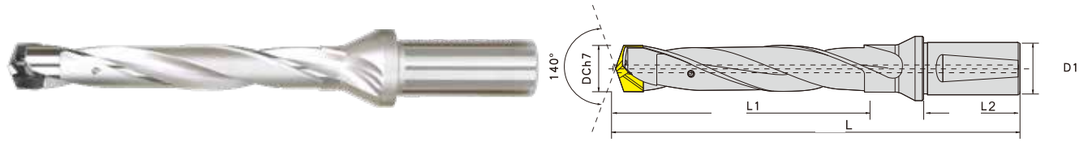
EMD-8.5D Rear locking crown drill bit EMD-8.5



■ EMD-8.5D Rear locking crown drill bit

(Dc h7)	(Multiple)	(Specification)		(L1)	(L)	L2 D1	(Blade)	(Wrench)		(Price)	(Stock)
D12.50-D13.00	8.5D	EMD125R8.5WN16M-LU111	C	111	181	48/16	M2.5/M2.5*14	T5*188	M8*1.0	1045	●
D13.00-D13.50	8.5D	EMD130R8.5WN16M-LU115	C	115	185	48/16	M2.5/M2.5*14	T5*188	M8*1.0	1045	●
D13.51-D14.00	8.5D	EMD136R8.5WN16M-LU119	B	119	189	48/16	M3.0/M2.5*14	T6*188	M8*1.0	1045	●
D14.00-D14.50	8.5D	EMD140R8.5WN16M-LU124	B	124	194	48/16	M3.0/M2.5*14	T6*290	M8*1.0	1060	●
D14.51-D15.00	8.5D	EMD146R8.5WN20M-LU128	A	128	203	50/20	M3.0/M2.5*14	T6*290	M10*1.0	1060	●
D15.00-D15.50	8.5D	EMD150R8.5WN20M-LU132	A	132	207	50/20	M3.0/M2.5*14	T6*290	M10*1.0	1060	●
D15.50-D15.87	8.5D	EMD155R8.5WN20M-LU136	A	136	211	50/20	M3.0/M2.5*14	T6*290	M10*1.0	1060	●
D16.00-D16.50	8.5D	EMD160R8.5WN20M-LU141	1	141	215	50/20	M3.5/M2.5*16	H1.5*225	M10*1.0	1165	●
D16.50-D17.00	8.5D	EMD165R8.5WN20M-LU145	1	145	221	50/20	M3.5/M2.5*16	H1.5*225	M10*1.0	1165	●
D17.00-D17.50	8.5D	EMD170R8.5WN20M-LU149	1	149	225	50/20	M3.5/M2.5*16	H1.5*225	M10*1.0	1165	●
D17.50-D18.00	8.5D	EMD175R8.5WN20M-LU153	1	153	229	50/20	M3.5/M2.5*16	H1.5*225	M10*1.0	1165	●
D18.01-D18.50	8.5D	EMD181R8.5WN25M-LU158	2	158	242	56/25	M3.5/M3*16	H1.5*297	M10*1.0	1320	●
D18.50-D19.00	8.5D	EMD185R8.5WN25M-LU162	2	162	246	56/25	M3.5/M3*16	H1.5*297	M10*1.0	1320	●
D19.00-D19.50	8.5D	EMD190R8.5WN25M-LU166	2	166	250	56/25	M3.5/M3*16	H1.5*297	M10*1.0	1320	●
D19.50-D19.99	8.5D	EMD195R8.5WN25M-LU170	2	170	254	56/25	M3.5/M3*16	H1.5*297	M10*1.0	1320	●
D20.00-D20.50	8.5D	EMD200R8.5WN25M-LU175	3	175	272	56/25	M4.0/M3.0*19	H2.0*343	M10*1.0	1450	●
D20.50-D21.00	8.5D	EMD205R8.5WN25M-LU179	3	179	271	56/25	M4.0/M3.0*19	H2.0*343	M10*1.0	1450	●
D21.00-D21.50	8.5D	EMD210R8.5WN25M-LU183	3	183	270	56/25	M4.0/M3.0*19	H2.0*343	M10*1.0	1450	●
D21.50-D22.00	8.5D	EMD215R8.5WN25M-LU187	3	187	279	56/25	M4.0/M3.0*19	H2.0*343	M10*1.0	1450	●
D22.01-D22.50	8.5D	EMD221R8.5WN25M-LU192	4	192	286	56/25	M4.0/M3.0*19	H2.0*343	M10*1.0	1580	●
D22.50-D23.00	8.5D	EMD225R8.5WN25M-LU196	4	196	290	56/25	M4.0/M3.0*19	H2.0*343	M10*1.0	1580	●
D23.00-D23.50	8.5D	EMD230R8.5WN25M-LU200	4	200	289	56/25	M4.0/M3.0*19	H2.0*343	M10*1.0	1580	●
D23.50-D24.00	8.5D	EMD235R8.5WN25M-LU204	4	204	288	56/25	M4.0/M3.0*19	H2.0*343	M10*1.0	1580	●
D24.01-D24.50	8.5D	EMD241R8.5WN32M-LU209	5	209	310	60/32	M5.0/M4.0*23	H2.5*295	M10*1.0	1670	●
D24.50-D25.00	8.5D	EMD245R8.5WN32M-LU213	5	213	314	60/32	M5.0/M4.0*23	H2.5*393	M10*1.0	1670	●

EMD-8.5D Rear locking crown drill bit EMD-8.5

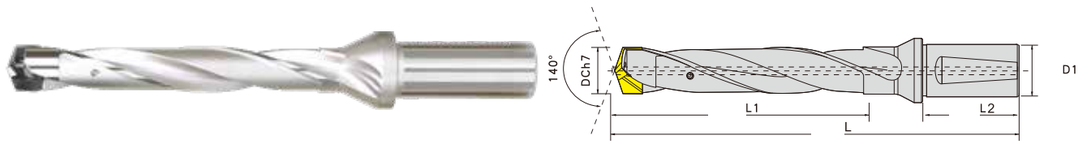


■ EMD-8.5D Rear locking crown drill bit

(Dc h7)	(Multiple)	(Specification)		(L1)	(L)	L2 D1	(Blade)	(Wrench)		(Price)	(Stock)
D25.00-D25.50	8.5D	EMD250R8.5WN32M-LU217	5	217	313	60/32	M5.0/M4.0*23	H2.5*393	M10*1.0	1670	●
D25.50-D26.00	8.5D	EMD255R8.5WN32M-LU221	5	221	322	60/32	M5.0/M4.0*23	H2.5*393	M10*1.0	1670	●
D26.01-D26.50	8.5D	EMD261R8.5WN32M-LU226	6	226	324	60/32	M5.0/M4.0*23	H2.5*393	M10*1.0	1900	●
D26.50-D27.00	8.5D	EMD265R8.5WN32M-LU230	6	230	387	60/32	M5.0/M4.0*23	H2.5*393	M10*1.0	1900	●
D27.00-D27.50	8.5D	EMD270R8.5WN32M-LU234	6	234	332	60/32	M5.0/M4.0*23	H2.5*393	M10*1.0	1900	●
D27.50-D28.00	8.5D	EMD275R8.5WN32M-LU238	6	238	341	60/32	M5.0/M4.0*23	H2.5*393	M10*1.0	1900	●
D28.01-D28.50	8.5D	EMD281R8.5WN32M-LU243	7	243	348	60/32	M6.0/M5.0*28	H3.0*439	M10*1.0	2020	●
D28.50-D29.00	8.5D	EMD285R8.5WN32M-LU247	7	247	352	60/32	M6.0/M5.0*28	H3.0*439	M10*1.0	2020	●
D29.00-D29.50	8.5D	EMD290R8.5WN32M-LU251	7	251	351	60/32	M6.0/M5.0*28	H3.0*439	M10*1.0	2020	●
D29.50-D30.00	8.5D	EMD295R8.5WN32M-LU255	7	255	360	60/32	M6.0/M5.0*28	H3.0*439	M10*1.0	2020	●
D30.01-D30.50	8.5D	EMD301R8.5WN32M-LU260	8	260	369	60/32	M6.0/M5.0*28	H3.0*439	M10*1.0	2240	●
D30.50-D31.00	8.5D	EMD305R8.5WN32M-LU264	8	264	373	60/32	M6.0/M5.0*28	H3.0*439	M10*1.0	2240	●
D31.00-D31.50	8.5D	EMD310R8.5WN32M-LU268	8	268	372	60/32	M6.0/M5.0*28	H3.0*439	M10*1.0	2240	●
D31.50-D32.00	8.5D	EMD315R8.5WN32M-LU272	8	272	381	60/32	M6.0/M5.0*28	H3.0*439	M10*1.0	2240	●
D32.01-D33.00	8.5D	EMD321R8.5WN40M-LU281	9	281	400	68/40	M6.0/M6.0*32	H3.0*439	M10*1.0	2240	●
D33.00-D34.00	8.5D	EMD330R8.5WN40M-LU289	9	289	412	68/40	M6.0/M6.0*32	H3.0*439	M10*1.0	2240	●
D34.00-D35.00	8.5D	EMD340R8.5WN40M-LU298	9	298	422	68/40	M6.0/M6.0*32	H3.0*439	M10*1.0	2240	●
D35.00-D36.00	8.5D	EMD350R8.5WN40M-LU306	9	306	430	68/40	M6.0/M6.0*32	H3.0*439	M10*1.0	2240	●
D36.00-D37.00	8.5D	EMD361R8.5WN40M-LU315	10	315	435	68/40	M6.0/M6.0*32	H3.0*439	M10*1.0	2680	●
D37.00-D38.00	8.5D	EMD370R8.5WN40M-LU323	10	323	447	68/40	M6.0/M6.0*32	H3.0*530	M10*1.0	2680	●
D38.00-D39.00	8.5D	EMD380R8.5WN40M-LU332	10	332	457	68/40	M6.0/M6.0*32	H3.0*530	M10*1.0	2680	●
D39.00-D40.00	8.5D	EMD390R8.5WN40M-LU340	10	340	465	68/40	M6.0/M6.0*32	H3.0*530	M10*1.0	2680	●

EMD-8.5D

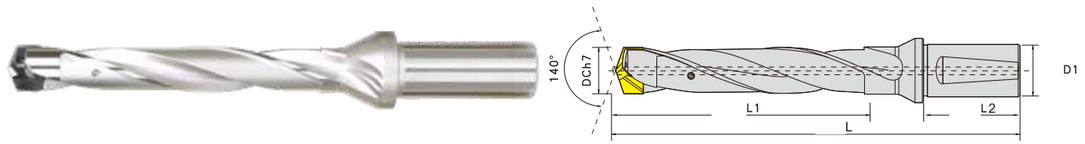
EMD-10D Rear locking crown drill bit EMD-10I



■ EMD-10D Rear locking crown drill bit

(Dc h7)	(Multiple)	(Specification)		(L1)	(L)	L2 D1	(Blade)	(Wrench)		(Price)	(Stock)
D12.50-D13.00	10D	EMD125R10WN16M-LU125	C	125	195	48/16	M2.5/M2.5*14	T5*290	M8*1.0	1300	●
D13.00-D13.50	10D	EMD130R10WN16M-LU130	C	130	200	48/16	M2.5/M2.5*14	T5*290	M8*1.0	1300	●
D13.51-D14.00	10D	EMD136R10WN16M-LU135	B	135	205	48/16	M3.0/M2.5*14	T6*290	M8*1.0	1300	●
D14.00-D14.50	10D	EMD140R10WN16M-LU140	B	140	210	48/16	M3.0/M2.5*14	T6*290	M8*1.0	1400	●
D14.51-D15.00	10D	EMD146R10WN20M-LU145	A	145	220	50/20	M3.0/M2.5*14	T6*290	M10*1.0	1400	●
D15.00-D15.50	10D	EMD150R10WN20M-LU150	A	150	225	50/20	M3.0/M2.5*14	T6*290	M10*1.0	1400	●
D15.50-D15.87	10D	EMD155R10WN20M-LU150	A	155	230	50/20	M3.0/M2.5*14	T6*290	M10*1.0	1400	●
D16.00-D16.50	10D	EMD160R10WN20M-LU160	1	160	234	50/20	M3.5/M2.5*16	H1.5*297	M10*1.0	1600	●
D16.50-D17.00	10D	EMD165R10WN20M-LU165	1	165	241	50/20	M3.5/M2.5*16	H1.5*297	M10*1.0	1600	●
D17.00-D17.50	10D	EMD170R10WN20M-LU165	1	170	246	50/20	M3.5/M2.5*16	H1.5*297	M10*1.0	1600	●
D17.50-D18.00	10D	EMD175R10WN20M-LU165	1	175	251	50/20	M3.5/M2.5*16	H1.5*297	M10*1.0	1600	●
D18.01-D18.50	10D	EMD181R10WN25M-LU185	2	185	269	56/25	M3.5/M3*16	H1.5*297	M10*1.0	1800	●
D18.50-D19.00	10D	EMD185R10WN25M-LU185	2	185	269	56/25	M3.5/M3*16	H1.5*297	M10*1.0	1800	●
D19.00-D19.50	10D	EMD190R10WN25M-LU190	2	190	274	56/25	M3.5/M3*16	H1.5*297	M10*1.0	1800	●
D19.50-D19.99	10D	EMD195R10WN25M-LU195	2	195	279	56/25	M3.5/M3*16	H1.5*297	M10*1.0	1800	●
D20.00-D20.50	10D	EMD200R10WN25M-LU200	3	200	297	56/25	M4.0/M3.0*19	H2.0*343	M10*1.0	1900	●
D20.50-D21.00	10D	EMD205R10WN25M-LU205	3	205	297	56/25	M4.0/M3.0*19	H2.0*343	M10*1.0	1900	●
D21.00-D21.50	10D	EMD210R10WN25M-LU210	3	210	297	56/25	M4.0/M3.0*19	H2.0*343	M10*1.0	1900	●
D21.50-D22.00	10D	EMD215R10WN25M-LU215	3	215	307	56/25	M4.0/M3.0*19	H2.0*343	M10*1.0	1900	●
D22.01-D22.50	10D	EMD221R10WN25M-LU225	4	225	319	56/25	M4.0/M3.0*19	H2.0*343	M10*1.0	2100	●
D22.50-D23.00	10D	EMD225R10WN25M-LU225	4	225	319	56/25	M4.0/M3.0*19	H2.0*343	M10*1.0	2100	●
D23.00-D23.50	10D	EMD230R10WN25M-LU230	4	230	319	56/25	M4.0/M3.0*19	H2.0*343	M10*1.0	2100	●
D23.50-D24.00	10D	EMD235R10WN25M-LU235	4	235	319	56/25	M4.0/M3.0*19	H2.0*343	M10*1.0	2100	●
D24.01-D24.50	10D	EMD241R10WN32M-LU245	5	245	346	60/32	M5.0/M4.0*23	H2.5*393	M10*1.0	2200	●
D24.50-D25.00	10D	EMD245R10WN32M-LU245	5	245	346	60/32	M5.0/M4.0*23	H2.5*393	M10*1.0	2200	●

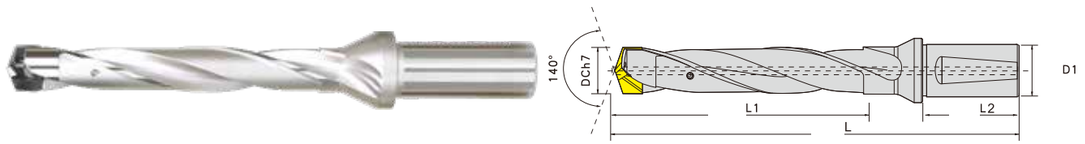
EMD-10D Rear locking crown drill bit EMD-10I



■ EMD-10D Rear locking crown drill bit

(Dc h7)	(Multiple)	(Specification)		(L1)	(L)	L2 D1	(Blade)	(Wrench)		(Price)	(Stock)
D25.00-D25.50	10D	EMD250R10WN32M-LU250	5	250	346	60/32	M5.0/M4.0*23	H2.5*393	M10*1.0	2200	●
D25.50-D26.00	10D	EMD255R10WN32M-LU255	5	255	356	60/32	M5.0/M4.0*23	H2.5*393	M10*1.0	2200	●
D26.01-D26.50	10D	EMD261R10WN32M-LU265	6	265	363	60/32	M5.0/M4.0*23	H2.5*393	M10*1.0	2360	●
D26.50-D27.00	10D	EMD265R10WN32M-LU265	6	265	363	60/32	M5.0/M4.0*23	H2.5*393	M10*1.0	2360	●
D27.00-D27.50	10D	EMD270R10WN32M-LU270	6	270	368	60/32	M5.0/M4.0*23	H2.5*393	M10*1.0	2360	●
D27.50-D28.00	10D	EMD275R10WN32M-LU270	6	275	378	60/32	M5.0/M4.0*23	H2.5*393	M10*1.0	2360	●
D28.01-D28.50	10D	EMD281R10WN32M-LU285	7	285	390	60/32	M6.0/M5.0*28	H3.0*439	M10*1.0	2460	●
D28.50-D29.00	10D	EMD285R10WN32M-LU285	7	285	390	60/32	M6.0/M5.0*28	H3.0*439	M10*1.0	2460	●
D29.00-D29.50	10D	EMD290R10WN32M-LU290	7	290	390	60/32	M6.0/M5.0*28	H3.0*439	M10*1.0	2460	●
D29.50-D30.00	10D	EMD295R10WN32M-LU295	7	295	400	60/32	M6.0/M5.0*28	H3.0*439	M10*1.0	2460	●
D30.01-D30.50	10D	EMD301R10WN32M-LU305	8	305	414	60/32	M6.0/M5.0*28	H3.0*439	M10*1.0	2760	●
D30.50-D31.00	10D	EMD305R10WN32M-LU305	8	305	414	60/32	M6.0/M5.0*28	H3.0*439	M10*1.0	2760	●
D31.00-D31.50	10D	EMD310R10WN32M-LU310	8	310	414	60/32	M6.0/M5.0*28	H3.0*439	M10*1.0	2760	●
D31.50-D32.00	10D	EMD315R10WN32M-LU315	8	315	424	60/32	M6.0/M5.0*28	H3.0*439	M10*1.0	2760	●
D32.01-D33.00	10D	EMD321R10WN40M-LU320	9	320	444	68/40	M6.0/M6.0*32	H3.0*439	M10*1.0	3060	●
D33.00-D34.00	10D	EMD330R10WN40M-LU330	9	330	453	68/40	M6.0/M6.0*32	H3.0*530	M10*1.0	3060	●
D34.00-D35.00	10D	EMD340R10WN40M-LU340	9	340	464	68/40	M6.0/M6.0*32	H3.0*530	M10*1.0	3060	●
D35.00-D36.00	10D	EMD350R10WN40M-LU350	9	350	474	68/40	M6.0/M6.0*32	H3.0*530	M10*1.0	3060	●
D36.00-D37.00	10D	EMD361R10WN40M-LU360	10	365	485	68/40	M6.0/M6.0*32	H3.0*530	M10*1.0	3260	●
D37.00-D38.00	10D	EMD370R10WN40M-LU370	10	370	494	68/40	M6.0/M6.0*32	H3.0*530	M10*1.0	3260	●
D38.00-D39.00	10D	EMD380R10WN40M-LU380	10	380	505	68/40	M6.0/M6.0*32	H3.0*530	M10*1.0	3260	●
D39.00-D40.00	10D	EMD390R10WN40M-LU390	10	390	515	68/40	M6.0/M6.0*32	H3.0*530	M10*1.0	3260	●

