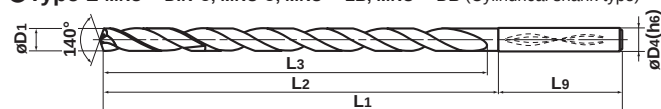


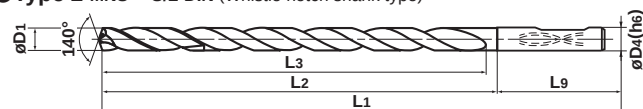


	D1=3	3<D1≤6	6<D1≤10	10<D1≤18	18<D1≤20
DIN type	+0.016 +0.004	+0.016 +0.004	+0.021 +0.006	+0.025 +0.007	+0.029 +0.008
Others	0 -0.014	0 -0.018	0 -0.022	0 -0.027	0 -0.031
	0 -0.006	0 -0.008	0 -0.009	0 -0.011	0 -0.013

●Type 1 MNS----DIN-C, MNS-C, MNS----LB, MNS----DB (Cylindrical shank type)



●Type 2 MNS----S/L-DIN (Whistle notch shank type)



Drill Dia. D1 (mm)	Hole Depth (l/d)	Stock	Order Number	Dimensions (mm)					Type
		TF15		L1	L2	L3	L9	D4	
4.6	3	□	MNS0460S-DIN	66	30	24	36	6	2
	3	□	0460S-DIN-C	66	30	24	36	6	1
	5	□	0460L-DIN	74	38	36	36	6	2
	5	□	0460L-DIN-C	74	38	36	36	6	1
	8	□	0460-L8C	96	60	55	36	6	1
	10	□	0460-L10C	106	70	66	36	6	1
	12	□	0460-L12C	116	80	76	36	6	1
	15	□	0460-L15C	131	95	91	36	6	1
	20	□	0460-L20C	156	120	116	36	6	1
	25	□	0460-L25C	181	145	141	36	6	1
	30	□	0460-L30C	206	170	166	36	6	1
	5	★	0460LB	105	55	55	50	5	1
	10	□	0460X10DB	118	68	65	50	5	1
	20	□	0460X20DB	168	118	115	50	5	1
	30	□	0460X30DB	218	168	165	50	5	1
4.65	3	□	0465S-DIN	66	30	24	36	6	2
	3	□	0465S-DIN-C	66	30	24	36	6	1
	5	□	0465L-DIN	74	38	36	36	6	2
	5	●	0465L-DIN-C	74	38	36	36	6	1
4.7	3	□	0470S-DIN	66	30	24	36	6	2
	3	□	0470S-DIN-C	66	30	24	36	6	1
	5	□	0470L-DIN	74	38	36	36	6	2
	5	□	0470L-DIN-C	74	38	36	36	6	1
	8	□	0470-L8C	96	60	55	36	6	1
	10	□	0470-L10C	106	70	66	36	6	1
	12	□	0470-L12C	116	80	76	36	6	1
	15	□	0470-L15C	131	95	91	36	6	1
	20	□	0470-L20C	156	120	116	36	6	1
	25	□	0470-L25C	181	145	141	36	6	1
	30	□	0470-L30C	206	170	166	36	6	1
	5	★	0470LB	105	55	55	50	5	1
	10	□	0470X10DB	118	68	65	50	5	1
	20	□	0470X20DB	168	118	115	50	5	1
	30	□	0470X30DB	218	168	165	50	5	1

Drill Dia. D1 (mm)	Hole Depth (l/d)	Stock	Order Number	Dimensions (mm)					Type
		TF15		L1	L2	L3	L9	D4	
4.8	3	□	MNS0480S-DIN	66	30	28	36	6	2
	3	□	0480S-DIN-C	66	30	28	36	6	1
	5	□	0480L-DIN	82	46	44	36	6	2
	5	□	0480L-DIN-C	82	46	44	36	6	1
	8	□	0480-L8C	96	60	55	36	6	1
	10	□	0480-L10C	106	70	66	36	6	1
	12	□	0480-L12C	116	80	76	36	6	1
	15	□	0480-L15C	131	95	91	36	6	1
	20	□	0480-L20C	156	120	116	36	6	1
	25	□	0480-L25C	181	145	141	36	6	1
	30	□	0480-L30C	206	170	166	36	6	1
	5	★	0480LB	105	55	55	50	5	1
	10	□	0480X10DB	118	68	65	50	5	1
	20	□	0480X20DB	168	118	115	50	5	1
30	□	0480X30DB	218	168	165	50	5	1	
4.9	3	□	0490S-DIN	66	30	28	36	6	2
	3	□	0490S-DIN-C	66	30	28	36	6	1
	5	□	0490L-DIN	82	46	44	36	6	2
	5	□	0490L-DIN-C	82	46	44	36	6	1
	8	□	0490-L8C	96	60	55	36	6	1
	10	□	0490-L10C	106	70	66	36	6	1
	12	□	0490-L12C	116	80	76	36	6	1
	15	□	0490-L15C	131	95	91	36	6	1
	20	□	0490-L20C	156	120	116	36	6	1
	25	□	0490-L25C	181	145	141	36	6	1
	30	□	0490-L30C	206	170	166	36	6	1
	5	★	0490LB	105	55	55	50	5	1
	10	★	0490X10DB	118	68	65	50	5	1
	20	★	0490X20DB	168	118	115	50	5	1
	30	★	0490X30DB	218	168	165	50	5	1