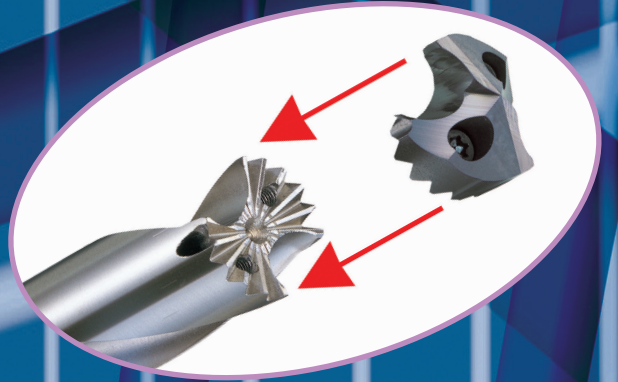




SUMITOMO

CARBIDE - CBN - DIAMOND

SMD Drills



High Performance Drilling Systems

Replaceable Carbide Tip Drill Series



Features & Benefits

- Available in metric and inch diameters ranging from 0.4688" - 1.2008" (30.5mm)
- Available in 3X, 5X and 8X diameter hardened steel bodies that can accept multiple diameters
- Three styles of drill tips to maximize performance
 - **SMDT-MTL** - standard edge preparation for steel applications
 - **SMDT-MEL** - light edge preparation for super alloys, stainless steels, and cast irons
 - **SMDT-MTL-C** - chamfered edges to eliminate break out in cast iron
- SMD carbide tips have Sumitomo's patented wear resistant DEX™ coatings
- Ground serrations on back of drill tip allow for precise assembly and superior repeatability
- Every drill tip is made with the famous Sumitomo Point
- Drill tips are capable of being reground
- Coolant through drill bodies

3X Diameter



5X Diameter



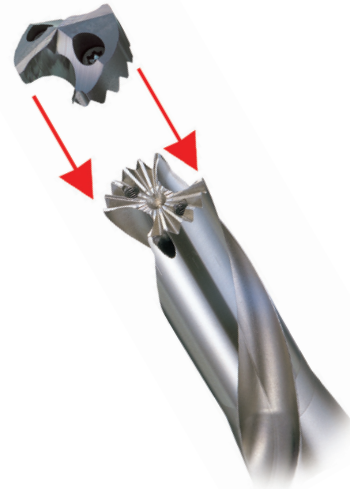
8X Diameter**



Easy Assembly

- 1.) Confirm drill tip is compatible with drill body by checking diameter range listed on shank.
- 2.) Place SMD replaceable carbide head on SMD drill body so that the screw mounting holes line up.
- 3.) Insert assembly screws and tighten securely after screw mounting holes are lined up.

Note: Mounting screws will only engage when the SMD replaceable carbide head is in the correct position.



Recommended Speeds and Feeds

Speed: v (sfm) / Feed: f (ipr)

Material	Drill Dia. (inch)	MTL	MTL	MTL	MTL	MTL-C / MEL		MEL	MEL	MEL
		Steels	Steels	Prehard Steels	Die Steels	Ductile cast irons	Gray cast irons	Titanium	Inconel	Stainless Steels*
		<HB250	HB250-300	HRC45	-	-	-	-	-	-
~.468 - .630	v	260 - 400	260 - 360	160 - 260	130 - 230	230 - 330	260 - 430	65 - 130	35 - 100	125 - 230
	f	.006 - .012	.006 - .012	.004 - .008	.005 - .009	.006 - .012	.008 - .012	.004 - .008	.003 - .004	.004 - .008
~.844 - .787	v	260 - 400	260 - 360	195 - 295	130 - 230	230 - 330	260 - 430	85 - 150	50 - 115	145 - 240
	f	.006 - .014	.006 - .014	.006 - .010	.006 - .010	.006 - .014	.008 - .014	.004 - .008	.003 - .005	.004 - .009
~.787 - 1.212	v	260 - 430	260 - 400	195 - 295	130 - 230	260 - 360	300 - 460	85 - 150	50 - 115	160 - 250
	f	.008 - .016	.008 - .014	.006 - .010	.006 - .010	.008 - .015	.008 - .018	.004 - .008	.003 - .006	.006 - .010

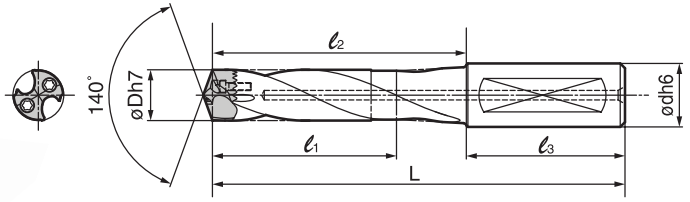
* For difficult to machine stainless steels (316, 302, 304, 17-4ph, etc.) adjust speeds & feeds accordingly.