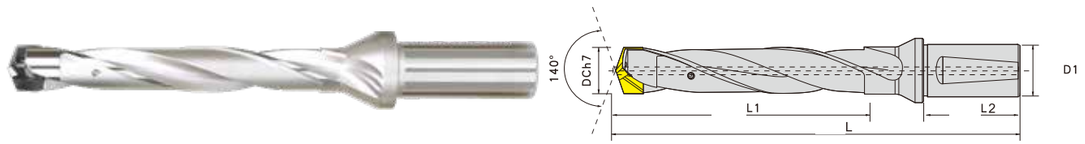
EMD-12D Rear locking crown drill bit EMD-12



■ EMD-12D Rear locking crown drill bit

(Dc h7)	(Multiple)	(Specification)		(L1)	(L)	L2 D1	(Blade)	(Wrench)		(Price)	(Stock)
D12.50-D13.00	12D	EMD125R12WN16M-LU156	C	156	226	48/16	M2.5/M2.5*14	T5*290	M8*1.0	1500	●
D13.00-D13.50	12D	EMD130R12WN16M-LU162	C	162	232	48/16	M2.5/M2.5*14	T5*290	M8*1.0	1500	●
D13.51-D14.00	12D	EMD136R12WN16M-LU168	B	168	238	48/16	M3.0/M2.5*14	T6*290	M8*1.0	1500	●
D14.00-D14.50	12D	EMD140R12WN16M-LU174	B	174	244	48/16	M3.0/M2.5*14	T6*290	M8*1.0	1500	●
D14.51-D15.00	12D	EMD146R12WN20M-LU180	A	180	255	50/20	M3.0/M2.5*14	T6*290	M10*1.0	1600	●
D15.00-D15.50	12D	EMD150R12WN20M-LU186	A	186	261	50/20	M3.0/M2.5*14	T6*290	M10*1.0	1600	●
D15.50-D15.87	12D	EMD155R12WN20M-LU192	A	192	267	50/20	M3.0/M2.5*14	T6*290	M10*1.0	1600	●
D16.00-D16.50	12D	EMD160R12WN20M-LU198	1	198	272	50/20	M3.5/M2.5*16	H1.5*297	M10*1.0	1600	●
D16.50-D17.00	12D	EMD165R12WN20M-LU204	1	204	280	50/20	M3.5/M2.5*16	H1.5*297	M10*1.0	2000	●
D17.00-D17.50	12D	EMD170R12WN20M-LU210	1	210	286	50/20	M3.5/M2.5*16	H1.5*297	M10*1.0	2000	●
D17.50-D18.00	12D	EMD175R12WN20M-LU216	1	216	292	50/20	M3.5/M2.5*16	H1.5*297	M10*1.0	2000	●
D18.01-D18.50	12D	EMD181R12WN25M-LU222	2	222	306	56/25	M3.5/M3*16	H1.5*297	M10*1.0	2000	●
D18.50-D19.00	12D	EMD185R12WN25M-LU228	2	228	312	56/25	M3.5/M3*16	H1.5*350	M10*1.0	2000	●
D19.00-D19.50	12D	EMD190R12WN25M-LU234	2	234	318	56/25	M3.5/M3*16	H1.5*350	M10*1.0	2000	●
D19.50-D19.99	12D	EMD195R12WN25M-LU240	2	240	324	56/25	M3.5/M3*16	H1.5*350	M10*1.0	2000	●
D20.00-D20.50	12D	EMD200R12WN25M-LU246	3	246	343	56/25	M4.0/M3.0*19	H2.0*343	M10*1.0	2100	●
D20.50-D21.00	12D	EMD205R12WN25M-LU252	3	252	344	56/25	M4.0/M3.0*19	H2.0*343	M10*1.0	2100	●
D21.00-D21.50	12D	EMD210R12WN25M-LU258	3	258	345	56/25	M4.0/M3.0*19	H2.0*343	M10*1.0	2100	●
D21.50-D22.00	12D	EMD215R12WN25M-LU264	3	264	356	56/25	M4.0/M3.0*19	H2.0*405	M10*1.0	2100	●
D22.01-D22.50	12D	EMD221R12WN25M-LU270	4	270	364	56/25	M4.0/M3.0*19	H2.0*405	M10*1.0	2300	●
D22.50-D23.00	12D	EMD225R12WN25M-LU276	4	276	370	56/25	M4.0/M3.0*19	H2.0*405	M10*1.0	2300	●
D23.00-D23.50	12D	EMD230R12WN25M-LU282	4	282	371	56/25	M4.0/M3.0*19	H2.0*405	M10*1.0	2300	●
D23.50-D24.00	12D	EMD235R12WN25M-LU288	4	288	372	56/25	M4.0/M3.0*19	H2.0*405	M10*1.0	2300	●
D24.01-D24.50	12D	EMD241R12WN32M-LU294	5	294	395	60/32	M5.0/M4.0*23	H2.5*393	M10*1.0	2500	●
D24.50-D25.00	12D	EMD245R12WN32M-LU300	5	300	401	60/32	M5.0/M4.0*23	H2.5*460	M10*1.0	2500	●

EMD-12D Rear locking crown drill bit EMD-12I



■ EMD-12D Rear locking crown drill bit

(Dc h7)	(Multiple)	(Specification)		(L1)	(L)	L2 D1	(Blade)	(Wrench)		(Price)	(Stock)
D25.00-D25.50	12D	EMD250R12WN32M-LU306	5	306	402	60/32	M5.0/M4.0*23	H2.5*460	M10*1.0	2500	●
D25.50-D26.00	12D	EMD255R12WN32M-LU312	5	312	413	60/32	M5.0/M4.0*23	H2.5*460	M10*1.0	2500	●
D26.01-D26.50	12D	EMD261R12WN32M-LU318	6	318	416	60/32	M5.0/M4.0*23	H2.5*460	M10*1.0	2800	●
D26.50-D27.00	12D	EMD265R12WN32M-LU324	6	324	422	60/32	M5.0/M4.0*23	H2.5*460	M10*1.0	2800	●
D27.00-D27.50	12D	EMD270R12WN32M-LU330	6	330	428	60/32	M5.0/M4.0*23	H2.5*460	M10*1.0	2800	●
D27.50-D28.00	12D	EMD275R12WN32M-LU336	6	336	439	60/32	M5.0/M4.0*23	H2.5*460	M10*1.0	2800	●
D28.01-D28.50	12D	EMD281R12WN32M-LU342	7	342	447	60/32	M6.0/M5.0*28	H3.0*530	M10*1.0	2800	●
D28.50-D29.00	12D	EMD285R12WN32M-LU348	7	348	453	60/32	M6.0/M5.0*28	H3.0*530	M10*1.0	2800	●
D29.00-D29.50	12D	EMD290R12WN32M-LU354	7	354	454	60/32	M6.0/M5.0*28	H3.0*530	M10*1.0	2800	●
D29.50-D30.00	12D	EMD295R12WN32M-LU360	7	360	465	60/32	M6.0/M5.0*28	H3.0*530	M10*1.0	2800	●
D30.01-D30.50	12D	EMD301R12WN32M-LU366	8	366	475	60/32	M6.0/M5.0*28	H3.0*530	M10*1.0	3100	●
D30.50-D31.00	12D	EMD305R12WN32M-LU372	8	372	481	60/32	M6.0/M5.0*28	H3.0*530	M10*1.0	3100	●
D31.00-D31.50	12D	EMD310R12WN32M-LU378	8	378	482	60/32	M6.0/M5.0*28	H3.0*530	M10*1.0	3100	●
D31.50-D32.00	12D	EMD315R12WN32M-LU384	8	384	493	60/32	M6.0/M5.0*28	H3.0*530	M10*1.0	3100	●
D32.01-D33.00	12D	EMD321R12WN40M-LU396	9	396	515	68/40	M6.0/M6.0*32	H3.0*530	M10*1.0	3500	●
D33.00-D34.00	12D	EMD330R12WN40M-LU408	9	408	531	68/40	M6.0/M6.0*32	H3.0*600	M10*1.0	3500	●
D34.00-D35.00	12D	EMD340R12WN40M-LU420	9	420	544	68/40	M6.0/M6.0*32	H3.0*600	M10*1.0	3500	●
D35.00-D36.00	12D	EMD350R12WN40M-LU432	9	432	556	68/40	M6.0/M6.0*32	H3.0*600	M10*1.0	3500	●
D36.00-D37.00	12D	EMD361R12WN40M-LU444	10	444	564	68/40	M6.0/M6.0*32	H3.0*600	M10*1.0	3700	●
D37.00-D38.00	12D	EMD370R12WN40M-LU456	10	456	580	68/40	M6.0/M6.0*32	H3.0*600	M10*1.0	3700	●
D38.00-D39.00	12D	EMD380R12WN40M-LU468	10	468	593	68/40	M6.0/M6.0*32	H3.0*600	M10*1.0	3700	●
D39.00-D40.00	12D	EMD390R12WN40M-LU480	10	480	605	68/40	M6.0/M6.0*32	H3.0*600	M10*1.0	3700	●

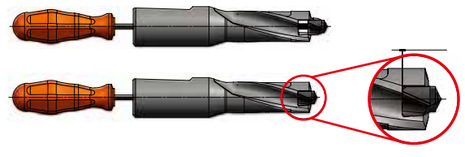
Instructions for use

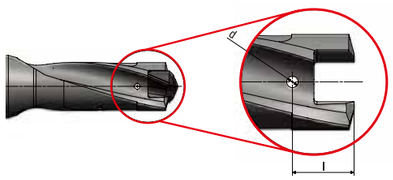
(size)	(Effective scope)	L (mm)	L (mm)	(Central screw)	(Wrench)
C	12.50–13.50	8.5	9.6	364.017	T5
A	14.51–15.88	9.4	10.6	364.016	T6
2	18.01–19.99	11.2	12.6	364.010	H1.5
4	22.01–24.00	13.0	14.6	364.011	H2.0
6	26.01–28.00	14.8	16.6	364.012	H2.5
8	30.01–32.00	16.6	18.6	364.013	H3.0
10	36.01–40.00	20.2	22.6	364.015	H3.0

D (mm)	X_F (mm)
12,50–32,00	0
32,01–40,00	2



(D) mm	1–3XD 8 bar	5XD 12bar	7XD 20bar	10XD 30bar	> 10XD 50bar
12.50	5	6	8	9	12
14.00	6	7	10	12	15
16.00	8	10	13	16	21
20.00	12	14	18	23	29
25.00	15	18	23	29	37
30.00	20	25	32	39	51
35.00	27	33	43	52	67
40.00	27	33	43	52	67





D (mm)	(size)		d (mm)	l (mm)
12,500 – 13,500	C	364.017	1.5	9.4
13,501 – 14,500	B	364.016	1.5	10.2
14,501 –15,874	A	364.016	1.5	10.5
15,875 – 18,000	1	364.010	2	11.6
18,001 – 19.999	2	364.010	2	12.2
20,000 – 22,000	3	364.011	2.5	13.6
22,001 – 24,000	4	364.011	2.5	14.2
24,001 – 26,000	5	364.012	3	15.8
26,001 – 28,000	6	364.012	3	16.4
28,001 – 30,000	7	364.013	3.5	17.9
30,001 – 32,000	8	364.013	3.5	18.5
32,001 – 36,000	9	364.015	4	20.8
36,001 – 40,000	10	364.015	4	22.9
			+/–0,1	+0.3

EMD Rear locking crown drill bit blade

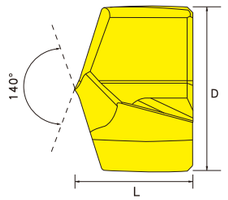
EMD



EMD Rear locking crown drill bit blade EMD







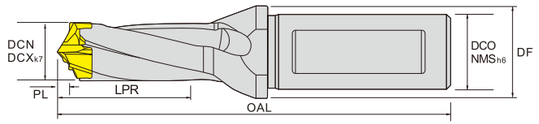
(Dc h7)	Knife holder	(Kenner number)	(Double headed screw)	(Wrench)	(Stock)	(Domestic code)	(Double headed screw)	(Wrench)	(Stock)
D12.50–D13.40	C	KSEM1250/KSEM1340	M2.5/M2.5	T5	○	GDMK1250/GDMK1340	M2.5/M2.5	T5	●
D13.50–D13.50	C	KSEM1350/KSEM1350	M3.0/M2.5	T5	○	GDMK1350/GDMK1350	M3.0/M2.5	T5	●
D13.60–D14.40	B	KSEM1360/KSEM1440	M3.0/M2.5	T6	○	GDMK1360/GDMK1440	M3.0/M2.5	T6	●
D14.50–D14.50	B	KSEM1450/KSEM1450	M3.0/M2.5	T6	○	GDMK1450/GDMK1450	M3.0/M2.5	T6	●
D14.60–D15.90	A	KSEM1460/KSEM1590	M3.0/M2.5	T6	○	GDMK1460/GDMK1590	M3.0/M2.5	T6	●
D15.91–D18.00	1	KSEM1591/KSEM1800	M3.5/M2.5	H1.5	○	GDMK1591/GDMK1800	M3.5/M2.5	H1.5	●
D18.01–D19.99	2	KSEM1801/KSEM1999	M3.5/M2.5	H1.5	○	GDMK1801/GDMK1999	M3.5/M3.0	H1.5	●
D20.00–D22.00	3	KSEM2000/KSEM2200	M4.0/M3.0	H2.0	○	GDMK2000/GDMK2200	M4.0/M3.0	H2.0	●
D22.01–D24.00	4	KSEM2201/KSEM2400	M4.0/M3.0	H2.0	○	GDMK2201/GDMK2400	M4.0/M3.0	H2.0	●
D24.01–D26.00	5	KSEM2401/KSEM2600	M5.0/M4.0	H2.5	○	GDMK2401/GDMK2600	M5.0/M4.0	H2.5	●
D26.01–D28.00	6	KSEM2601/KSEM2800	M5.0/M4.0	H2.5	○	GDMK2601/GDMK2800	M5.0/M4.0	H2.5	●
D28.01–D30.00	7	KSEM2801/KSEM3000	M6.0/M5.0	H3.0	○	GDMK2801/GDMK3000	M6.0/M5.0	H3.0	●
D30.01–D32.00	8	KSEM3001/KSEM3200	M6.0/M5.0	H3.0	○	GDMK3001/GDMK3200	M6.0/M5.0	H3.0	●
D32.01–D34.00	9	KSEM3201/KSEM3400	M6.0/M6.0	H3.0	○	GDMK3201/GDMK3400	M6.0/M6.0	H3.0	●
D34.01–D36.00	10	KSEM3401/KSEM3600	M6.0/M6.0	H3.0	○	GDMK3401/GDKM3600	M6.0/M6.0	H3.0	●
D36.01–D40.00	10	KSEM3601/KSEM4000	M6.0/M6.0	H3.0	○	GDMK3601/GDMK4000	M6.0/M6.0	H3.0	●

HSD Crown drill bit 3 blade edges



HSD-1.5D Crown drill bit 3 blade edges HSD-1.5



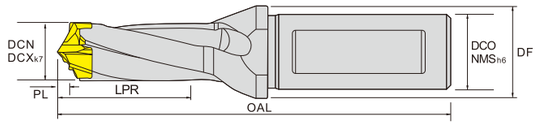


HSD-1.5D Crown drill bit 3 blade edges

(Specification)	(DCN)	(DCX)	(DOCNMS)	(DF)	(LU)	(LRP)	(OAR)	(PL)	(MIIDL)	(Stock)
HSD-1.5D-120-C16-LU21	12	12.4	16	20	21	42.92	90.92	2.71	H3P 120	○
HSD-1.5D-125-C16-LU22	12.5	12.9	16	20	22	44.42	92.42	2.71	H3P 125	○
HSD-1.5D-130-C16-LU23	13	13.4	16	20	23	46.58	94.58	2.91	H3P 130	○
HSD-1.5D-135-C16-LU23	13.5	13.9	16	20	23	48.08	96.08	2.91	H3P 135	○
HSD-1.5D-140-C16-LU24	14	14.4	16	20	24	50.08	98.08	3.1	H3P 140	○
HSD-1.5D-145-C16-LU25	14.5	14.9	16	20	25	51.58	99.58	3.1	H3P 145	○
HSD-1.5D-150-C20-LU26	15	15.9	20	25	26	53.66	103.66	3.47	H3P 150	○
HSD-1.5D-160-C20-LU28	16	16.9	20	25	28	57.25	107.25	3.44	H3P 160	○
HSD-1.5D-170-C20-LU29	17	17.9	20	25	29	60.72	110.72	3.52	H3P 170	○
HSD-1.5D-180-C25-LU31	18	18.9	25	32	31	64.36	120.36	3.9	H3P 180	○
HSD-1.5D-190-C25-LU33	19	19.9	25	32	33	67.92	123.92	4.1	H3P 190	○
HSD-1.5D-200-C25-LU35	20	20.9	25	32	35	71.24	127.24	4.32	H3P 200	○
HSD-1.5D-210-C25-LU36	21	21.9	25	32	36	74.8	130.8	4.55	H3P 210	○
HSD-1.5D-220-C25-LU38	22	22.9	25	32	38	78.62	134.62	4.69	H3P 220	○
HSD-1.5D-230-C32-LU40	23	23.9	32	42	40	82	142	4.91	H3P 230	○
HSD-1.5D-240-C32-LU41	24	24.9	32	42	41	85.54	145.54	5.21	H3P 240	○
HSD-1.5D-250-C32-LU43	25	25.9	32	42	43	89.6	149.6	5.2	H3P 250	○

