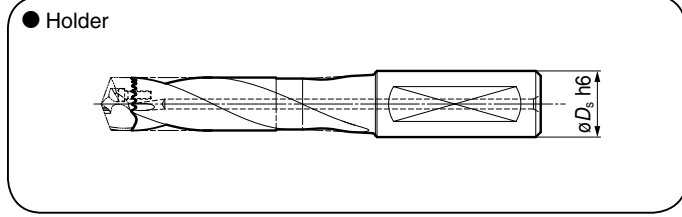
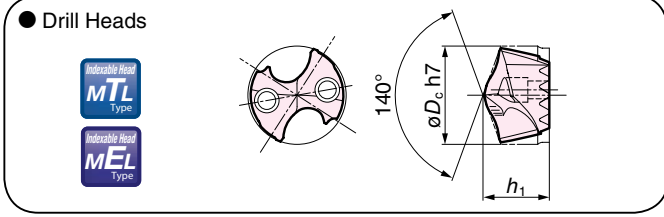


SMD Type

	Carbon Steel	Alloy Steel	Tempered Steel	Hardened Steel	Stainless steel	Ti Alloy	Heat-resistant steel	Cast Iron	Ductile Cast Iron	Aluminum Alloy	Copper alloy	Composite CFRP
MTL	◎	◎	○	○	○	○	○	◎	◎	○	○	○
MEL	◎	○	○	○	◎	○	○	◎	◎	○	○	○



Recommended Cutting Conditions J45



■ Drill Head (ø12.0 to ø30.5)[Grade MTL Type: ACX70 / MEL Type: ACX80]

■ Holders M (3D), L (5D), D (8D)

Drill Diameter øD _c (mm)	Heads				h ₁	Holders						
	MTL Type		MEL Type			Drill Diameter Range (øD _c)	M (3D)		L (5D)		D (8D)	
	Cat. No	Stock	Cat. No	Stock			Cat. No	Stock	Cat. No	Stock	Cat. No	Stock
12.0	SMDT 1200MTL	●	SMDT 1200MEL	●	9.1	From 12.0 to below 12.5	SMDH 120M	●	SMDH 120L	●	—	—
12.1	1210MTL	●	1210MEL	●								
12.2	1220MTL	●	1220MEL	●								
12.3	1230MTL	●	1230MEL	●								
12.5	SMDT 1250MTL	●	SMDT 1250MEL	●	9.4	From 12.5 to below 13.0	SMDH 125M	●	SMDH 125L	●	—	—
12.6	1260MTL	●	1260MEL	●								
12.7	1270MTL	●	1270MEL	●								
13.0	SMDT 1300MTL	●	SMDT 1300MEL	●	9.7	From 13.0 to below 13.5	SMDH 130M	●	SMDH 130L	●	—	—
13.1	1310MTL	●	1310MEL	●								
13.5	SMDT 1350MTL	●	SMDT 1350MEL	●	10.3	From 13.5 to 14.5	SMDH 140M	●	SMDH 140L	●	SMDH 140D	●
14.0	1400MTL	●	1400MEL	●								
14.1	1410MTL	●	1410MEL	●								
14.2	1420MTL	●	1420MEL	●								
14.5	1450MTL	●	1450MEL	●								
15.0	SMDT 1500MTL	●	SMDT 1500MEL	●	11.0	Above 14.5 to 15.5	SMDH 150M	●	SMDH 150L	●	SMDH 150D	●
15.5	1550MTL	●	1550MEL	●								
15.6	SMDT 1560MTL	●	SMDT 1560MEL	●	11.6	Above 15.5 to 16.5	SMDH 160M	●	SMDH 160L	●	SMDH 160D	●
15.7	1570MTL	●	1570MEL	●								
16.0	1600MTL	●	1600MEL	●								
16.3	1630MTL	●	1630MEL	●	12.2	Above 16.5 to 17.5	SMDH 170M	●	SMDH 170L	●	SMDH 170D	●
16.5	1650MTL	●	1650MEL	●								
17.0	SMDT 1700MTL	●	SMDT 1700MEL	●	12.9	Above 17.5 to 18.5	SMDH 180M	●	SMDH 180L	●	SMDH 180D	●
17.5	1750MTL	●	1750MEL	●								
17.6	SMDT 1760MTL	●	SMDT 1760MEL	●	13.5	Above 18.5 to 19.5	SMDH 190M	●	SMDH 190L	●	SMDH 190D	●
17.7	1770MTL	●	1770MEL	●								
18.0	1800MTL	●	1800MEL	●								
18.5	1850MTL	●	1850MEL	●	14.1	Above 19.5 to 20.5	SMDH 200M	●	SMDH 200L	●	SMDH 200D	●
19.0	SMDT 1900MTL	●	SMDT 1900MEL	●								
19.5	1950MTL	●	1950MEL	●	14.8	Above 20.5 to 21.5	SMDH 210M	●	SMDH 210L	●	SMDH 210D	●
20.0	SMDT 2000MTL	●	SMDT 2000MEL	●								
20.5	2050MTL	●	2050MEL	●	15.0	Above 21.5 to 22.8	SMDH 220M	●	SMDH 220L	●	SMDH 220D	●
21.0	SMDT 2100MTL	●	SMDT 2100MEL	●								
21.2	2120MTL	●	2120MEL	●	15.1	Above 22.8 to 23.8	SMDH 230M	●	SMDH 230L	●	SMDH 230D	●
21.5	2150MTL	●	2150MEL	●								
22.0	SMDT 2200MTL	●	SMDT 2200MEL	●	15.4	Above 23.8 to 24.8	SMDH 240M	●	SMDH 240L	●	SMDH 240D	●
22.5	2250MTL	●	2250MEL	●								
23.0	SMDT 2300MTL	●	SMDT 2300MEL	●	15.8	Above 24.8 to 25.8	SMDH 250M	●	SMDH 250L	●	SMDH 250D	●
23.5	2350MTL	●	2350MEL	●								
24.0	SMDT 2400MTL	●	SMDT 2400MEL	●	16.4	Above 25.8 to 26.8	SMDH 260M	●	SMDH 260L	●	SMDH 260D	●
24.1	2410MTL	●	2410MEL	●								
24.5	2450MTL	●	2450MEL	●	17.1	Above 26.8 to 27.8	SMDH 270M	●	SMDH 270L	●	SMDH 270D	●
25.0	SMDT 2500MTL	●	SMDT 2500MEL	●								
25.5	2550MTL	●	2550MEL	●	17.7	Above 27.8 to 28.8	SMDH 280M	●	SMDH 280L	●	SMDH 280D	●
26.0	SMDT 2600MTL	●	SMDT 2600MEL	●								
26.5	2650MTL	●	2650MEL	●	18.3	Above 28.8 to 29.8	SMDH 290M	●	SMDH 290L	●	SMDH 290D	●
27.0	SMDT 2700MTL	●	SMDT 2700MEL	●								
27.5	2750MTL	●	2750MEL	●	19.0	Above 29.8 to 30.8	SMDH 300M	●	SMDH 300L	●	SMDH 300D	●
28.0	SMDT 2800MTL	●	SMDT 2800MEL	●								
28.5	2850MTL	●	2850MEL	●								
29.0	SMDT 2900MTL	●	SMDT 2900MEL	●								
29.5	2950MTL	●	2950MEL	●								
30.0	SMDT 3000MTL	●	SMDT 3000MEL	●								
30.5	3050MTL	●	3050MEL	●								

ø31.0 to ø42.5 J48

Inquire about production of holders not listed in stock.