** For long drills, lower speed accordingly

3X Diameter



5X Diameter



■ SMD BODIES (3X Diameter)

Catalog Number	Drill Tip Diameter (inch/mm)		Stock	ϕd	L	ℓ_1 max depth	ℓ_2	ℓ_3	Screw	Wrench	Torque Specifications
SMDH047M	0.4688 - 0.4917	12.00mm - 12.49mm	●	0.625	4.141	1.734	2.266	1.875	BXD02208IP	TRDR08IP	12 in./lbs
SMDH049M	0.4921 - 0.5114	12.50mm - 12.99mm	●	0.625	4.334	1.859	2.459	1.875	BXD02208IP	TRDR08IP	12 in./lbs
SMDH051M	0.5118 - 0.5311	13.00mm - 13.49mm	●	0.625	4.334	1.859	2.459	1.875	BXD02208IP	TRDR08IP	12 in./lbs
SMDH055M	0.5315 - 0.5709	13.50mm - 14.50mm	●	0.750	4.527	2.008	2.527	2.000	BXD02208IP	TRDR08IP	12 in./lbs
SMDH059M	0.5713 - 0.6102	14.51mm - 15.50mm	●	0.750	4.921	2.126	2.921	2.000	BXD02208IP	TRDR08IP	12 in./lbs
SMDH063M	0.6106 - 0.6496	15.51mm - 16.50mm	●	0.750	5.118	2.283	3.118	2.000	BXD02509IP	TRDR10IP	15 in./lbs
SMDH067M	0.6500 - 0.6890	16.51mm - 17.50mm	●	0.750	5.315	2.401	3.315	2.000	BXD02509IP	TRDR10IP	15 in./lbs
SMDH071M	0.6894 - 0.7283	17.51mm - 18.50mm	●	0.750	5.512	2.559	3.512	2.000	BXD02509IP	TRDR10IP	15 in./lbs
SMDH075M	0.7287 - 0.7677	18.51mm - 19.50mm	●	1.000	6.102	2.677	3.852	2.250	BXD03011IP	TRDR15IP	26 in./lbs
SMDH079M	0.7681 - 0.8070	19.51mm - 20.50mm	●	1.000	6.102	2.834	3.852	2.250	BXD03011IP	TRDR15IP	26 in./lbs
SMDH083M	0.8074 - 0.8465	20.51mm - 21.50mm	●	1.000	6.102	2.953	3.852	2.250	BXD03011IP	TRDR15IP	26 in./lbs
SMDH087M	0.8469 - 0.8976	21.51mm - 22.80mm	●	1.000	6.299	3.110	4.049	2.250	BXD03512IP	TRDR15IP	41 in./lbs
SMDH091M	0.8980 - 0.9370	22.81mm - 23.80mm	●	1.000	6.299	3.228	4.049	2.250	BXD03512IP	TRDR15IP	41 in./lbs
SMDH096M	0.9374 - 0.9764	23.81mm - 24.80mm	●	1.000	6.693	3.385	4.443	2.250	BXD03512IP	TRDR15IP	41 in./lbs
SMDH100M	0.9768 - 1.0157	24.81mm - 25.80mm	●	1.250	6.693	3.465	4.318	2.375	BXD04014IP	TRDR20IP	61 in./lbs
SMDH104M	1.0161 - 1.0551	25.81mm - 26.80mm	●	1.250	6.890	3.622	4.517	2.375	BXD04014IP	TRDR20IP	61 in./lbs
SMDH107M	1.0555 - 1.0945	26.81mm - 27.80mm	●	1.250	6.890	3.701	4.517	2.375	BXD04014IP	TRDR20IP	61 in./lbs
SMDH112M	1.0949 - 1.1339	27.81mm - 28.80mm	●	1.250	7.086	3.819	4.711	2.375	BXD04515IP	TRDR25IP	88 in./lbs
SMDH115M	1.1343 - 1.1732	28.81mm - 29.80mm	●	1.250	7.283	3.937	4.908	2.375	BXD04515IP	TRDR25IP	88 in./lbs
SMDH118M	1.1736 - 1.2125	29.81mm - 30.80mm	●	1.250	7.283	4.094	4.908	2.375	BXD04515IP	TRDR25IP	88 in./lbs