HSD-3D Crown drill bit 3 blade edges HSD-3



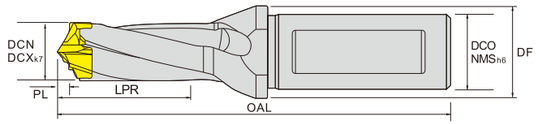


HSD-3D Crown drill bit 3 blade edges

(Specification)	(DCN)	(DCX)	(DOCNMS)	(DF)	(LU)	(LRP)	(OAR)	(PL)	(MIIDL)	(Stock)
HSD-3.0D-120-C16-LU39	12	12.4	16	20	39	60.92	108.92	2.71	H3P 120	○
HSD-3.0D-125-C16-LU40	12.5	12.9	16	20	40	63.17	111.17	2.71	H3P 125	○
HSD-3.0D-130-C16-LU42	13	13.4	16	20	42	66.08	114.08	2.91	H3P 130	○
HSD-3.0D-135-C16-LU44	13.5	13.9	16	20	44	68.33	116.33	2.91	H3P 135	○
HSD-3.0D-140-C16-LU45	14	14.4	16	20	45	71.08	119.08	3.1	H3P 140	○
HSD-3.0D-145-C16-LU47	14.5	14.9	16	20	47	73.33	121.33	3.1	H3P 145	○
HSD-3.0D-150-C20-LU49	15	15.9	20	25	49	76.16	126.16	3.47	H3P 150	○
HSD-3.0D-160-C20-LU52	16	16.9	20	25	52	81.25	131.25	3.44	H3P 160	○
HSD-3.0D-170-C20-LU55	17	17.9	20	25	55	86.22	136.22	3.52	H3P 170	○
HSD-3.0D-180-C25-LU58	18	18.9	25	32	58	91.36	147.36	3.9	H3P 180	○
HSD-3.0D-190-C25-LU61	19	19.9	25	32	61	96.42	152.42	4.1	H3P 190	○
HSD-3.0D-200-C25-LU65	20	20.9	25	32	65	101.24	157.24	4.32	H3P 200	○
HSD-3.0D-210-C25-LU68	21	21.9	25	32	68	106.3	162.3	4.55	H3P 210	○
HSD-3.0D-220-C25-LU71	22	22.9	25	32	71	111.62	167.62	4.69	H3P 220	○
HSD-3.0D-230-C32-LU74	23	23.9	32	42	74	116.5	4.91	176.5	H3P 230	○
HSD-3.0D-240-C32-LU77	24	24.9	32	42	77	121.54	5.21	181.54	H3P 240	○
HSD-3.0D-250-C32-LU80	25	25.9	32	42	80	127.1	5.2	187.1	H3P 250	○

HSD-5D Crown drill bit 3 blade edges HSD-5



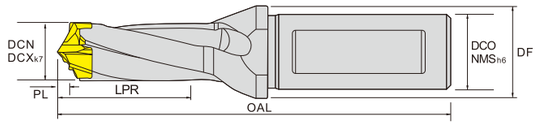


HSD-5D Crown drill bit 3 blade edges

(Specification)	(DCN)	(DCX)	(DOCNMS)	(DF)	(LU)	(LRP)	(OAR)	(PL)	(MIIDL)	(Stock)
HSD-5.0D-120-C16-LU63	12	12.4	16	20	63	84.92	132.92	2.71	H3P 120	○
HSD-5.0D-125-C16-LU65	12.5	12.9	16	20	65	88.17	136.17	2.71	H3P 125	○
HSD-5.0D-130-C16-LU68	13	13.4	16	20	68	92.08	140.08	2.91	H3P 130	○
HSD-5.0D-135-C16-LU71	13.5	13.9	16	20	71	95.33	143.33	2.91	H3P 135	○
HSD-5.0D-140-C16-LU73	14	14.4	16	20	73	99.08	147.08	3.1	H3P 140	○
HSD-5.0D-145-C16-LU76	14.5	14.9	16	20	76	102.33	150.33	3.1	H3P 145	○
HSD-5.0D-150-C20-LU79	15	15.9	20	25	79	106.16	156.16	3.47	H3P 150	○
HSD-5.0D-160-C20-LU84	16	16.9	20	25	84	113.25	163.25	3.44	H3P 160	○
HSD-5.0D-170-C20-LU89	17	17.9	20	25	89	120.22	170.22	3.52	H3P 170	○
HSD-5.0D-180-C25-LU94	18	18.9	25	32	94	127.36	183.36	3.9	H3P 180	○
HSD-5.0D-190-C25-LU99	19	19.9	25	32	99	134.42	190.42	4.1	H3P 190	○
HSD-5.0D-200-C25-LU105	20	20.9	25	32	105	141.24	197.24	4.32	H3P 200	○
HSD-5.0D-210-C25-LU110	21	21.9	25	32	110	148.3	204.3	4.55	H3P 210	○
HSD-5.0D-220-C25-LU115	22	22.9	25	32	115	155.62	211.62	4.69	H3P 220	○
HSD-5.0D-230-C32-LU120	23	23.9	32	42	120	162.5	2225	4.91	H3P 230	○
HSD-5.0D-240-C32-LU125	24	24.9	32	42	125	169.54	229.54	5.21	H3P 240	○
HSD-5.0D-250-C32-LU130	25	25.9	32	42	130	177.1	237.1	5.2	H3P 250	○

HSD-8D Crown drill bit 3 blade edges HSD-8



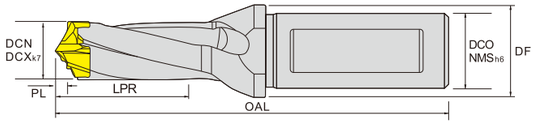


HSD-8D Crown drill bit 3 blade edges

(Specification)	(DCN)	(DCX)	(DOCNMS)	(DF)	(LU)	(LRP)	(OAR)	(PL)	(MIIDL)	(Stock)
HSD-8.0D-120-C16-LU99	12	12.4	16	20	99	120.92	168.9	2.71	H3P 120	○
HSD-8.0D-125-C16-LU103	12.5	12.9	16	20	103	125.67	173.7	2.71	H3P 125	○
HSD-8.0D-130-C16-LU107	13	13.4	16	20	107	131.08	179.1	2.91	H3P 130	○
HSD-8.0D-135-C16-LU111	13.5	13.9	16	20	111	135.83	183.8	2.91	H3P 135	○
HSD-8.0D-140-C16-LU115	14	14.4	16	20	115	141.08	189.1	3.1	H3P 140	○
HSD-8.0D-145-C16-LU119	14.5	14.9	16	20	119	145.83	193.8	3.1	H3P 145	○
HSD-8.0D-150-C20-LU124	15	15.9	20	25	124	151.16	201.2	3.47	H3P 150	○
HSD-8.0D-160-C20-LU132	16	16.9	20	25	132	161.25	211.3	3.44	H3P 160	○
HSD-8.0D-170-C20-LU140	17	17.9	20	25	140	171.22	221.3	3.52	H3P 170	○
HSD-8.0D-180-C20-LU148	18	18.9	25	32	148	181.36	237.4	3.9	H3P 180	○
HSD-8.0D-190-C25-LU156	19	19.9	25	32	156	191.42	247.4	4.1	H3P 190	○
HSD-8.0D-200-C25-LU165	20	20.9	25	32	165	201.24	257.2	4.32	H3P 200	○
HSD-8.0D-210-C25-LU173	21	21.9	25	32	173	211.3	267.3	4.55	H3P 210	○
HSD-8.0D-220-C25-LU181	22	22.9	25	32	181	221.62	277.6	4.69	H3P 220	○
HSD-8.0D-230-C32-LU189	23	23.9	32	42	189	231.5	291.5	176.5	H3P 230	○
HSD-8.0D-240-C32-LU198	24	24.9	32	42	198	241.54	301.5	181.54	H3P 240	○
HSD-8.0D-250-C32-LU205	25	25.9	32	42	205	252.1	312.1	187.1	H3P 250	○

HSD-10D Crown drill bit 3 blade edges HSD-10



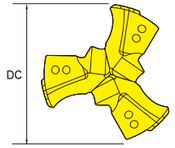


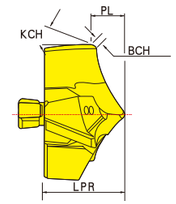
HSD-10D Crown drill bit 3 blade edges

(Specification)	(DCN)	(DCX)	(DOCNMS)	(DF)	(LU)	(LRP)	(OAR)	(PL)	(MIIDL)	(Stock)
HSD-10.0D-120-C16-LU123	12	12.49	16	20	123	145	193	2.71	H3P 120	○
HSD-10.0D-125-C16-LU128	12.5	12.99	16	20	128	151	199	2.71	H3P 125	○
HSD-10.0D-130-C16-LU133	13	13.49	16	20	133	158	206	2.91	H3P 130	○
HSD-10.0D-135-C16-LU138	13.5	13.99	16	20	138	163	211	3.1	H3P 135	○
HSD-10.0D-140-C16-LU143	14	14.49	16	20	143	170	218	3.1	H3P 140	○
HSD-10.0D-145-C20-LU148	14.5	14.99	16	20	148	175	223	3.1	H3P 145	○
HSD-10.0D-150-C20-LU154	15	15.99	20	25	154	182	232	3.47	H3P 150	○
HSD-10.0D-160-C20-LU164	16	16.99	20	25	164	194	244	3.47	H3P 160	○
HSD-10.0D-170-C20-LU174	17	17.99	20	25	174	206	256	3.52	H3P 170	○
HSD-10.0D-180-C25-LU184	18	18.99	25	32	184	218	274	3.9	H3P 180	○
HSD-10.0D-190-C25-LU194	19	19.99	25	32	194	230	286	4.1	H3P 190	○
HSD-10.0D-200-C25-LU205	20	20.99	25	32	205	242	298	4.69	H3P 200	○
HSD-10.0D-210-C25-LU215	21	21.99	25	32	215	254	310	4.55	H3P 210	○
HSD-10.0D-220-C25-LU225	22	22.99	25	32	225	266	322	4.69	H3P 220	○
HSD-10.0D-230-C32-LU235	23	23.99	32	42	235	278	338	4.91	H3P 230	○
HSD-10.0D-240-C32-LU246	24	24.99	32	42	246	290	350	5.21	H3P 240	○
HSD-10.0D-250-C32-LU256	25	25.99	32	42	256	303	363	5.2	H3P 250	○

HSD Crown drill bit 3 blade edges HSD-







HSD Crown drill bit 3 blade edges

規格碁 (Specification)	DC	LPR	PL	KCH	BCH	Grade	庫 (Stock)
H3P 120-129-IQ	D12.00-D12.99	6.92	2.71	15	0.4	IC908	○
H3P 130-139-IQ	D13.00-D13.99	7.58	2.91	15	0.4	IC908	○
H3P 140-149-IQ	D14.00-D14.99	8.08	3.1	15	0.4	IC908	○
H3P 150-159-IQ	D15.00-D15.99	8.66	3.47	15	0.4	IC908	○
H3P 160-169-IQ	D16.00-D16.99	9.25	3.44	15	0.4	IC908	○
H3P 170-179-IQ	D17.00-D17.99	9.72	3.44	15	0.4	IC908	○
H3P 180-189-IQ	D18.00-D18.99	10.36	3.9	15	0.4	IC908	○
H3P 190-199-IQ	D19.00-D19.99	10.92	4.1	15	0.4	IC908	○
H3P 200-209-IQ	D20.00-D20.99	11.24	4.32	15	0.4	IC908	○
H3P 210-219-IQ	D21.00-D21.99	11.8	4.55	15	0.4	IC908	○
H3P 220-229-IQ	D22.00-D22.99	12.62	4.69	15	0.4	IC908	○
H3P 230-239-IQ	D23.00-D23.99	13	4.91	15	0.4	IC908	○
H3P 240-249-IQ	D24.00-D24.99	13.54	5.21	15	0.4	IC908	○
H3P 250-259-IQ	D25.00-D25.99	14.6	5.2	15	0.4	IC908	○

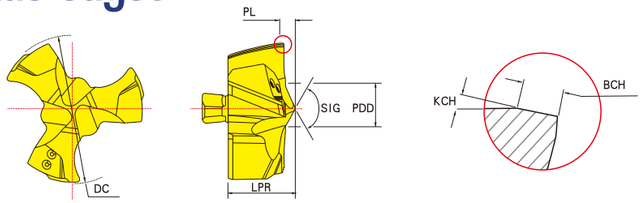
Prehole Adjustment

PreHole / Hole	ICP/ ICM/ ICN/ IHP	ICK	HCP/H3P	FCP/F3P	QCP	ICG
ICP/ ICM/ ICN/ IHP	IHP/ ICP/M/N PreHole ✓	ICK PreHole ✗	H#P PreHole ✗	FCP PreHole ✗	QCP PreHole ✗	ICG PreHole ✗
ICK	IHP/ ICP/M/N PreHole ✓	ICK PreHole ✓	H#P PreHole ✗	FCP PreHole ✗	QCP PreHole ✗	ICG PreHole ✗
HCP/ H3P	IHP/ ICP/M/N PreHole ✓	ICK PreHole ✗	H#P PreHole ✓	FCP PreHole ✓	QCP PreHole ✗	ICG PreHole ✗
FCP/ F3P	IHP/ ICP/M/N PreHole ✗	ICK PreHole ✗	H#P PreHole ✗	FCP PreHole ✓	QCP PreHole ✗	ICG PreHole ✗
QCP	IHP/ ICP/M/N PreHole ✓	ICK PreHole ✗	H#P PreHole ✗	FCP PreHole ✓	QCP PreHole ✓	ICG PreHole ✗
ICG	IHP/ ICP/M/N PreHole ✓	ICK PreHole ✗	H#P PreHole ✗	FCP PreHole ✗	QCP PreHole ✗	ICG PreHole ✓

*For proper insert performance and centering, a bigger insert within a 1.0 mm range of the same diameter may be used.

HSD Crown drill bit 3 blade edges HSD-





■ HSD Crown drill bit 3 blade edges

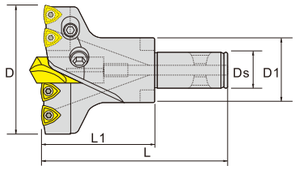
(Specification)	DC	LPR	PL	KCH	BCH	Grade	庫存 (Stock)
F3P 120-129-IQ	D12.00-D12.99	4.9	2.96	133	0.4	IC908	○
F3P 130-139-IQ	D13.00-D13.99	5.39	3.52	130	0.4	IC908	○
F3P 140-149-IQ	D14.00-D14.99	6.14	4.9	125	0.4	IC908	○
F3P 150-159-IQ	D15.00-D15.99	6.51	4.91	125	0.4	IC908	○
F3P 160-169-IQ	D16.00-D16.99	7.23	5.36	127	0.4	IC908	○
F3P 170-179-IQ	D17.00-D17.99	7.35	5.72	122	0.4	IC908	○
F3P 180-189-IQ	D18.00-D18.99	7.65	5.75	125	0.4	IC908	○
F3P 190-199-IQ	D19.00-D19.99	8.07	6.35	133	0.4	IC908	○
F3P 200-209-IQ	D20.00-D20.99	8.82	6.54	132	0.4	IC908	○
F3P 210-219-IQ	D21.00-D21.99	9.23	6.94	132	0.4	IC908	○
F3P 220-229-IQ	D22.00-D22.99	9.67	7.19	132	0.4	IC908	○
F3P 230-239-IQ	D23.00-D23.99	9.78	7.84	134	0.4	IC908	○
F3P 240-249-IQ	D24.00-D24.99	9.91	7.42	132	0.4	IC908	○
F3P 250-259-IQ	D25.00-D25.99	10.27	7.98	132	0.4	IC908	○

HMD Violence drill



HMD Roughening bit HMD-



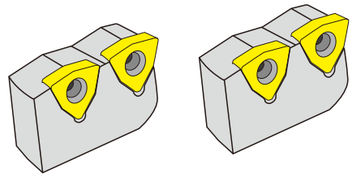


■ HMD Roughening bit

(Specification)	(Size and shape)					(Centering drill)	(Blade holder)	Insert	Screw	Wrench	(Stock)
	(D)	(DS)	(D1)	(L1)	(L1)						
HMD-045050-WC03	45-50	13	28	50	85	PLD-V1035-TiN-H	HMC-045050N/T	WC03	M2.5x6L	T8	●
HMD-050055-WC03	50-55	13	28	50	85		HMC-050055N/T				●
HMD-055060-WC04	55-60	16	32	60	100	PLD-V1238-TiN-H	HMC-055060N/T	WC04			●
HMD-060065-WC05	60-65	16	32	60	100		HMC-060065N/T	WC05	M3.0x7L		●
HMD-065070-WC05	65-70	16	32	60	100		HMC-065070N/T				●
HMD-070075-WC06	70-75	22	40	70	115		HMG-070075N/T	WC06	M3.5x9L	T15	●
HMD-075080-WC06	75-80	22	40	70	115		HMC-075080N/T				●
HMD-080085-WC06	80-85	22	40	70	115	PLD-V1645-TiN-H	HMC-080085N/T				●
HMD-085090-WC06	85-90	27	48	70	120		HMC-085090N/T				●
HMD-090095-WC06	90-95	27	48	70	120		HMC-090095N/T				●
HMD-095100-WC06	95-100	27	48	70	120		HMC-095100N/T				●
HMD-100105-WC05	100-105	32	58	80	130	PLD-V2045-TiN-H	HMC-100105N/T	WC05	M3.0x7L	T8	●
HMD-105110-WC06	105-110	32	58	80	130		HMC-105110N/T	WC06	M3.5x9L	T15	●
HMD-110115-WC06	110-115	32	58	80	130		HMG-110115N/T				●
HMD-115120-WC06	115-120	40	70	90	145		HMC-115120N/T				●
HMD-120125-WC06	120-125	40	70	90	145	PLD-V2556-TiN-H	HMG-120125N/T				●
HMD-125130-WC06	125-130	40	70	90	145		HMC-125130N/T				●
HMD-130135-WC06	130-135	40	70	90	145		HMC-130135N/T				●
HMD-135140-WC06	135-140	40	70	90	145		HMC-135140N/T				●
HMD-140150-WC08	140-150	50	80	100	160		HMG-140150N/T	WC08	M4.0x10L		●
HMD-150160-WC08	150-160	50	80	100	160		HMC-150160N/T				●
HMD-160170-WC08	160-170	50	80	100	160	PLD-V3068-TiN-H	HMC-160170N/T				●
HMD-170180-WC08	170-180	50	80	100	160		HMC-170180N/T				●

HMD Blade holder HMD-



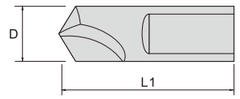


■ HMD Blade holder

(Specification)	(N)	(T)	Insert	Number of blade edges	Screw	Wrench	(Stock)
45-50	HMC-045050N	HMC-045050T	WCMX030208	2	M2.5x6L	T8	●
50-55	HMC-050055N	HMC-050055T					●
55-60	HMC-055060N	HMC-055060T	WCMX040208	2			●
60-65	HMC-060065N	HMC-060065T	WCMX050308	2	M3.0x7L		●
65-70	HMC-065070N	HMC-065070T					●
70-75	HMG-070075N	HMG-070075T	WCMT06T308	2	M3.5x9L	T15	●
75-80	HMC-075080N	HMC-075080T					●
80-85	HMC-080085N	HMC-080085T					●
85-90	HMC-085090N	HMC-085090T					●
90-95	HMC-090095N	HMC-090095T					●
95-100	HMC-095100N	HMC-095100T					●
100-105	HMC-100105N	HMC-100105T	WCMX050308	3	M3.0x7L	T8	●
105-110	HMC-105110N	HMC-105110T	WCMT06T308	3	M3.5x9L	T15	●
110-115	HMG-110115N	HMG-110115T					●
115-120	HMC-115120N	HMC-115120T					●
120-125	HMG-120125N	HMG-120125T					●
125-130	HMC-125130N	HMC-125130T					●
130-135	HMC-130135N	HMC-130135T					●
135-140	HMC-135140N	HMC-135140T					●
140-150	HMG-140150NT	HMG-140150NT	WCMT080412	3	M4.0x10L		●
150-160	HMC-150160NT	HMC-150160NT					●
160-170	HMC-160170NT	HMC-160170NT					●
170-180	HMC-170180NT	HMC-170180NT					●

HMD Fixed point bit HMD-



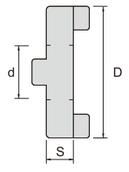


■ HMD Fixed point bit

(Specification)	(Size and shape)		(Stock)
	(D)	(L1)	
PLD-V0630 TiN-H	6	30	●
PLD-V0835 TiN-H	8	35	●
PLD-V1035 TiN-H	10	35	●
PLD-V1238 TiN-H	12	35	●
PLD-V1645 TiN-H	16	45	●
PLD-V2045 TiN-H	20	45	●
PLD-V2556 TiN-H	25	56	●
PLD-V3068 TiN-H	30	68	●

HMD Link ring HMD-



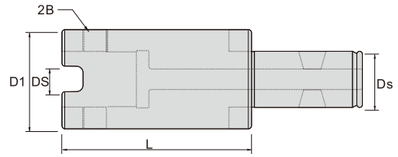


■ HMD Link ring

(Specification)	(Size and shape)			(Stock)
	D	d	S	
HVR-281310	28	13	10	●
HVR-321610	32	16	10	●
HVR-402212	40	22	12	●
HVR-482712	48	27	12	●
HVR-583214	58	32	14	●
HVR-704014	70	40	14	●
HVR-805016	80	50	16	●

HMD Extension rod HMD-



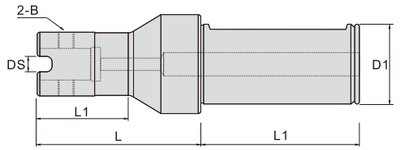


■ HMD Extension rod

(Specification)	(Size and shape)				(2-B)	(Connecting Ring)	(Stock)
	(D1)	(DS)	(L)	(Ds)			
YCG-2813115	28	13	115	13	M8.0x11.5L	HVR-281310	●
YCG-2813150			150				●
YCG-2813200			200				●
YCG-2813300			300				●
YCG-3216115	32	16	115	16		HVR-321610	●
YCG-3216200			200				●
YCG-3216300			300				●
YCG-4022113	40	22	113	22	M10x14.5L	HVR-402212	●
YCG-4022200			200				●
YCG-4827113	48	27	113	27	M12x17.5L	HVR-482712	●
YCG-4827200			200				●
YCG-4827300			300				●
YCG-5832186	58	32	186	32		HVR-583214	●
YCG-5832300			300				●
YCG-7040186	70	40	186	40	M16x26.5L	HVR-704014	●
YCG-7040300			300				●
YCG-7040500			500				●
YCG-8050204	80	50	204	50		HVR-805016	●
YCG-8050300			300				●
YCG-8050500			500				●

HMD Side fixed connecting rod HMD-



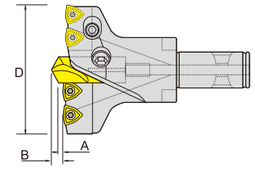


HMD Side fixed connecting rod

(Specification)	(Size and shape)					(2-B)	(Connecting Ring)	(Stock)
	(D1)	(L)	(L1)	(DS)	(D1) (L1)			
HXA-3213115	28	115	77	13	32/70	M8.0X11.5L	HVR-281310	●
HXA-3213200	28	200	165	13	32/70			●
HXA-3213300	28	300	265	13	32/70			●
HXA-4016125	32	125	86	16	40/80		HVR-321610	●
HXA-4016200	32	200	161	16	40/80			●
HXA-4016300	32	300	261	16	40/80			●
HXA-4022148	40	148	109	22	40/80	M10X14.5L	HVR-402212	●
HXA-4022200	40	200	161	22	40/80			●
HXA-4022300	40	300	161	22	40/80			●
HXA-4027168	48	168	133	27	40/80	M12X17.5L	HVR482712	●
HXA-4027300	48	300	265	27	40/80			●
HXA-4032186	58	168	151	32	40/80		HVR-583214	●
HXA-4032300	58	300	162	32	40/80			●
HXA-5040186	70	168	151	40	50/80	M16X26.5L	HVR-704014	●
HXA-5040300	70	300	265	40	50/80			●
HXA-5050184	80	184	149	50	50/80		HVR-805016	●
HXA-5050300	80	300	265	50	50/80			●

HMD CNC tool parts list HMD-





HMD CNC tool parts list

(Specification)	(Blade screw)	(Screws for the toolholder)	(Setting screw)	(Side screw fixation)	(Hydraulic screw)
45-50	M2.5X6L	M0410BH-W	M0610SS	M0815SS-H	M0408SS
50-55					
55-60		M0512BH-W	M0812SS	M0815SS-H	M0508SS
60-65	M3.0X7.0L				
65-70					
70-75	M3.5X9.0L		M0815SS		M0510SS
75-80		M0612HC-W	M1015SS	M1015SS-H	M0610SS
80-85		M0614HC-W			
85-90		M0616HC-W	M1020SS	M1016SS-H	M0612SS
90-95					
95-100					
100-105	M3.0X7.0L	M0818HC-W		M1220SS-H	
105-110	M3.5X9.0L				
110-115					
115-120		M0820HC-W	M1225SS	M1420SS-H	
120-125		M0825HC-W	M1425SS		M0615SS
125-130					
130-135					
135-140					
140-150	M4.0X10L				
150-160					
160-170			M1625SS		M0620SS
170-180					

EMDT Violence drill

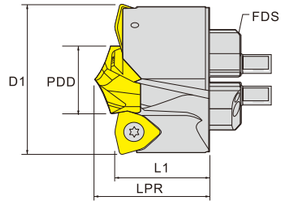
EMDT



EMDT violence drill EMDT

(D31.75-D35.00)





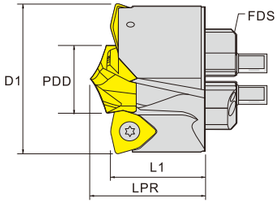
■ EMDT violence drill

(Specification)	(D1)	(PDD)	(DFT)	(LPR)	(L1)	(FDS)	(SSC)	(Stock)
EMDT3170-FDS32-DFT05-D15-LU20	31.75	15	DFT05T308D32DS KCU25	23.04	20	FDS32	A	●
EMDT3200-FDS32-DFT05-D15-LU20	32	15		23.04	20	FDS32	A	●
EMDT3300-FDS32-DFT05-D16-LU20	33	16	DFT05T308D33DS KCU25	23.21	20	FDS32	1	●
EMDT3320-FDS32-DFT05-D16-LU20	33.2	16		23.21	20	FDS32	1	●
EMDT3335-FDS32-DFT05-D17-LU20	33.35	17		23.39	20	FDS32	1	●
EMDT3400-FDS32-DFT05-D17-LU20	34	17		23.39	20	FDS32	1	●
EMDT3492-FDS32-DFT05-D18-LU20	34.925	18		23.57	20	FDS32	1	●
EMDT3500-FDS32-DFT05-D18-LU20	35	18		23.57	20	FDS32	1	●

EMDT violence drill EMDT

(D36.00-D39.70)





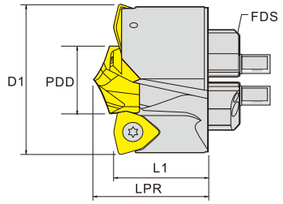
■ EMDT violence drill

(Specification)	(D1)	(PDD)	(DFT)	(LPR)	(L1)	(FDS)	(SSC)	(Stock)
EMDT3600-FDS36-DFT06-D13-LU20	36	13	DFT06T308D36DS KCU25	22.69	20	FDS36	C	●
EMDT3652-FDS36-DFT06-D14-LU20	36.525	14		22.86	20	FDS36	B	●
EMDT3700-FDS36-DFT06-D14-LU20	37	14		22.86	20	FDS36	B	●
EMDT3750-FDS36-DFT06-D15-LU20	37.5	15		23.04	20	FDS36	A	●
EMDT3800-FDS36-DFT06-D15-LU20	38	15	DFT06T308D39DS KCU25	23.04	20	FDS36	A	●
EMDT3810-FDS36-DFT06-D15-LU20	38.1	15		23.04	20	FDS36	A	●
EMDT3900-FDS36-DFT06-D16-LU20	39	16		23.21	20	FDS36	1	●
EMDT3920-FDS36-DFT06-D16-LU20	39.2	16		23.21	20	FDS36	1	●
EMDT3970-FDS36-DFT06-D16-LU20	39.7	17		23.39		FDS36	1	●

EMDT violence drill EMDT

(D40.00-D44.45)





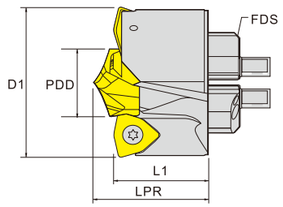
■ EMDT violence drill

(Specification)	(D1)	(PDD)	(DFT)	(LPR)	(L1)	(FDS)	(SSC)	(Stock)
EMDT4000-FDS40-DFT06-D17-LU25	40	17	DFT06T308D39DS KCU25	28.59	25	FDS40	1	●
EMDT4100-FDS40-DFT06-D18-LU25	41	18		28.77	25	FDS40	1	●
EMDT4127-FDS40-DFT06-D18-LU25	41.275	18		28.77	25	FDS40	1	●
EMDT4200-FDS40-DFT06-D18-LU25	42	19		28.94	25	FDS40	2	●
EMDT4300-FDS40-DFT06-D20-LU25	43	20		29.12	25	FDS40	3	●
EMDT4400-FDS40-DFT06-D21-LU25	44	21	DFT06T308D44DS KCU25	29.29	25	FDS40	3	●
EMDT4445-FDS40-DFT06-D22-LU25	44.45	22		29.47	25	FDS40	3	●

EMDT violence drill EMDT

(D45.00-D49.00)





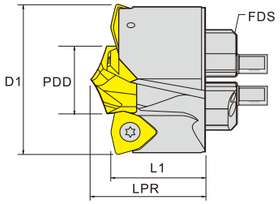
■ EMDT violence drill

(Specification)	(D1)	(PDD)	(DFT)	(LPR)	(L1)	(FDS)	(SSC)	(Stock)
EMDT4500-FDS45-DFT07-D18-LU25	45.00	18	DFT070408D45DS KCU25	28.77	25	FDS45	1	●
EMDT4600-FDS45-DFT07-D19-LU25	46	19		28.94	25	FDS45	2	●
EMDT4700-FDS45-DFT07-D20-LU25	47	20		29.12	25	FDS45	3	●
EMDT4762-FDS45-DFT07-D21-LU25	47.625	21		29.29	25	FDS45	3	●
EMDT4800-FDS45-DFT07-D21-LU25	48	21		29.29	25	FDS45	3	●
EMDT4900-FDS45-DFT07-D22-LU25	49	22		29.47	25	FDS45	3	●

EMDT violence drill EMDT

(D50.00-D56.00)





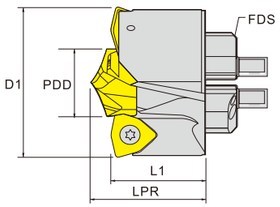
■ EMDT violence drill

(Specification)	(D1)	(PDD)	(DFT)	(LPR)	(L1)	(FDS)	(SSC)	(Stock)
EMDT5000-FDS50-DFT07-D23-LU30	50	23	DFT070408D50DS KCU25	34.84	30	FDS50	4	●
EMDT5080-FDS50-DFT07-D24-LU30	50.8	24		35.02	30	FDS50	4	●
EMDT5100-FDS50-DFT07-D24-LU30	51	24		35.02	30	FDS50	4	●
EMDT5200-FDS50-DFT07-D25-LU30	52	25		35.2	30	FDS50	5	●
EMDT5300-FDS50-DFT07-D26-LU30	53	26		35.37	30	FDS50	5	●
EMDT5397-FDS50-DFT07-D27-LU30	53.975	27		35.55	30	FDS50	6	●
EMDT5400-FDS50-DFT07-D27-LU30	54	27		35.55	30	FDS50	6	●
EMDT5500-FDS50-DFT07-D28-LU30	55	28		35.72	30	FDS50	6	●
EMDT5600-FDS50-DFT09-D20-LU30	56	20	DFT090508D56DS KCU25	34.32	30	FDS50	3	●

EMDT violence drill EMDT

(D57.00-D62.00)





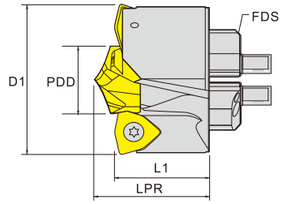
■ EMDT violence drill

(Specification)	(D1)	(PDD)	(DFT)	(LPR)	(L1)	(FDS)	(SSC)	(Stock)
EMDT5700-FDS56-DFT09-D21-LU30	57	21	DFT090508D56DS KCU25	34.49	30	FDS56	3	●
EMDT5715-FDS56-DFT09-D21-LU30	57	21		34.49	30	FDS56	3	●
EMDT5800-FDS56-DFT09-D22-LU30	58	22		34.67	30	FDS56	3	●
EMDT5900-FDS56-DFT09-D23-LU30	59	23		34.84	30	FDS56	4	●
EMDT6000-FDS56-DFT09-D24-LU30	60	24		35.02	30	FDS56	4	●
EMDT6033-FDS56-DFT09-D24-LU30	60.33	24		35.02	30	FDS56	4	●
EMDT6100-FDS56-DFT09-D25-LU30	61	25		35.2	30	FDS56	5	●
EMDT6200-FDS56-DFT09-D26-LU30	62	26		35.37	30	FDS56	5	●

EMDT violence drill EMDT

(D63.00-D70.00)





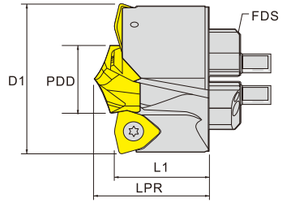
■ EMDT violence drill

(Specification)	(D1)	(PDD)	(DFT)	(LPR)	(L1)	(FDS)	(SSC)	(Stock)
EMDT6300-FDS63-DFT09-D27-LU36	63	27	DFT090508D63DS KCU25	41.75	38	FDS63	6	●
EMDT6350-FDS63-DFT09-D28-LU36	63.5	28		41.92	36	FDS63	6	●
EMDT6400-FDS63-DFT09-D28-LU36	64	28		41.92	36	FDS63	6	●
EMDT6500-FDS63-DFT09-D29-LU36	65	29		42.1	36	FDS63	7	●
EMDT6600-FDS63-DFT09-D30-LU36	66	30		42.28	36	FDS63	7	●
EMDT6668-FDS63-DFT09-D31-LU36	66.68	31		42.45	36	FDS63	8	●
EMDT6700-FDS63-DFT09-D31-LU36	67	31		42.45	36	FDS63	8	●
EMDT6800-FDS63-DFT09-D32-LU36	68	32		42.63	36	FDS63	8	●
EMDT6900-FDS63-DFT09-D33-LU36	69	33		42.8	36	FDS63	9	●
EMDT6985-FDS63-DFT09-D34-LU36	69.85	34		42.98	36	FDS63	9	●
EMDT7000-FDS63-DFT09-D34-LU36	70	34		42.98	36	FDS63	9	●

EMDT violence drill EMDT

(D71.00-D78.00)





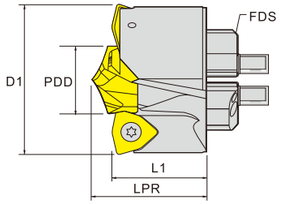
■ EMDT violence drill

(Specification)	(D1)	(PDD)	(DFT)	(LPR)	(L1)	(FDS)	(SSC)	(Stock)
EMDT7100-FDS71-DFT**-D26-LU39	71	26		46.77	38.53	FDS71	5	●
EMDT7200-FDS71-DFT**-D27-LU39	72	27		46.95	38.53	FDS71	6	●
EMDT7300-FDS71-DFT**-D28-LU39	73	28		47.12	38.53	FDS71	6	●
EMDT7303-FDS71-DFT**-D28-LU39	73.025	28		47	38.53	FDS71	6	●
EMDT7400-FDS71-DFT**-D29-LU39	74	29		47.3	38.53	FDS71	7	●
EMDT7500-FDS71-DFT**-D30-LU39	75	30		47.48	38.53	FDS71	7	●
EMDT7600-FDS71-DFT**-D31-LU39	76	31		47.65	38.53	FDS71	8	●
EMDT7620-FDS71-DFT**-D31-LU39	76.2	31		47.65	38.53	FDS71	8	●
EMDT7800-FDS71-DFT**-D33-LU39	78	33		48	38.53	FDS71	9	●

EMDT violence drill EMDT

(D79.375-D92.00)