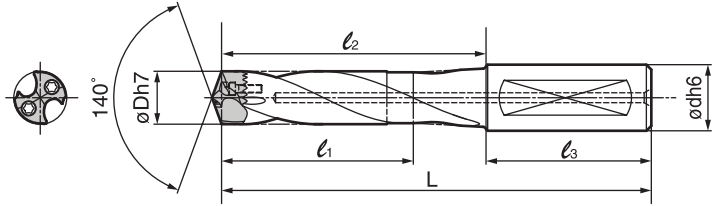
● = USA Stocked item

■ SMD BODIES (5X Diameter)

Catalog Number	Drill Tip Diameter (inch/mm)		Stock	ϕd	L	ℓ_1 max depth	ℓ_2	ℓ_3	Screw	Wrench	Torque Specifications
SMDH047L	0.4688 - 0.4917	12.00mm - 12.49mm	●	0.625	5.109	2.672	3.234	1.875	BXD02208IP	TRDR08IP	12 in./lbs
SMDH049L	0.4921 - 0.5114	12.50mm - 12.99mm	●	0.625	5.500	2.906	3.625	1.875	BXD02208IP	TRDR08IP	12 in./lbs
SMDH051L	0.5118 - 0.5311	13.00mm - 13.49mm	●	0.625	5.500	2.906	3.625	1.875	BXD02208IP	TRDR08IP	12 in./lbs
SMDH055L	0.5315 - 0.5709	13.50mm - 14.50mm	●	0.750	5.708	3.150	3.708	2.000	BXD02208IP	TRDR08IP	12 in./lbs
SMDH059L	0.5713 - 0.6102	14.51mm - 15.50mm	●	0.750	6.102	3.346	4.102	2.000	BXD02208IP	TRDR08IP	12 in./lbs
SMDH063L	0.6106 - 0.6496	15.51mm - 16.50mm	●	0.750	6.496	3.582	4.496	2.000	BXD02509IP	TRDR10IP	15 in./lbs
SMDH067L	0.6500 - 0.6890	16.51mm - 17.50mm	●	0.750	6.693	3.780	4.693	2.000	BXD02509IP	TRDR10IP	15 in./lbs
SMDH071L	0.6894 - 0.7283	17.51mm - 18.50mm	●	0.750	6.890	4.015	4.890	2.000	BXD02509IP	TRDR10IP	15 in./lbs
SMDH075L	0.7287 - 0.7677	18.51mm - 19.50mm	●	1.000	7.480	4.212	5.230	2.250	BXD03011IP	TRDR15IP	26 in./lbs
SMDH079L	0.7681 - 0.8070	19.51mm - 20.50mm	●	1.000	7.677	4.449	5.427	2.250	BXD03011IP	TRDR15IP	26 in./lbs
SMDH083L	0.8074 - 0.8465	20.51mm - 21.50mm	●	1.000	7.677	4.645	5.427	2.250	BXD03011IP	TRDR15IP	26 in./lbs
SMDH087L	0.8469 - 0.8976	21.51mm - 22.80mm	●	1.000	7.874	4.882	5.624	2.250	BXD03512IP	TRDR15IP	41 in./lbs
SMDH091L	0.8980 - 0.9370	22.81mm - 23.80mm	●	1.000	8.268	5.078	6.018	2.250	BXD03512IP	TRDR15IP	41 in./lbs
SMDH096L	0.9374 - 0.9764	23.81mm - 24.80mm	●	1.000	8.661	5.315	6.411	2.250	BXD03512IP	TRDR15IP	41 in./lbs
SMDH100L	0.9768 - 1.0157	24.81mm - 25.80mm	●	1.250	8.858	5.512	6.483	2.375	BXD04014IP	TRDR20IP	61 in./lbs
SMDH104L	1.0161 - 1.0551	25.81mm - 26.80mm	●	1.250	9.005	5.748	6.680	2.375	BXD04014IP	TRDR20IP	61 in./lbs
SMDH107L	1.0555 - 1.0945	26.81mm - 27.80mm	●	1.250	9.252	5.945	6.877	2.375	BXD04014IP	TRDR20IP	61 in./lbs
SMDH112L	1.0949 - 1.1339	27.81mm - 28.80mm	●	1.250	9.449	6.181	7.074	2.375	BXD04515IP	TRDR25IP	88 in./lbs
SMDH115L	1.1343 - 1.1732	28.81mm - 29.80mm	●	1.250	9.645	6.378	7.270	2.375	BXD04515IP	TRDR25IP	88 in./lbs
SMDH118L	1.1736 - 1.2125	29.81mm - 30.80mm	●	1.250	10.039	6.575	7.664	2.375	BXD04515IP	TRDR25IP	88 in./lbs