■ EMDT violence drill

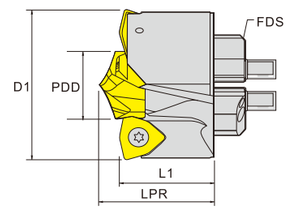
(Specification)	(D1)	(PDD)	(DFT)	(LPR)	(L1)	(FDS)	(SSC)	(Stock)
EMDT7938-FDS80-DFT**-D31-LU43	79.375	31		52.76	43.26	FDS80	8	●
EMDT8000-FDS80-DFT**-D31-LU43	80	31		52.76	43.26	FDS80	8	●
EMDT8255-FDS80-DFT**-D34-LU43	82.55	34		53.29	43.26	FDS80	9	●
EMDT8400-FDS80-DFT**-D35-LU43	84	35		53.46	43.26	FDS80	9	●
EMDT8600-FDS80-DFT**-D37-LU43	86	37		53.82	43.26	FDS80	10	●
EMDT8890-FDS80-DFT**-D40-LU43	88.9	40		54.34	43.26	FDS80	10	●
EMDT9200-FDS90-DFT**-D39-LU48	92	39		59.57	48.26	FDS90	10	●

EMDT violent drill accessories EMDT



■ EMDT violence drill

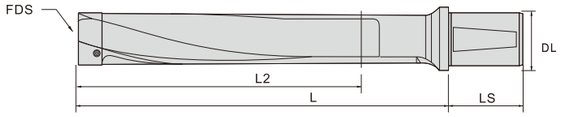
(Specification)	(FDS)	(Blade screw)	(Wrench)	(Double headed screw)	(Wrench)
D28.00-D29.50	FDS28			M3.0*M2.5	T6
D30.00-D31.50	FDS28			M3.5*M2.5	H1.5
D31.75-D32.00	FDS32			M3.0*M2.5	T6
D33.00-D35.00	FDS32			M3.5*M2.5	H1.5
D36.00-D36.00	FDS36			M2.5*M2.5	T5
D36.50-D38.10	FDS36			M3.0*M2.5	T6
D39.00-D39.70	FDS36			M3.5*M2.5	H1.5
D40.00-D41.30	FDS40			M3.5*M2.5	H1.5
D42.00-D42.00	FDS40			M3.5*M3.0	H1.5
D43.00-D44.45	FDS40			M4.0*M3.0	H2.0
D45.00-D45.00	FDS45			M3.5*M2.5	H1.5
D46.00-D46.00	FDS45			M3.5*M3.0	H1.5
D47.00-D49.00	FDS45			M4.0*M3.0	H2.0
D50.00-D51.00	FDS50			M4.0*M3.0	H2.0



(Specification)	(FDS)	(Blade screw)	(Wrench)	(Double headed screw)	(Wrench)
D52.00-D55.00	FDS50			M5.0*M4.0	H2.5
D56.00-D56.00	FDS50			M4.0*M3.0	H2.0
D57.00-D60.33	FDS56			M4.0*M3.0	H2.0
D61.00-D62.00	FDS56			M5.0*M4.0	H2.5
D63.00-D64.00	FDS63			M5.0*M4.0	H2.5
D65.00-D68.00	FDS63			M6.0*M5.0	H3.0
D69.00-D70.00	FDS63			M6.0*M6.0	H3.0
D71.00-D73.02	FDS71			M5.0*M4.0	H2.5
D74.00-D76.20	FDS71			M6.0*M5.0	H3.0
D78.00-D78.00	FDS71			M6.0*M6.0	H3.0
D79.00-D80.00	FDS80			M6.0*M5.0	H3.0
D82.55-D88.90	FDS80			M6.0*M6.0	H3.0
D92.00-D100.00	FDS90			M6.0*M6.0	H3.0
D92.00-D100.00	FDS90				

EMDG 1.5DForce drill connecting rod EMDG 1.5D



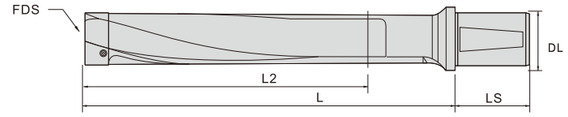


■ EMDG 1.5D Force drill connecting rod

(Installation scope)	(Specification)	(FDS)	(C)	(L1)	(L2)	(L3)	Caudal foramen distance	(Stock)
28.00-31.00	EMDG-1.5D-FDS28-C32-LU032	FDS28	32	76	32	58	M10*1.0	●
31.42-35.00	EMDG-1.5D-FDS32-C32-LU034	FDS32	32	82	34	58	M10*1.0	●
36.00-39.70	EMDG-1.5D-FDS36-C32-LU040	FDS36	32	92	40	58	M10*1.0	●
40.00-44.45	EMDG-1.5D-FDS40-C50-LU043	FDS40	50	100	43	68	M10*1.0	●
45.00-49.00	EMDG-1.5D-FDS45-C50-LU050	FDS45	50	112	50	68	M10*1.0	●
50.00-55.00	EMDG-1.5D-FDS50-C50-LU054	FDS50	50	122	54	68	M10*1.0	●
56.00-62.00	EMDG-1.5D-FDS56-C50-LU065	FDS56	50	140	65	68	M10*1.0	●
63.00-70.00	EMDG-1.5D-FDS63-C50-LU071	FDS63	50	154	71	68	M10*1.0	●
71.00-79.00	EMDG-1.5D-FDS71-C50-LU080	FDS71	50	172	80	68	M10*1.0	●
80.00-89.00	EMDG-1.5D-FDS80-C50-LU090	FDS80	50	192	90	68	M10*1.0	●
90.00-100.00	EMDG-1.5D-FDS90-C50-LU100	FDS90	50	212	100	68	M10*1.0	●

EMDG 3DForce drill connecting rod EMDG 3D



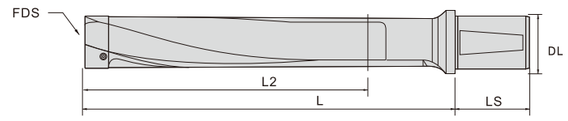


■ EMDG 3D Force drill connecting rod

(Installation scope)	(Specification)	(FDS)	(C)	(L1)	(L2)	(L3)	Caudal foramen distance	(Stock)
28.00-31.00	EMDG-3D-FDS28-C32-LU071	FDS28	32	128	71	58	M10*1.0	●
31.42-35.00	EMDG-3D-FDS32-C32-LU085	FDS32	32	146	85	58	M10*1.0	●
36.00-39.70	EMDG-3D-FDS36-C32-LU097	FDS36	32	166	97	58	M10*1.0	●
40.00-44.45	EMDG-3D-FDS40-C50-LU107	FDS40	50	183	107	68	M10*1.0	●
45.00-49.00	EMDG-3D-FDS45-C50-LU122	FDS45	50	206	122	68	M10*1.0	●
50.00-55.00	EMDG-3D-FDS50-C50-LU135	FDS50	50	228	135	68	M10*1.0	●
56.00-62.00	EMDG-3D-FDS56-C50-LU156	FDS56	50	259	156	68	M10*1.0	●
63.00-70.00	EMDG-3D-FDS63-C50-LU174	FDS63	50	289	174	68	M10*1.0	●
71.00-79.00	EMDG-3D-FDS71-C50-LU200	FDS71	50	292	200	68	M10*1.0	●
80.00-89.00	EMDG-3D-FDS80-C50-LU225	FDS80	50	327	225	68	M10*1.0	●
90.00-100.00	EMDG-3D-FDS90-C50-LU250	FDS90	50	362	250	68	M10*1.0	●

EMDG 5DForce drill connecting rod EMDG 5D



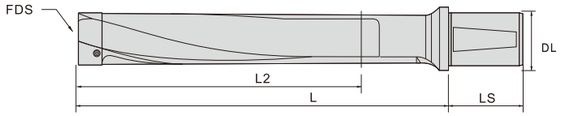


■ EMDG 5D Force drill connecting rod

(Installation scope)	(Specification)	(FDS)	(C)	(L1)	(L2)	(L3)	Caudal foramen distance	(Stock)
28.00-31.00	EMDG-5D-FDS28-C32-LU133	FDS28	32	190	133	58	M10*1.0	●
31.42-35.00	EMDG-5D-FDS32-C32-LU155	FDS32	32	216	155	58	M10*1.0	●
36.00-39.70	EMDG-5D-FDS36-C32-LU175	FDS36	32	244	175	58	M10*1.0	●
40.00-44.45	EMDG-5D-FDS40-C50-LU195	FDS40	50	271	195	68	M10*1.0	●
45.00-49.00	EMDG-5D-FDS45-C50-LU220	FDS45	50	304	220	68	M10*1.0	●
50.00-55.00	EMDG-5D-FDS50-C50-LU245	FDS50	50	338	245	68	M10*1.0	●
56.00-62.00	EMDG-5D-FDS56-C50-LU280	FDS56	50	383	280	68	M10*1.0	●
63.00-70.00	EMDG-5D-FDS63-C50-LU314	FDS63	50	429	314	68	M10*1.0	●
71.00-79.00	EMDG-5D-FDS71-C50-LU360	FDS71	50	452	360	68	M10*1.0	●
80.00-89.00	EMDG-5D-FDS80-C50-LU405	FDS80	50	507	405	68	M10*1.0	●
90.00-100.00	EMDG-5D-FDS90-C50-LU450	FDS90	50	562	450	68	M10*1.0	●

EMDG 8DForce drill connecting rod EMDG 8D



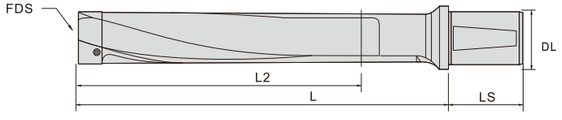


EMDG 8D Force drill connecting rod

(Installation scope)	(Specification)	(FDS)	(C)	(L1)	(L2)	(L3)	Caudal foramen distance	(Stock)
28.00-31.00	EMDG-8D-FDS28-C32-LU226	FDS28	32	283	226	58	M10*1.0	●
31.42-35.00	EMDG-8D-FDS32-C32-LU260	FDS32	32	321	260	58	M10*1.0	●
36.00-39.70	EMDG-8D-FDS36-C32-LU292	FDS36	32	361	292	58	M10*1.0	●
40.00-44.45	EMDG-8D-FDS40-C50-LU327	FDS40	50	403	327	68	M10*1.0	●
45.00-49.00	EMDG-8D-FDS45-C50-LU367	FDS45	50	451	367	68	M10*1.0	●
50.00-55.00	EMDG-8D-FDS50-C50-LU410	FDS50	50	503	410	68	M10*1.0	●
56.00-62.00	EMDG-8D-FDS56-C50-LU466	FDS56	50	569	466	68	M10*1.0	●
63.00-70.00	EMDG-8D-FDS63-C50-LU524	FDS63	50	639	524	68	M10*1.0	●

EMDG 10DForce drill connecting rod EMDG 10D



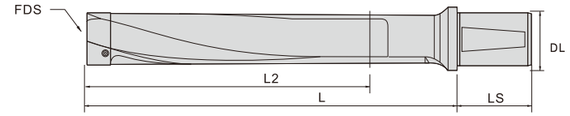


EMDG 10D Force drill connecting rod

(Installation scope)	(Specification)	(FDS)	(C)	(L1)	(L2)	(L3)	Caudal foramen distance	(Stock)
28.00-31.00	EMDG-10D-FDS28-C32-LU288	FDS28	32	345	288	58	M10*1.0	●
31.42-35.00	EMDG-10D-FDS32-C32-LU330	FDS32	32	391	330	58	M10*1.0	●
36.00-39.70	EMDG-10D-FDS36-C32-LU370	FDS36	32	439	370	58	M10*1.0	●
40.00-44.45	EMDG-10D-FDS40-C50-LU415	FDS40	50	491	415	68	M10*1.0	●
45.00-49.00	EMDG-10D-FDS45-C50-LU465	FDS45	50	549	465	68	M10*1.0	●
50.00-55.00	EMDG-10D-FDS50-C50-LU520	FDS50	50	613	520	68	M10*1.0	●
56.00-62.00	EMDG-10D-FDS56-C50-LU590	FDS56	50	693	590	68	M10*1.0	●
63.00-70.00	EMDG-10D-FDS63-C50-LU664	FDS63	50	779	664	68	M10*1.0	●

EMDG 12DForce drill connecting rod EMDG 12D



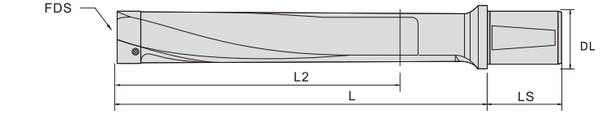


EMDG 12D Force drill connecting rod

(Installation scope)	(Specification)	(FDS)	(C)	(L1)	(L2)	(L3)	Caudal foramen distance	(Stock)
28.00-31.00	EMDG-12D-FDS28-C32-LU***	FDS28	32			58	M10*1.0	●
31.42-35.00	EMDG-12D-FDS32-C32-LU***	FDS32	32			58	M10*1.0	●
36.00-39.70	EMDG-12D-FDS36-C32-LU***	FDS36	32			58	M10*1.0	●
40.00-44.45	EMDG-12D-FDS40-C50-LU***	FDS40	50			68	M10*1.0	●
45.00-49.00	EMDG-12D-FDS45-C50-LU***	FDS45	50			68	M10*1.0	●
50.00-55.00	EMDG-12D-FDS50-C50-LU***	FDS50	50			68	M10*1.0	●
56.00-62.00	EMDG-12D-FDS56-C50-LU***	FDS56	50			68	M10*1.0	●
63.00-70.00	EMDG-12D-FDS63-C50-LU***	FDS63	50			68	M10*1.0	●

EMDT violent drill accessories EMDT





EMDT violent drill accessories

(Installation scope)	(FDS)	(Limit screw)	(Wrench)	(Wrench)	thread pitch of interface
D28.00-D31.00	FDS28				M10*10
D31.42-D35.00	FDS32				M10*10
D36.00-D39.70	FDS36				M10*10
D40.00-D44.45	FDS40				M10*10
D45.00-D49.00	FDS45				M10*10
D50.00-D56.00	FDS50				M10*10
D57.00-D62.00	FDS56				M10*10
D63.00-D70.00	FDS63				M10*10
D71.00-D78.00	FDS71				M10*10
D79.00-D88.90	FDS80				M10*10
D92.00-D100.00	FDS90				M10*10

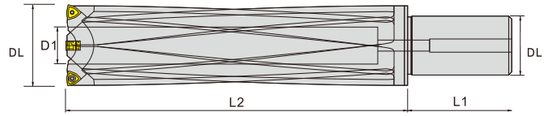
AMD series Nesting drill

AMD



AMD nesting drill AMD





■ AMD nesting drill

(Specification)	(Size and shape)							(Insert)	(Screw)	(Wrench)	(Stock)
	(DL)	(L)	(L2)	(L1)	(D1)	(DL)	(L2)				
AMD10-D50-100L-C40	50	200	230	100	18	40	70	WC05	M3.0X7.0L	T8	●
AMD10-D55-100L-C40	55		230		23						●
AMD10-D60-100L-C40	60		230		28						●
AMD10-D65-100L-C40	65		230		33						●
AMD10-D70-100L-C40	70		230		38						●
AMD10-D75-100L-C40	75		230		43						●
AMD10-D80-100L-C40	80		230		48						●
AMD10-D85-100L-C40	85		230		53						●
AMD10-D90-100L-C40	90		230		58						●
AMD10-D95-100L-C40	95		230		63						●
AMD10-D100-100L-C40	100		230		68						●
AMD15-D50-150L-C40	50	250	230	150	18	40	70	WC05	M3.0X7.0L	T8	●
AMD15-D55-150L-C40	55		230		23						●
AMD15-D60-150L-C40	60		230		28						●
AMD15-D65-150L-C40	65		230		33						●
AMD15-D70-150L-C40	70		230		38						●
AMD15-D75-150L-C40	75		230		43						●
AMD15-D80-150L-C40	80		230		48						●
AMD15-D85-150L-C40	85		230		53						●
AMD15-D90-150L-C40	90		230		58						●
AMD15-D95-150L-C40	95		230		63						●
AMD15-D100-150L-C40	100		230		68						●
AMD20-D50-200L-C40	50	300	230	200	18		70	WC05	M3.0X7.0L	T8	●
AMD20-D55-200L-C40	55		230		23						●
AMD20-D60-200L-C40	60		230		28						●
AMD20-D65-200L-C40	65		230		33						●
AMD20-D70-200L-C40	70		230		38						●
AMD20-D75-200L-C40	75		230		43						●
AMD20-D80-200L-C40	80		230		48						●
AMD20-D85-200L-C40	85		230		53						●
AMD20-D90-200L-C40	90		230		58						●
AMD20-D95-200L-C40	95		230		63						●
AMD20-D100-200L-C40	100		230		68						●
AMD25-D50-250L-C40	50	350	230	250	18	40	70	WC05	M3.0X7.0L	T8	●
AMD25-D55-250L-C40	55		230		23						●
AMD25-D60-250L-C40	60		230		28						●
AMD25-D65-250L-C40	65		230		33						●
AMD25-D70-250L-C40	70		230		38						●
AMD25-D75-250L-C40	75		230		43						●
AMD25-D80-250L-C40	80		230		48						●
AMD25-D85-250L-C40	85		230		53						●
AMD25-D90-250L-C40	90		230		58						●
AMD25-D95-250L-C40	95		230		63						●
AMD25-D100-250L-C40	100		230		68						●

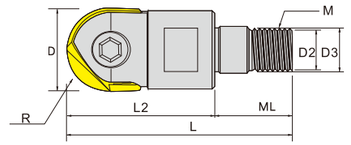
T2139 series
Ball Cutter

T2139



T2139-lock tooth type cutter head T2139



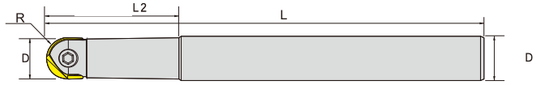


■ T2139 - lock tooth type cutter head

(Specification)	(Size and shape)				(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(L2)	(L)	M ML					
T2139-R4-M4/M6	R4	25	42	4/6/11	P320-D8	M3x60-4R	T10	180	●
T2139-R5-M5/M6	R5	25	42	5/6/11	P320-D10	M5x60-5R	T20	180	●
T2139-R6-M6	R6	25	42	6/11	P320-D12	M5x60-6R	T20	180	●
T2139-R8-M8	R8	25	42	8/11	P320-D16	M5x60-8R	T20	180	●
T2139-R10-M10	R10	28	42	10/13	P320-D20	M5x60-10R	T20	200	●
T2139-R12.5-M12	R12.5	33	51	12/16	P320-D25	M6x60-12.5R	T20	240	●
T2139-R15-M16	R15	41	64	16/17	P320-D30	M8x10-15R	T25	260	●

T2139-ball type milling cutter T2139





■ T2139 - lock tooth type cutter head

(Specification)	(Size and shape)				(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(L2)	(L)	M ML					
T2139-R4-110-C10	R4	35	110	10	P320-D8	M3X6L	T10	98	●
T2139-R4-110-C12	R4	40	110	12	P320-D8			98	●
T2139-R5-130-C10	R5	30	130	10	P320-D10	M5X6L	T20	98	●
T2139-R5-130-C12	R5	40	130	12	P320-D10			98	●
T2139-R5-150-C12	R5	40	150	12	P320-D10			105	●
T2139-R6-150-C12	R6	40	150	12	P320-D12			128	●
T2139-R6-200-C12	R6	40	200	12	P320-D12			137	●
T2139-R8-150-C16	R8	50	150	16	P320-D16			128	●
T2139-R8-200-C16	R8	60	200	16				137	●
T2139-R10-150-C20	R10	50	150	20	P320-D20			146	●
T2139-R10-200-C20	R10	60	200	20				156	●
T2139-R10-250-C20	R10	60	250	20				219	●
T2139-R10-250-C25	R10	99	250	25				230	●
T2139-R12.5-150-C25	R12.5	53	150	25	P320-D25	M6X6L		155	●
T2139-R12.5-200-C25	R12.5	68	200	25	P320-D25			246	●

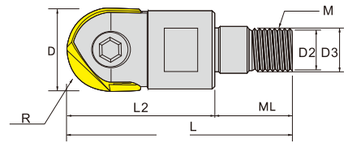
BNM series
ball knife

BNM



BNM-lock tooth type cutter head BNM



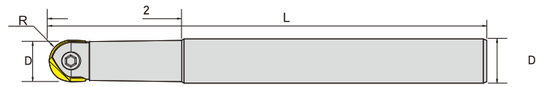


■ BNM - lock tooth type cutter head

(Specification)	(Size and shape)				(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(L2)	(L)	M ML					
BNM-R3-M3	R3	13	23	3/9.8	BNM-60	M2.0x5.0-3R	T6	220	●
BNM-R4-M4	R4	16	28	4/12	BNM-80	M2.5x6.3-4R	T7	220	●
BNM-R5-M5	R5	22	39	5/11	BNM-100	M3.5x45-5R	T15	220	●
BNM-R6-M6	R6	22	39	6/11	BNM-120	M3.5x45-6R	T15	220	●
BNM-R8-M8	R8	22	39	8/11	BNM-160	M4x40-8R	T15	220	●
BNM-R10-M10	R10	28	47	10/13	BNM-200	M5x40-10R	T20	220	●
BNM-R12.5-M12	R12.5	33	57	12/16	BNM-250	M6x40-12.5R	T20	240	●
BNM-R15-M16	R15	41	64	16/17	BNM-300	M8x40-15R	T40	260	●

BNM-ball type milling cutter BNM





■ BNM - lock tooth type cutter head

(Specification)	(Size and shape)				(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(L2)	(L)	M ML					
BNM-R8-150-C16	R8	39	150	16	BNM-160	M4x40-8R	T15	200	●
BNM-R8-200-C16	R8	62	200	16	BNM-160	M4x40-8R	T15	220	●
BNM-R10-150-C20	R10	48	150	20	BNM-200	M5x40-10R	T20	220	●
BNM-R10-200-C20	R10	73	200	20	BNM-200	M5x40-10R	T20	240	●
BNM-R12.5-150-C25	R12.5	53	150	25	BNM-250	M6x40-12.5R	T20	240	●
BNM-R12.5-200-C25	R12.5	88	200	25	BNM-250	M6x40-12.5R	T20	260	●
BNM-R15-150-C32	R15	68	150	32	BNM-300	M8x40-15R	T40	280	●
BNM-R15-200-C32	R15	83	200	32	BNM-300	M8x40-15R	T40	310	●

ABPF/ARPF

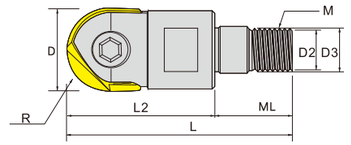
series ball knives

ABPF/ARPF



ABPF-lock tooth type cutter head ABPF



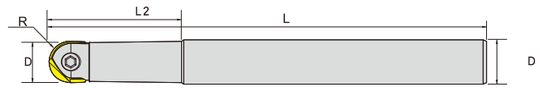


■ ABPF series - lock tooth type cutter head

(Specification)	(Size and shape)				(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(L2)	(L)	M ML					
ABPF-R4-M4	R4	18	30	4/12	ZPFG040	M3x6.7-4R	T8	260	●
ABPF-R5-M5	R5	26	43	5/11	ZPFG100	M3.5x23-5R	T20	260	●
ABPF-R6-M6	R6	26	43	6/11	ZPFG120	M3.5x23-6R	T20	260	●
ABPF-R8-M8	R8	26	43	8/11	ZPFG160	M5x40-8R	T20	260	●
ABPF-R10-M10	R10	30	49	10/13	ZPFG200	M6x40-10R	T25	260	●
ABPF-R12.5-M12	R12.5	33	55	12/16	ZPFG250	M6x40-12.5R	T20	300	●
ABPF-R15-M16	R15	42	65	16/17	ZPFG300	M8x40-15R	T30	300	●

ABPF-locking tooth knife head ABPF



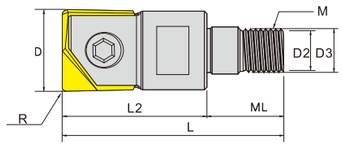


■ ABPF - ball type milling cutter

(Specification)	(Size and shape)				(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(L2)	(L)	M ML					
ABPF-R8-150-C16	R8	49	150	16	ZPFG160	M5x40-8R	T20	360	●
ABPF-R8-200-C16	R8	49	200	16	ZPFG160	M5x40-8R	T20	400	●
ABPF-R10-150-C20	R10	49	150	20	ZPFG200	M6x40-10R	T25	420	●
ABPF-R10-200-C20	R10	49	200	20	ZPFG200	M6x40-10R	T25	460	●
ABPF-R12.5-150-C25	R12.5	53	150	20	ZPFG250	M6x40-12.5R	T20	460	●
ABPF-R12.5-200-C25	R12.5	53	200	25	ZPFG250	M6x40-12.5R	T20	480	●
ABPF-R15-150-C32	R15	79	150	32	ZPFG300	M8x40-15R	T30	480	●
ABPF-R15-200-C32	R15	99	200	32	ZPFG300	M8x40-15R	T30	520	●

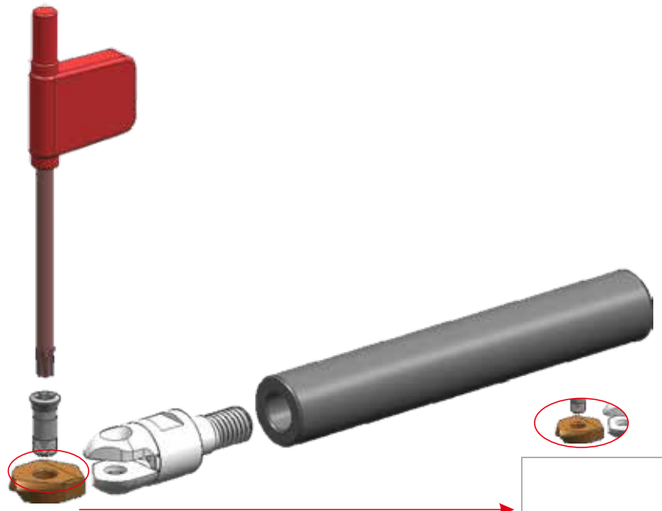
ABPF-ball type miling cutter ABPF-





■ ARPF series - lock tooth type cutter head

(Specification)	(Size and shape)				(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(L2)	(L)	M ML					
ARPF-S16-M8	R8	25	42	8/11	ZCFW160	M5x40-8R (ABPF-8R螺丝)	T20	260	●
ARPF-S20-M10	R10	29	48	10/13	ZCFW200	M6x40-10R) (ABPF-10R螺丝)	T25	260	●
ARPF-S25-M12	R12.5	33	55	12/16	ZCFW250	M6x40-12.5R) (ABPF-12.5R螺丝)	T20	300	●
ARPF-S30-M16	R15	41	46	16/17	ZCFW300	M8x40-15R) (ABPF-15R螺丝)	T30	300	●



Note: when cutting tool assembly, pay attention to cleaning up the cutter headThe dirt, to avoid the impact of precision tool.

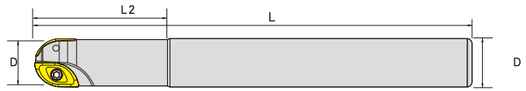
BCF Series Ball knife

BCF



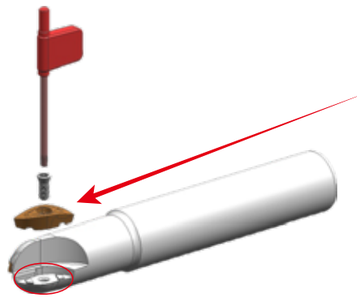
BCF-ball type milling cutter BCF





■ BCF-ball type milling cutter

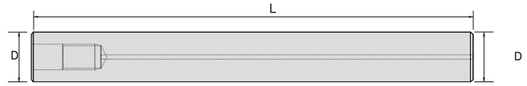
Model No	(Size and shape)				(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(L2)	(L)	(D1)					
BCF-10R-150-C20	R10	50	150	20	ZCEW100CE ZCEW100SE	M3X8L	T15	346	●
BCF-10R-150-C25	R10	60	150	25				346	●
BCF-10R-200-C20	R10	70	200	20				382	●
BCF-10R-200-C25	R10	80	200	25				382	●
BCF-10R-250-C20	R10	70	250	20				455	●
BCF-10R-250-C25	R10	80	250	25				455	●
BCF-10R-250-C32	R10	80	250	32				545	●
BCF-12.5R-150-C25	R12.5	50	150	25	ZCEW125CE ZCEW125SE	M4X9L	T15	545	●
BCF-12.5R-150-C32	R12.5	60	150	32				545	●
BCF-12.5R-200-C25	R12.5	70	200	25				636	●
BCF-12.5R-200-C32	R12.5	80	200	32				636	●
BCF-12.5R-250-C25	R12.5	90	250	25				690	●
BCF-12.5R-250-C32	R12.5	100	250	32				690	●
BCF-12.5R-300-C32	R12.5	100	300	32				764	●
BCF-15R-150-C32	R15	60	150	32	ZCEW150CE ZCEW150SE	M5X12L	T20	528	●
BCF-15R-200-C32	R15	70	200	32				600	●
BCF-15R-250-C32	R15	80	250	32				655	●
BCF-15R-300-C32	R15	80	300	32				764	●
BCF-20R-200-C42	R20	100	200	42	ZCEW200CE ZCEW200SE	–	–	690	●
BCF-20R-250-C42	R20	150	250	a2				818	●
BCF-20R-300-C42	R20	150	300	42				910	●
BCF-20R-350-C42	R20	200	350	42				1055	●
BCF-25R-200-C42	R25	100	200	42	ZCEW250CE ZCEW250SE			720	●
BCF-25R-250-C42	R25	150	250	42				830	●



Note: when cutting tool assembly, pay attention to cleaning up the cutter headThe dirt, to avoid the impact of precision tool.

ASP tungsten rod series ASP





■ ASP tungsten rod series

(Specification)	(Size and shape)			(Price)	(Stock)
	(D1)	(L)	(M)		
ASP-C08-100L-M4	08	100	4	460	●
ASP-C10-080L-M5	10	80	5	480	●
ASP-C10-100L-M5	10	100	5	700	●
ASP-C10-150L-M5	10	150	5	580	●
ASP-C12-100L-M6	12	100	6	560	●
ASP-C12-150L-M6	12	150	6	700	●
ASP-C15-200L-M8	15	150	8	840	●
ASP-C12-200L-M6	12	200	8	1100	●
ASP-C15-200L-M8	12	200	8	800	●
ASP-C16-100L-M8	16	100	8	860	●
ASP-C16-150L-M8	16	150	8	1120	●
ASP-C16-200L-M8	16	200	8	1360	●
ASP-C16-250L-M8	16	250	8	1040	●
ASP-C20-100L-M10	20	100	10	1260	●
ASP-C20-150L-M10	20	150	10	1700	●
ASP-C20-200L-M10	20	200	10	1800	●
ASP-C20-250L-M10	20	250	10	2100	●
ASP-C20-300L-M10	20	300	10	1660	●
ASP-C25-150L-M12	25	150	12	2000	●
ASP-C25-200L-M12	25	200	12	2400	●
ASP-C25-250L-M12	25	250	12	3000	●
ASP-C25-300L-M12	25	300	12	2400	●
ASP-C32-150L-M16	32	150	16	3000	●
ASP-C32-200L-M16	32	200	16	3800	●
ASP-C32-250L-M16	32	250	16	4500	●
ASP-C32-300L-M16	32	300	16	4500	●

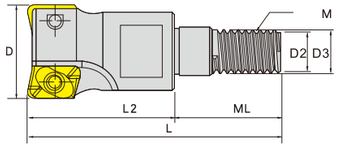
ASM lock tooth head milling cutter rod

ASM



ASM lock tooth head ASM



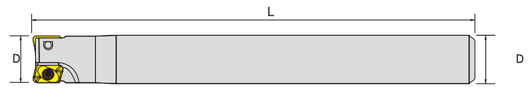


■ Corn milling cutter

(Specification)	(Size and shape)				(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(L2)	(L)	(M) (ML)					
ASM07R-S8-M4-2T	8	20	30	M4/12	JDMT070208R(日立)	M1.8X4L	T6	180	●
ASM07R-S10-M5-2T	10	20	34	M5/14				180	●
ASM07R-S11-M5-2T	11	20	34	M5/14				180	●
ASM07R-S12-M6-2T	12	20	34	M6/14.5				180	●
ASM07R-S13-M6-2T	13	20	34	M6/14.5				180	●

ASM Milling cutter rod ASM





■ Corn milling cutter

(Specification)	(Size and shape)			(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(D)	(D1)					
ASM07R-S10-110-C10-2T	10	110	10	JDMT070208R(日立)	M1.8X4L	T6	180	●
ASM07R-S11-120-C10-2T	11	120	10				180	●
ASM07R-S12-120-C12-2T	12	120	12				180	●
ASM07R-S13-120-C12-2T	13	120	12				180	●
ASM07R-S17-150-C16-4T	17	150	16				260	●

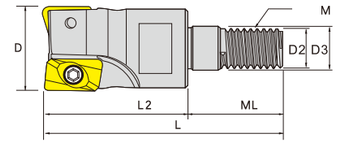
BAP/EMR

Miling cutter string series



BAP300R lock head BAP300R



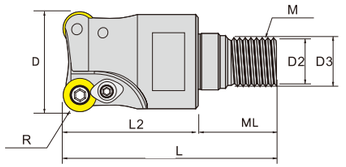


■ BAP300R lock head

Model No	(Size and shape)				(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(L2)	(L)	M ML					
BAP300R-S13-1T-M6	13	28	42	6/9.5	APMT1135 PDER(三菱)	M2.5X6L	T8	150	●
BAP300R-S16-2T-M8	16	27	44	8/11				150	●
BAP300R-S17-2T-M8	17	27	44	8/11				150	●
BAP300R-S20-2T-M10	20	29	48	10/13				150	●
BAP300R-S21-2T-M10	21	29	48	10/13				150	●
BAP300R-S25-3T-M12	25	34	56	12/16				190	●
BAP300R-S26-3T-M12	26	34	56	12/16				190	●
BAP400R-S26-2T-M12	26	39	61	12/16	APMT1604 PDER(三菱)	M4X7L	T15	150	●
BAP400R-S35-3T-M16	35	39	61	12/16				300	●

EMR4R 5R Lock Head Series EME4R 5R



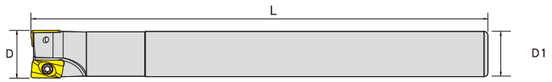


■ EMR4R 5R Lock Head Series

Model No	(Size and shape)				(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(L2)	(L)	M ML					
EMR4R-S16-2T-M8	16	29	46	8/11	RPMW0802MO	M3x7L	T10	150	●
EMR4R-S20-2T-M10	20	29	48	10/13				150	●
EMR5R-S20-2T-M10	20	32	51	10/13	RPMW1003MO	M4X9L 3.5X5L	T15	150	●
EMR5R-S30-2T-M16	30	39	62	16/17				150	●
EMR5R-S35-3T-M16	35	39	62	16/17				190	●

BAP 300R cutter bar 300R



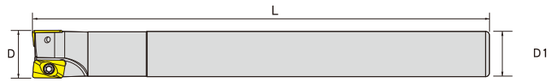


300R cutter bar

(Specification)	(Size and shape)			(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(D1)	(L)					
BAP300R-S10-120-C10-1T	10	10	120	APMT1135PDER(三菱)	M2.5x6L	T8	51	●
BAP300R-S12-120-C12-1T	12	12	120				55	●
BAP300R-S13-130-C12-1T	13	12	120				55	●
BAP300R-S13-150-C12-1T	13	12	150				55	●
BAP300R-S16-120-C15-2T	16	15	120				60	●
BAP300R-S16-150-C15-2T	16	15	150				62	●
BAP300R-S16-120-C16-2T	16	16	120				62	●
BAP300R-S16-150-C16-2T	16	16	150				62	●
BAP300R-S16-150-C15.6-2T	16	15.6	150				62	●
BAP300R-S16-200-C15.6-2T	16	15.6	200				66	●
BAP300R-S16-200-C15-2T	16	15	200				66	●
BAP300R-S16-200-C16-2T	16	16	200				66	●
BAP300R-S17-120-C16-2T	17	16	120				62	●
BAP300R-S17-150-C16-2T	17	16	150				62	●
BAP300R-S17-200-C16-2T	17	16	200				66	●
BAP300R-S17-250-C16-2T	17	16	250				80	●
BAP300R-S17-300-C16-2T	17	16	300				90	●
BAP300R-S20-150-C19-2T	20	19	150				70	●
BAP300R-S20-200-C19-2T	20	19	200				73	●
BAP300R-S20-150-C20-2T	20	20	150				70	●
BAP300R-S20-200-C20-2T	20	20	200				73	●
BAP300R-S20-250-20-2T	20	20	250				89	●
BAP300R-S21-150-C20-2T	21	20	150				71	●
BAP300R-S21-200-C20-2T	21	20	200				73	●
BAP300R-S21-250-C20-2T	21	20	250				89	●
BAP300R-S21-300-C20-2T	21	20	300				103	●
BAP300R-S25-150-C24-2T	25	24	150				77	●
BAP300R-S25-200-C24-2T	25	24	200				82	●
BAP300R-S25-150-C25-2T	25	25	150				77	●
BAP300R-S25-200-C25-2T	25	25	200				84	●
BAP300R-S26-150-C25-2T	26	25	150				77	●
BAP300R-S26-200-C25-2T	26	25	200				84	●