● = USA Stocked item

8X Diameter

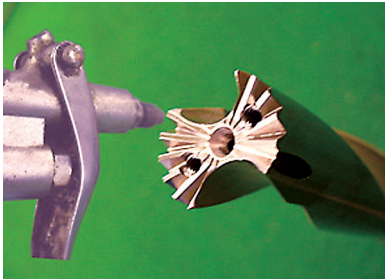


■ SMD BODIES (8X Diameter)

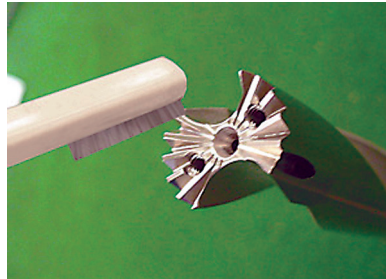
Catalog Number	Drill Tip Diameter (inch/mm)		Stock	$\varnothing d$	L	ℓ_1 max depth	ℓ_2	ℓ_3	Screw	Wrench	Torque Specifications
SMDH055D	0.5315 - 0.5709	13.50mm - 14.50mm	●	0.750	7.480	4.961	5.480	2.000	BXD02208IP	TRDR08IP	12 in./lbs
SMDH059D	0.5713 - 0.6102	14.51mm - 15.50mm	●	0.750	7.874	5.315	5.874	2.000	BXD02208IP	TRDR08IP	12 in./lbs
SMDH063D	0.6106 - 0.6496	15.51mm - 16.50mm	●	0.750	8.307	5.630	6.307	2.000	BXD02509IP	TRDR10IP	15 in./lbs
SMDH067D	0.6500 - 0.6890	16.51mm - 17.50mm	●	0.750	8.701	5.984	6.701	2.000	BXD02509IP	TRDR10IP	15 in./lbs
SMDH071D	0.6894 - 0.7283	17.51mm - 18.50mm	●	0.750	8.898	6.299	6.898	2.000	BXD02509IP	TRDR10IP	15 in./lbs
SMDH075D	0.7287 - 0.7677	18.51mm - 19.50mm	●	1.000	9.882	6.654	7.630	2.250	BXD03011IP	TRDR15IP	26 in./lbs
SMDH079D	0.7681 - 0.8070	19.51mm - 20.50mm	●	1.000	10.276	6.969	8.024	2.250	BXD03011IP	TRDR15IP	26 in./lbs
SMDH083D	0.8074 - 0.8465	20.51mm - 21.50mm	●	1.000	10.472	7.323	8.220	2.250	BXD03011IP	TRDR15IP	26 in./lbs
SMDH087D	0.8469 - 0.8976	21.51mm - 22.80mm	●	1.000	10.669	7.638	8.417	2.250	BXD03512IP	TRDR15IP	41 in./lbs
SMDH091D	0.8980 - 0.9370	22.81mm - 23.80mm	●	1.000	11.024	7.953	8.772	2.250	BXD03512IP	TRDR15IP	41 in./lbs
SMDH096D	0.9374 - 0.9764	23.81mm - 24.80mm	●	1.000	11.614	8.268	9.362	2.250	BXD03512IP	TRDR15IP	41 in./lbs
SMDH100D	0.9768 - 1.0157	24.81mm - 25.80mm	●	1.250	11.811	8.622	9.437	2.375	BXD04014IP	TRDR20IP	61 in./lbs
SMDH104D	1.0161 - 1.0551	25.81mm - 26.80mm	●	1.250	12.205	8.937	9.381	2.375	BXD04014IP	TRDR20IP	61 in./lbs
SMDH107D	1.0555 - 1.0945	26.81mm - 27.80mm	●	1.250	12.508	9.291	10.224	2.375	BXD04014IP	TRDR20IP	61 in./lbs
SMDH112D	1.0949 - 1.1339	27.81mm - 28.80mm	●	1.250	12.795	9.606	10.421	2.375	BXD04515IP	TRDR25IP	88 in./lbs
SMDH115D	1.1343 - 1.1732	28.81mm - 29.80mm	●	1.250	13.189	9.961	10.915	2.375	BXD04515IP	TRDR25IP	88 in./lbs
SMDH118D	1.1736 - 1.2125	29.81mm - 30.80mm	●	1.250	13.503	10.276	11.209	2.375	BXD04515IP	TRDR25IP	88 in./lbs