BAP 400R cutter bar 400R



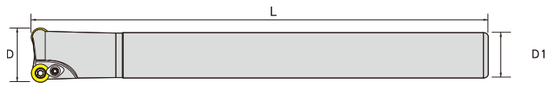


400R cutter bar

(Specification)	(Size and shape)			(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(D1)	(L)					
BAP400R-S25-150-C24-2T	25	24	150	APMT1604 PDER	M4x9L	T15	770	●
BAP400R-S25-200-C24-2T	25	24	200				82	●
BAP400R-S25-150-C25-2T	25	25	150				77	●
BAP400R-S25-200-C25-2T	25	25	200				84	●
BAP400R-S26-150-C25-2T	26	25	150				77	●
BAP400R-S26-200-C25-2T	26	25	200				84	●
BAP400R-S30-150-C25-2T	30	25	150				78	●
BAP400R-S30-200-C25-2T	30	25	200				86	●
BAP400R-S32-150-C25-2T	32	25	150				93	●
BAP400R-S32-200-C25-2T	32	25	200				102	●
BAP400R-S32-150-C32-2T	32	32	150				91	●
BAP400R-S32-200-C32-2T	32	32	200				102	●
BAP400R-S35-150-C32-3T	35	32	150				102	●
BAP400R-S35-200-C32-3T	35	32	200				123	●
BAP400R-S40-150-C32-3T	40	32	150				106	●
BAP400R-S40-200-C32-3T	40	32	200				119	●

EMR-4R Tool rod EMR-4R



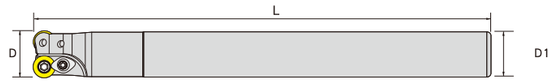


EMR - 4 R TOOL ROD

(Specification)	(Size and shape)			(Insert)	(Press plate)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(D1)	(L)						
EMR4R-S13-120-C12-1T	13	12	120	RPMW0802MO (三菱)	壓板螺絲 M3x7L 壓板 Y-4R	M3x7L	T10	51	●
EMR4R-S16-120-C16-2T	16	16	120					64	●
EMR4R-S16-150-C15-2T	16	15	150					67	●
EMR4R-S16-150-C16-2T	16	16	150					67	●
EMR4R-S16-200-C15-2T	16	15	200					76	●
EMR4R-S16-200-C16-2T	16	16	200					76	●
EMR4R-S17-150-C16-2T	17	16	150					67	●
EMR4R-S17-200-C16-2T	17	16	200					76	●
EMR4R-S20-150-C19-2T	20	19	150					71	●
EMR4R-S20-150-C20-2T	20	20	150					71	●
EMR4R-S20-200-C19-2T	20	19	200					76	●
EMR4R-S20-200-C20-2T	20	20	200					76	●
EMR4R-S21-150-C20-2T	21	21	150					71	●
EMR4R-S21-200-C20-2T	21	20	200					76	●
EMR4R-S21-250-C20-2T	21	20	200					107	●
EMRW4R-S13-120-C12-1T	13	12	120			M3x7L	T10	51	●
EMRW4R-S16-150-C16-2T	16	16	150					67	●
EMRW4R-S16-150-C15.6-2T	16	15.6	150					67	●
EMRW4R-S16-200-C16-2T	16	16	200					79	●
EMRW4R-S16-200-C15.6-2T	16	15.6	200					79	●
EMRW4R-S17-150-C16-2T	17	16	150					67	●
EMRW4R-S17-200-C16-2T	17	16	200					79	●
EMRW4R-S20-150-C19-2T	20	19	150					71	●
EMRW4R-S20-150-C20-2T	20	20	150					71	●
EMRW4R-S20-200-C19-2T	20	19	200					76	●
EMRW4R-S20-200-C20-2T	20	20	200					79	●
EMRW4R-S21-150-C20-2T	21	20	150					71	●
EMRW4R-S21-200-C20-2T	21	20	200					79	●

EMR-5R EMR-6R 5R/6R



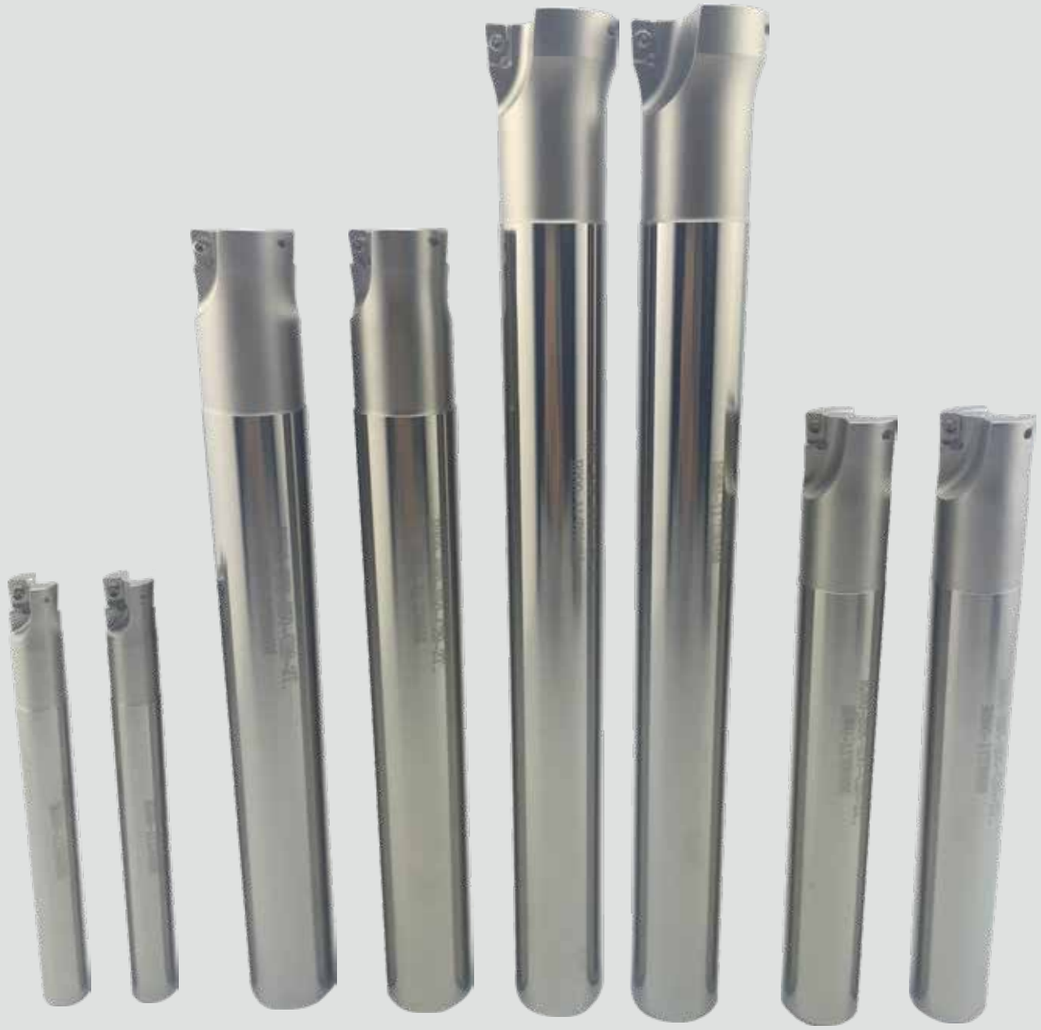


EMR-5R EMR-6R

(Specification)	(Size and shape)			(Insert)	(Press plate)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(D1)	(L)						
EMR5R-S20-150-C19-2T	20	19	150	RPMW1003MO	M3.5X10L Y-4R	M4x9L	T15	73	●
EMR5R-S20-200-C19-2T	20	19	200					76	●
EMR5R-S20-160-C20-2T	20	20	160					73	●
EMR5R-S20-200-C20-2T	20	20	200					76	●
EMR5R-S21-150-C20-2T	21	20	150					73	●
EMR5R-S21-200-C20-2T	21	20	200					76	●
EMR5R-S25-150-C20-2T	25	20	150					75	●
EMR5R-S25-200-C20-2T	25	20	200					90	●
EMR5R-S25-150-C24-2T	25	24	150					82	●
EMR5R-S25-200-C24-2T	25	24	200					89	●
EMR5R-S25-150-C25-2T	25	25	150					82	●
EMR5R-S25-200-C25-2T	25	25	200					89	●
EMR5R-S26-150-C25-2T	26	25	150					82	●
EMR5R-S26-200-C25-2T	26	25	200					89	●
EMR5R-S30-110-C20-2T	30	20	110					78	●
EMR5R-S30-150-C20-2T	30	20	150					88	●
EMR5R-S30-120-C25-2T	30	25	120					77	●
EMR5R-S30-150-C25-2T	30	25	150					90	●
EMR5R-S30-200-C25-2T	30	25	200					95	●
EMR5R-S35-150-C32-3T	35	32	150					107	●
EMR5R-S35-200-C32-3T	35	32	200					118	●

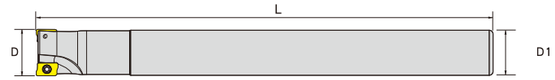
(Specification)	(Size and shape)			(Insert)	(Press plate)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(D1)	(L)						
EMRW6R-S25-150-C25-2T	25	25	150	RPMT1204MO	M4X10L Y-6R	M4x10L	T15	87	●
EMRW6R-S32-150-C25-2T	32	25	150					87	●
EMRW6R-S32-200-C25-2T	32	25	200					93	●
EMRW6R-S32-150-C32-2T	32	32	150					92	●
EMRW6R-S32-200-C32-2T	32	32	200					106	●
EMRW6R-S40-150-C32-3T	40	32	150					111	●
EMRW6R-S40-200-C32-3T	40	32	200					125	●

R390
Miling cutter rod series



R390 series R390



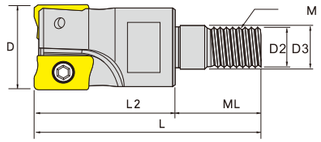


R390 series

(Specification)	(Size and shape)			(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(L)	(D1)					
R390-S16-150-C15-2T	16	150	15				109	●
R390-S16-150-C16-2T	16	150	16				109	●
R390-S16-200-C16-2T	17	200	16				128	●
R390-S17-150-C16-2T	17	150	16				109	●
R390-S17-200-C16-2T	17	200	16				128	●
R390-S20-150-C19-2T	20	150	19				124	●
R390-S20-150-C20-2T	20	150	20				124	●
R390-520-200-C19-2T	20	200	19				146	●
R390-S20-200-C20-2T	20	200	20				146	●
R390-S21-150-C20-2T	21	150	20				124	●
R390-S21-200-C20-2T	21	200	20				146	●
R390-S21-250-C20-2T	21	250	20				160	●
R390-S25-150-C25-2T	25	150	25				149	●
R390-S25-200-C24-2T	25	200	24				173	●
R390-S25-200-C25-2T	25	200	25				173	●
R390-S26-150-C25-2T	26	150	25				149	●
R390-S26-200-C25-2T	26	200	25	R390-11T308M	M2.5X6L	T8	178	●
R390-S26-250-C25-2T	26	250	25				197	●
R390-S26-300-C25-2T	26	300	25				237	●
R390-S30-200-C29-2T	30	200	29				200	●
R390-S30-250-C29-2T	30	250	29				219	●
R390-S30-300-C29-2T	30	300	29				245	●
R390-S30-200-C25-2T	30	200	25				200	●
R390-S30-250-C25-2T	30	250	25				219	●
R390-S30-300-C25-2T	30	300	25				245	●
R390-S32-200-C29-2T	32	200	29				200	●
R390-S32-250-C29-2T	32	250	29				240	●
R390-S32-300-C29-2T	32	300	29				245	●
R390-S33-250-C32-2T	33	250	32				233	●
R390-533-300-C29-2T	33	300	29				250	●
R390-S35-250-C29-2T	35	250	29				240	●
R390-S35-300-C29-2T	35	300	29				260	●
R390-S35-300-032-2T	35	300	32				260	●

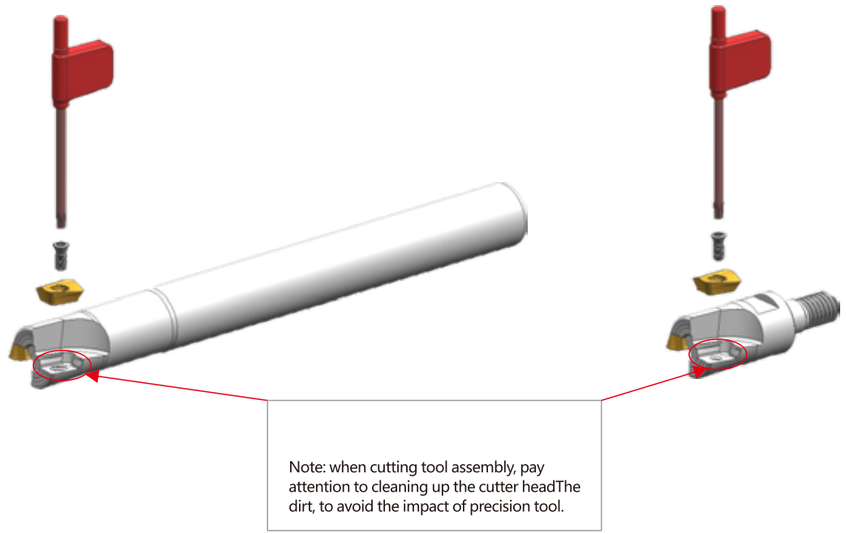
R390 series R390





R390 series

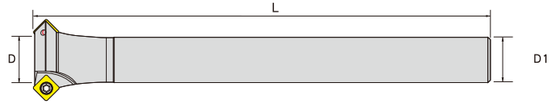
(Specification)	(Size and shape)				(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(L2)	(L)						
R390-16-2T-M8	16	29	46	M8/11	R390-11T308M	M2.5X6L	T8	190	●
R390-17-2T-M8	17	29	46	M8/11				190	●
R390-20-2T-M10	20	30	49	M10/13				190	●
R390-21-2T-M10	21	30	49	M10/13				190	●
R390-26-2T-M12	26	30	49	M12/16				190	●



Note: when cutting tool assembly, pay attention to cleaning up the cutter headThe dirt, to avoid the impact of precision tool.

Chamfering cutter





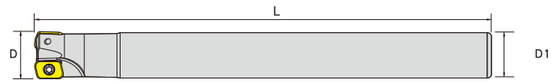
Chamfering cutter

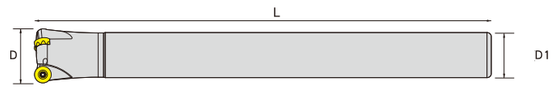
(Specification)	(Size and shape)			(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(D1)	(D1)					
SD45-25-110-C20-2T	25	20	110	SDMB26152	M3x7L	T10	60	●
SD45-25-150-C20-2T	25	20	150				65	●
SSK45-20-130-C20-1T	20	20	130	ADNT160308	M4X9L	T15	100	●
SSP45-20-130-C20-1T	20	20	130	TCMX16T308EZR			100	●
TCM45-20-110-C16-1T	20	16	110	TCMT16T304			100	●
SB-16-100-C16-1T	16	16	100	SPMW090304	/	/	100	●
TP45° -S20-120-C20-1T	20	20	120	TPMN160308	M6X10L	T20	100	●
TP45° -S30-120-C20-2T	30	20	120				105	●

R200 ASR2R









Chamfering cutter

Model No	(Size and shape)			(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(D1)	(D1)					
ASR2R-S16-120-C16-2T	16	16	120	EPNW0603TN-8	M2.5X6L	T8	66	●
ASR2R-S17-160-C16-2T	17	16	160				67	●
ASR2R-S20-160-C20-2T	20	20	160				71	●
AJX08R-S20-150-C20-2T	20	20	150	JOMW080320ZZSR	M3X7L	T10	76	●
R200-6R-32-200-C25-2T	32	25	200	RCKT1204MO	M3.5X10L	T15	106	●
R200-6R-40-150-C32-3T	40	320	150				115	●
R200-6R-40-200-C32-3T	40	32	200				130	●

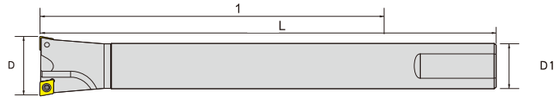
GTB Rough boring topl cutter serleS

GTB



GTB-Rough boring tool GTB



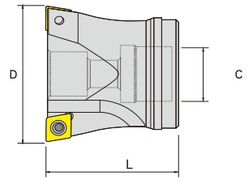


GTB-Rough boring tool

(Specification)	(D)	(D1)	(L)	(L1)	(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
GTB-11.7-80-C25	11.7	25	145	80	CCMT060204	M2.5X6L	T8	91	●
GTB-14.7-90-C25	14.7	25	154	90				91	●
GTB-75° 15.05-95-C25	15.05	25	160	95				91	●
GTB-15.7-90-C25	15.7	25	155	90				91	●
GTB-19.7-120-C25	19.7	25	183	120				91	●
GTB-24.7-130-C25	24.7	25	190	130	CCMT09T304	M4X9L	T15	100	●
GTB-29.7-160-C25	29.7	25	220	160				119	●
GTB-34.7-180-C32	34.7	32	240	180				137	●
GTB-39.7-180-C32	39.7	32	240	180				146	●
GTB-41.7-180-C32	41.7	32	240	180				151	●
GTB-44.7-180-C40	44.7	40	250	180				191	●
GTB-47.7-180-C40	47.7	40	250	180				204	●
GTB-49.7-200-C40	49.7	40	270	200				204	●
GTB-54.7-180-C40	54.7	40	270	180				227	●
GTB-59.7-180-C40	59.7	40	250	180	CCMT120408	M5X11L	T20	227	●
GTB-64.7-180-C40	64.7	40	250	180				246	●
GTB-69.7-180-C40	69.7	40	250	180				269	●
GTB-17-60-C25	17	25	120	60	CCMT060204	M2.5X6L	T8	127	●
GTB-20-60-C25	20	25	120	60				146	●
GTB-26-90-C25	26	25	150	90	CCMT09T304	M4X9L	T15	155	●
GTB-32-90-C32	32	32	150	90				182	●
GTB-38-200-C32	38	32	200	200				200	●
GTB-48-200-C40	48	40	200	200				236	●