● = USA Stocked item

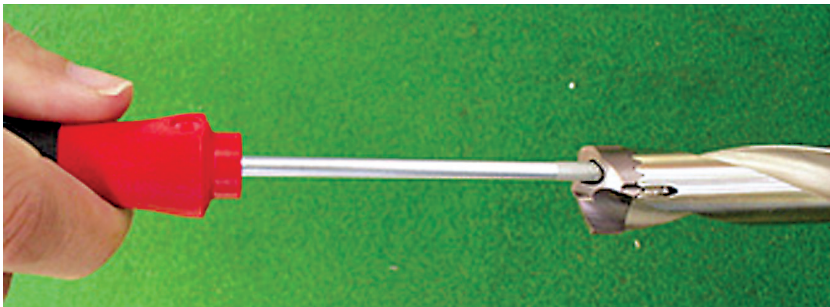
■ HEAD REPLACEMENT INSTRUCTIONS



1) Remove the used head and any debris from the serrated parts of the holder with an air blower.



2) Use a wire brush to remove debris left behind, and use air blower again.



- 3) Use caution when tightening the head screws.
- 4) Replace screws as soon as they show signs of marked wear or deformation due to long-term use.
- 5) See table (right) for recommended tightening torque.

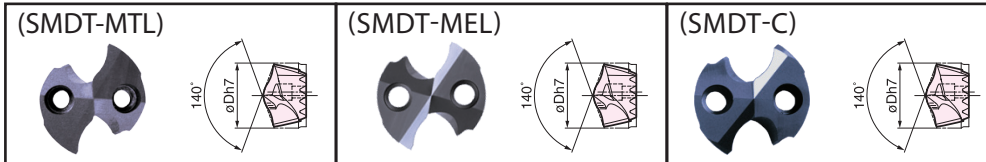
■ Recommended Tightening Torque

Drill Head Size (in/mm)	Screw	Recommended Tightening Torque (in./lbs.)
.4688 - .6102 12.00 - 15.50	BXD02208IP	6.6 to 8.8
.6103 - .7283 15.51 - 18.50	BXD02509IP	8.2 to 11.0
.7284 - .8464 18.51 - 21.50	BXD03011IP	16.3 to 21.6
.8465 - .9763 21.51 - 24.80	BXD03512IP	24.2 to 32.9
.9764 - 1.0944 24.81 - 27.80	BXD04014IP	36.6 to 48.8
1.0945 - 1.2125 27.81 - 30.80	BXD04515IP	44.0 to 58.7