GTB- rough boring head GTB-





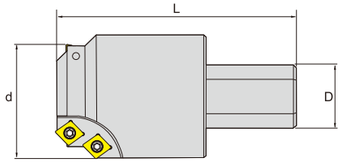
■ GTB- rough boring head

Model No	(Size and shape)				Insert	Screw	Wrench	Price	Stock
	(D)	(L2)	(L)	(C)					
GTB-59.7-22-2T	59.7	60	50	22	CCMT120408 (三菱/日立)	M5X12L	T20	300	●
GTB-69.7-22-2T	69.7	70	50	22				300	●
GTB-79.7-22-2T	79.8	80	50	22				300	●
GTB-89.7-22-2T	89.7	90	50	22				300	●



CA-Sinking head.knife CA-





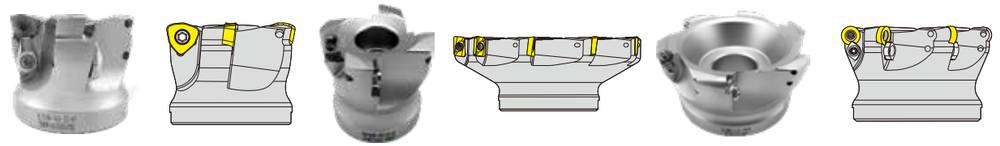
■ CA Sinking head knife

(Specification)	(D)	(E)	(E)	(A)	(C)	(D)	(L)	(Wrench)	(Screw)	(Insert)	(Price)	(Stock)
CA-1218-6.5	18	12	6.5	0.8	0.8	25	100	T8	M2.5X6L	CCMT060204	146	●
CA-1521-6.5	21	15	6.5	1.0	0.8	25	120				146	●
CA-1622-6.5	22	16	6.5	1.0	0.8	25	120				146	●
CA-2026-6.5	26	20	6.5	1.0	0.8	25	120				146	●
CA-2026-8.5	26	20	8.5	1.0	0.8	25	120				146	●
CA-2531-6.5	31	25	6.5	1.0	0.8	32	120				146	●
CA-2531-8.5	31	25	8.5	1.0	0.8	32	120				146	●
CA-2531-10.5	31	25	10.5	1.0	0.8	32	120				146	●
CA-3036-8.5	36	30	8.5	1.0	0.8	32	120				146	●
CA-3036-10.5	36	30	10.5	1.0	0.8	32	120				146	●
CA-3541-8.5	41	35	8.5	1.0	0.8	32	120				173	●
CA-3541-10.5	41	35	10.5	1.0	0.8	32	120				173	●
CA-4046-10.5	46	40	10.5	1.0	0.8	32	120				200	●
CA-4248-10.5	48	42	10.5	1.0	0.8	32	120				200	●
CA-4552-10.5	52	45	10.5	1.0	0.8	32	120	T15	M4X6L	CCMT09T304	219	●
CA-4855-10.5	55	48	10.5	1.0	0.8	32	120				219	●
CA-5057-12.5	57	50	12.5	1.0	0.8	32	120				219	●
CA-5562-10.5	62	55	10.5	1.0	0.8	32	120				219	●
CA-6067-15.5	67	60	15.5	1.0	0.8	40	130				282	●
CA-7077-12.5	77	70	12.5	1.0	0.8	40	130				328	●
CA-7077-15.5	77	70	15.5	1.0	0.8	40	130				328	●
CA-8088-15.5	88	80	15.5	1.0	0.8	40	130				391	●
CA-8088-20.5	88	80	20.5	1.0	0.8	40	130				391	●
CA-9098-20.5	98	90	20.5	1.0	0.8	40	130				446	●

Cutter serleS



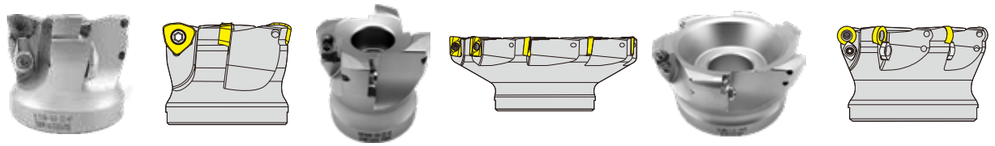
Milling cutter head



■ Wliling cutter head

(Specification)	(Insert)	(Wrench)	(Screw)	(Price)	(Stock)
R390-S50-22-4T	R390-11 T308M	T8	M2.5x6L	150	●
BAP300R-S50-22-4T	APMT1135 PDER			100	●
BAP400R-S50-22-4T	APMT1604 PDER	T15	M4X7L	100	●
BAP400R-S60-22-4T	APMT1604 PDER			110	●
BAP400R-S63-22-4T	APMT1604 PDER			110	●
BAP400R-S80-27-5T	APMT1604 PDER			170	●
BAP400R-S100-32-6T	APMT1604 PDER			260	●
BAP400R-S125-40-7T	APMT1604 PDER			340	●
BAP400R-S160-40-9T	APMT1604 PDER			500	●
BAP400R-S200-60-10T	APMT1604 PDER			800	●
EMR5R-S50-22-4T	RPMW1003MO			100	●
EMR5R-S63-22-4T	RPMW1003MO			110	●
EMR5R-S80-27-6T	RPMW1003MO			170	●
EMR5R-S100-32-6T	RPMW1003MO			300	●
EMR5R-S125-40-6T	RPMW1003MO			400	●
EMRW6R-S50-22-4T	RPMT1204MO			100	●
EMRW6R-S63-22-4T	RPMT1204MO			110	●
EMRW6R-S63-22-5T	RPMT1204MO			120	●
EMRW6R-S80-27-6T	RPMT1204MO			183	●
EMRW6R-S100-32-6T	RPMT1204MO			288	●
EMRW6R-S125-40-6T	RPMT1204MO			400	●
TRS5R-S50-22-4T	RDMT10T3MO			110	●
TRS5R-S63-22-4T	RDMT10T3MO			138	●
TRS6R-S50-22-4T	RDMT10T3MO			110	●
TRS6R-S63-22-4T	RDMT10T3MO			130	●
KM12-S50-22-4T	SEHT1204			150	●

Milling cutter head



■ Wliling cutter head

(Specification)	(Insert)	(Wrench)	(Screw)	(Price)	(Stock)
KM12-S63-22-4T	SEHT1204			170	●
KM12-S80-27-5T	SEHT1204			200	●
KM12-S100-32-5T	SEHT1204			320	●
KM12-S125-40-6T	SEHT1204			400	●
KM12-S160-40-6T	SEHT1204			1000	●
KM12-S200-60-8T	SEHT1204			1350	●
KM12-S250-60-8T	SEHT1204			1680	●
SKS-S50-22-4T	WDMT080520ZTR			140	●
SKS-S63-22-4T	WDMT080520ZTR			160	●
SKS-S80-27-5T	WDMT080520ZTR			180	●
TXP-S50-22-4T	WPMT080615ZPR			140	●
TXP-S63-22-4T	WPMT080615ZPR			160	●
TXP-S80-27-5T	WPMT080615ZPR	T15	M4X7L	180	●
AJX14R-S50-22-4T	JDMW140520 ZDER			130	●
AJX14R-S63-25.4-4T	JDMW140520 ZDER			140	●
AJX14R-S63-22-4T	JDMW140520 ZDER			140	●
AJX12R-S50-22-4T	JDMW120420 ZDSR			120	●
AJX12R-S63-22-4T	JDMW120420 ZDSR			140	●
Pe75° -S63-22-4T	APMT1604 PDER			100	●
Pe75° -S80-27-5T	APMT1604 PDER			160	●
RAP75-S80-25.4-5T	APMT1604 PDER			160	●
RAP75-S100-31.75-6T	APMT1604 PDER			200	●
TFM430FS-125-40-7T	OFCT05T3TN-EM			636	●
ASRF12-S63-22-4T	SDMT 1205 HH HP1930			220	●
ASRF 15-S63-22-4T	SDMT 1505 HHDKK			220	●

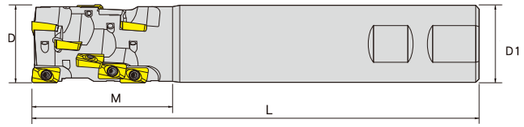
Corn milling

cutter rod series



Corn milling cutter rod series



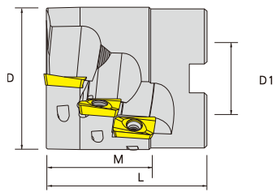


■ Corn milling cutter rod series

(Specification)	(Size and shape)				(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(D1)	(L)	(M)					
BAP300R-S20-125-28M-C20-2T	20	20	125	28	APMT1135PDER（三菱）	M2.5x6L	T8	700	●
BAP300R-S25-130-38M-C25-2T	25	25	130	38				760	●
BAP300R-S32-150-48M-C32-3T	32	32	150	48				1100	●
BAP400R-S40-150-70M-C32-3T	40	32	150	70	APMT1604PDER（三菱）	M4x7L	T15	1200	●

Corn milling cutter disc series





■ Corn milling cutter disc series

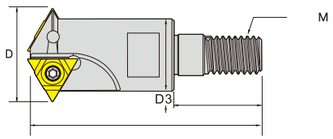
(Specification)	(Size and shape)				(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(D1)	(L)	(M)					
BAP400R-S50-22-42M-3T	50	22	65	42	APMT1604PDER	M4x7L	T15	1100	●
BAP400R-S63-27-42M-4T	63	27	65	42				1200	●
BAP400R-S80-32-70M-5T	80	32	100	70				1500	●

Spiral Lock Tooth Head Milling Cutter Head



Spirallock tooth head/miling cutter heac





Corn milling cutter

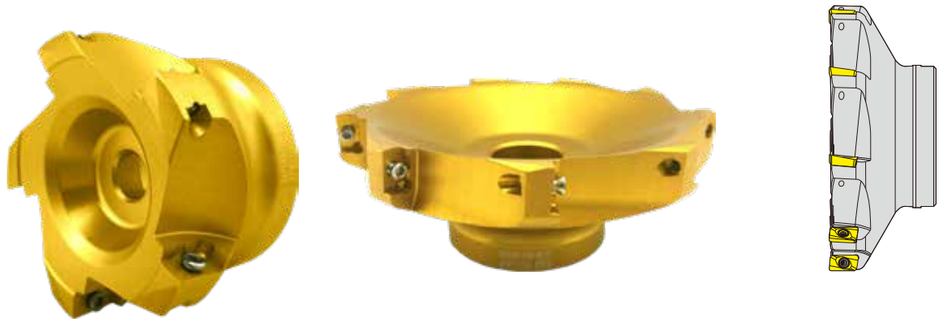
(Specification)	(Size and shape)			(Insert)	(Screw)	(Wrench)	(Price)	(Stock)
	(D)	(L)	(M)					
SRW-D20-M24-M8-2T	20	50.3	M8x1.25	11UID	M3x7L	T8/T10	170	●
SRW-D25.5-M30-M10-3T	25.5	53.34	M10x1.5	16UID			170	●
SRW-D30-M36-M12-3T	30	64.5	M12x1.75		M3x10L	T15	170	●
SRW-D36-M42FORM-M16-3T	36	67	M16x1.75	22UID			170	●
SRW-D54-M6468-FMB22-4T	54	49.5	内孔 22	16UID			200	●



Aluminum alloy cutter



400R aluminum cutter



■ 400R aluminum cutter

(Material)	(Specification)	(Insert)	(Price)	(Stock)
	BAP400R-S50-22-4T	APMT1604 PDER(三菱)	110	●
	BAP400R-S63-22-4T	APMT1604 PDER(三菱)	140	●
	BAP400R-S80-22-5T	APMT1604 PDER(三菱)	190	●
	BAP400R-S80-27-5T	APMT1604 PDER(三菱)	190	●
	BAP400R-S100-22-6T	APMT1604 PDER(三菱)	320	●
	BAP400R-S100-32-6T	APMT1604 PDER(三菱)	32	●
	BAP400R-S125-32-7T	APMT1604 PDER(三菱)	520	●
	BAP400R-S160-27-9T	APMT1604 PDER(三菱)	600	●
	BAP400R-S160-32-9T	APMT1604 PDER(三菱)	600	●
	BAP400R-S200-32-10T	APMT1604 PDER(三菱)	1120	●

KM aluminum cutter



■ KM aluminum cutter

(Material)	(Specification)	(Insert)	(Price)	(Stock)
	KM12-S50-22-4T	SEHT1204	110	●
	KM12-S63-22-4T	SEHT1204	140	●
	KM12-S80-22-5T	SEHT1204	190	●
	KM12-S80-27-5T	SEHT1204	190	●
	KM12-S100-27-5T	SEHT1204	320	●
	KM12-S100-32-5T	SEHT1204	320	●
	KM12-S125-27-6T	SEHT1204	520	●
	KM12-S160-27-6T	SEHT1204	600	●
	KM12-S200-32-10T	SEHT1204	1120	●

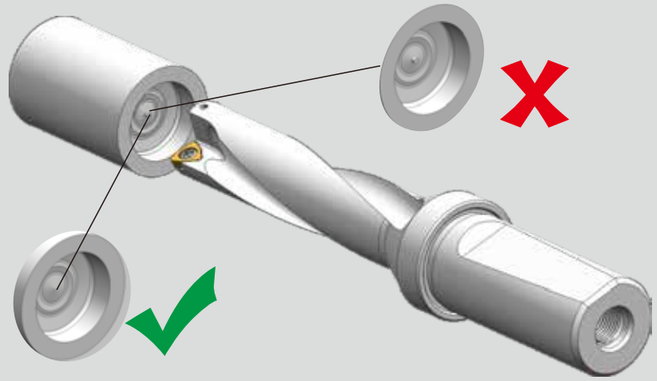
Directions for the work of the lathe

When using rapid drilling, note whether there is a center post or a strong sway in the hole.

In case of such problems please contact the supplier, modify the product use parameters, to avoid unnecessary losses.

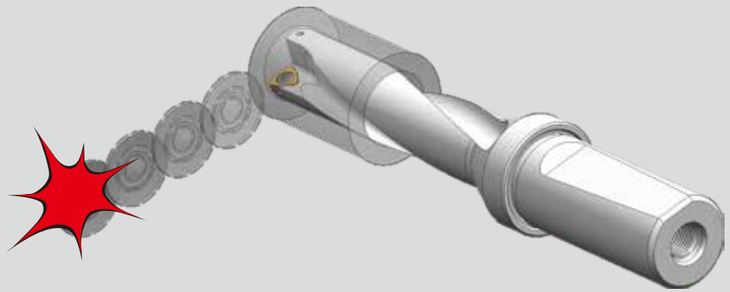
In the case of high-speed machining, it is recommended to use internal cooling.

Plane processing conditions, the first feed parameters to be used to reduce the depth of cut 0.2mm-0.8mm can be used normally.



Through the operation, the final amount of feed into the product to reduce the amount of feed to avoid the phenomenon of swing after processing the tool, resulting in the case of the emergence of drag pattern.

During the through operation, easy to fall by the high temperature iron scraps hurt, be sure to do a good job protective measures



Formula for Cutting operations

● [min-1]

$$n = \frac{Vc \times 1{,}000}{D \times \pi}$$

● [kw]

$$Pmot \quad \frac{Q \times k_c}{60{,}000 \times \eta}$$

● [m/min]

$$Vc = \frac{\pi \times D \times n}{1{,}000}$$

● [Nm]

$$Mc = \frac{D^2 \times K_c \times f}{8{,}000} = \frac{Pmot \times 9{,}500}{n}$$

● [mm]

$$f = f_z \times z$$

● [N]

$$F_1 = 0.63 \times \frac{f \times D \times k_c}{n}$$

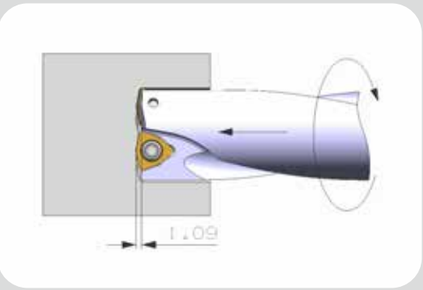
● [mm/min]

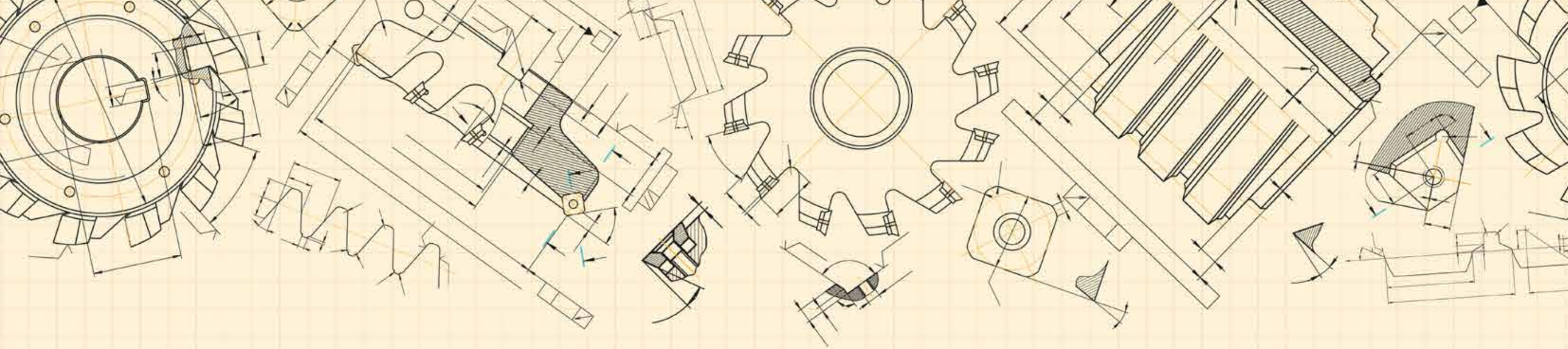
$$V_f = f \times n$$

● [cm3/min]

$$Q = \frac{V_f \times \pi \times D^2}{4{,}000}$$

- D : (mm)
- n : (min^{-1})
- Z :
- f : (mm)
- Vc : (m/min)
- Vl : (mm)
- Kc : (N/mm^2)
- Pmot : (KW)
- Q : (cm^3/min)
- η : (0.7-0.95)
- Mc : (Nm)
- F1 : (N)
- fz : (mm)





CERA-TECH™

INSPECTED