**■ STANDARD TIP****■ SUPER ALLOY TIP****■ CORNER BREAK TIP**

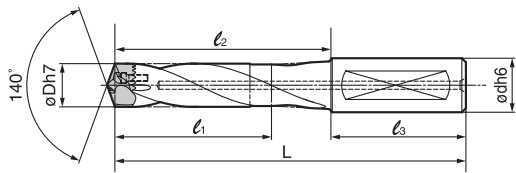
(SMDT-MTL)		(SMDT-MEL)		(SMDT-C)		øD		Body
Drill Tip	Stock	Drill Tip	Stock	Drill Tip	Stock			
SMDT04688MTL-ACX70	●	SMDT04688MEL-ACX80	●	SMDT04688MTL-C-ACX70	●	15/32	(0.4688)	SMDH047 □
SMDT1200MTL-ACX70	●	SMDT1200MEL-ACX80	●	SMDT1200MTL-C-ACX70	●	12.0mm	(0.4724)	
SMDT1210MTL-ACX70	★	SMDT1210MEL-ACX80	★	SMDT1210MTL-C-ACX70	●	12.1mm	(0.4764)	
SMDT1220MTL-ACX70	★	SMDT1220MEL-ACX80	★	SMDT1220MTL-C-ACX70	●	12.2mm	(0.4803)	
SMDT1230MTL-ACX70	★	SMDT1230MEL-ACX80	★	SMDT1230MTL-C-ACX70	●	12.3mm	(0.4843)	
SMDT04844MTL-ACX70	●	SMDT04844MEL-ACX80	●	SMDT04844MTL-C-ACX70	●	31/64	(0.4844)	SMDH049 □
SMDT1250MTL-ACX70	●	SMDT1250MEL-ACX80	●	SMDT1250MTL-C-ACX70	●	12.5mm	(0.4921)	
SMDT1260MTL-ACX70	★	SMDT1260MEL-ACX80	★	SMDT1260MTL-C-ACX70	●	12.6mm	(0.4960)	
SMDT05000MTL-ACX70	●	SMDT05000MEL-ACX80	●	SMDT05000MTL-C-ACX70	●	1/2	(0.5000)	
SMDT1270MTL-ACX70	★	SMDT1270MEL-ACX80	★	SMDT1270MTL-C-ACX70	●	12.7mm	(0.5000)	
SMDT1300MTL-ACX70	●	SMDT1300MEL-ACX80	●	SMDT1300MTL-C-ACX70	●	13.0mm	(0.5118)	SMDH051 □
SMDT05156MTL-ACX70	●	SMDT05156MEL-ACX80	●	SMDT05156MTL-C-ACX70	●	33/64	(0.5156)	
SMDT1310MTL-ACX70	★	SMDT1310MEL-ACX80	★	SMDT1310MTL-C-ACX70	●	13.1mm	(0.5157)	
SMDT05312MTL-ACX70	●	SMDT05312MEL-ACX80	●	SMDT05312MTL-C-ACX70	●	17/32	(0.5312)	
SMDT1350MTL-ACX70	●	SMDT1350MEL-ACX80	●	SMDT1350MTL-C-ACX70	●	13.5mm	(0.5315)	
SMDT1365MTL-ACX70	●	SMDT1365MEL-ACX80	●	SMDT1365MTL-C-ACX70	●	13.65mm	(0.5374)	SMDH055 □
SMDT05469MTL-ACX70	●	SMDT05469MEL-ACX80	●	SMDT05469MTL-C-ACX70	●	35/64	(0.5469)	
SMDT1400MTL-ACX70	●	SMDT1400MEL-ACX80	●	SMDT1400MTL-C-ACX70	●	14.0mm	(0.5512)	
SMDT1410MTL-ACX70	★	SMDT1410MEL-ACX80	★	SMDT1410MTL-C-ACX70	●	14.1mm	(0.5551)	
SMDT1420MTL-ACX70	★	SMDT1420MEL-ACX80	★	SMDT1420MTL-C-ACX70	●	14.2mm	(0.5591)	
SMDT05625MTL-ACX70	●	SMDT05625MEL-ACX80	●	SMDT05625MTL-C-ACX70	●	9/16	(0.5625)	SMDH059 □
SMDT1450MTL-ACX70	●	SMDT1450MEL-ACX80	●	SMDT1450MTL-C-ACX70	●	14.5mm	(0.5709)	
SMDT05781MTL-ACX70	●	SMDT05781MEL-ACX80	●	SMDT05781MTL-C-ACX70	●	37/64	(0.5781)	
SMDT1500MTL-ACX70	●	SMDT1500MEL-ACX80	●	SMDT1500MTL-C-ACX70	●	15.0mm	(0.5906)	
SMDT05937MTL-ACX70	●	SMDT05937MEL-ACX80	●	SMDT05937MTL-C-ACX70	●	19/32	(0.5938)	
SMDT06094MTL-ACX70	●	SMDT06094MEL-ACX80	●	SMDT06094MTL-C-ACX70	●	39/64	(0.6094)	SMDH063 □
SMDT1550MTL-ACX70	●	SMDT1550MEL-ACX80	●	SMDT1550MTL-C-ACX70	●	15.5mm	(0.6102)	
SMDT1560MTL-ACX70	★	SMDT1560MEL-ACX80	●	SMDT1560MTL-C-ACX70	●	15.6mm	(0.6142)	
SMDT1570MTL-ACX70	★	SMDT1570MEL-ACX80	●	SMDT1570MTL-C-ACX70	●	15.7mm	(0.6181)	
SMDT06250MTL-ACX70	●	SMDT06250MEL-ACX80	●	SMDT06250MTL-C-ACX70	●	5/8	(0.6250)	
SMDT1600MTL-ACX70	●	SMDT1600MEL-ACX80	●	SMDT1600MTL-C-ACX70	●	16.0mm	(0.6300)	SMDH067 □
SMDT1608MTL-ACX70	●	SMDT1608MEL-ACX80	●	SMDT1608MTL-C-ACX70	●	16.08mm	(0.6331)	
SMDT06406MTL-ACX70	●	SMDT06406MEL-ACX80	●	SMDT06406MTL-C-ACX70	●	41/64	(0.6406)	
SMDT1630MTL-ACX70	●	SMDT1630MEL-ACX80	●	SMDT1630MTL-C-ACX70	●	16.3mm	(0.6417)	
SMDT1650MTL-ACX70	●	SMDT1650MEL-ACX80	●	SMDT1650MTL-C-ACX70	●	16.5mm	(0.6496)	
SMDT06562MTL-ACX70	●	SMDT06562MEL-ACX80	●	SMDT06562MTL-C-ACX70	●	21/32	(0.6563)	SMDH071 □
SMDT1700MTL-ACX70	●	SMDT1700MEL-ACX80	●	SMDT1700MTL-C-ACX70	●	17.0mm	(0.6693)	
SMDT06719MTL-ACX70	●	SMDT06719MEL-ACX80	●	SMDT06719MTL-C-ACX70	●	43/64	(0.6719)	
SMDT06875MTL-ACX70	●	SMDT06875MEL-ACX80	●	SMDT06875MTL-C-ACX70	●	11/16	(0.6875)	
SMDT1750MTL-ACX70	●	SMDT1750MEL-ACX80	●	SMDT1750MTL-C-ACX70	●	17.5mm	(0.6890)	
SMDT1760MTL-ACX70	●	SMDT1760MEL-ACX80	●	SMDT1760MTL-C-ACX70	●	17.6mm	(0.6929)	SMDH075 □
SMDT1770MTL-ACX70	★	SMDT1770MEL-ACX80	★	SMDT1770MTL-C-ACX70	●	17.7mm	(0.6969)	
SMDT07031MTL-ACX70	●	SMDT07031MEL-ACX80	●	SMDT07031MTL-C-ACX70	●	45/64	(0.7031)	
SMDT1800MTL-ACX70	●	SMDT1800MEL-ACX80	●	SMDT1800MTL-C-ACX70	●	18.0mm	(0.7087)	
SMDT07187MTL-ACX70	●	SMDT07187MEL-ACX80	●	SMDT07187MTL-C-ACX70	●	23/32	(0.7188)	
SMDT1850MTL-ACX70	●	SMDT1850MEL-ACX80	●	SMDT1850MTL-C-ACX70	●	18.5mm	(0.7283)	SMDH075 □
SMDT07344MTL-ACX70	●	SMDT07344MEL-ACX80	●	SMDT07344MTL-C-ACX70	●	47/64	(0.7344)	
SMDT1900MTL-ACX70	●	SMDT1900MEL-ACX80	●	SMDT1900MTL-C-ACX70	●	19.0mm	(0.7480)	
SMDT07500MTL-ACX70	●	SMDT07500MEL-ACX80	●	SMDT07500MTL-C-ACX70	●	3/4	(0.7500)	
SMDT1925MTL-ACX70	●	SMDT1925MEL-ACX80	●	SMDT1925MTL-C-ACX70	●	19.25mm	(0.7579)	
SMDT07656MTL-ACX70	●	SMDT07656MEL-ACX80	●	SMDT07656MTL-C-ACX70	●	49/64	(0.7656)	SMDH075 □
SMDT1950MTL-ACX70	●	SMDT1950MEL-ACX80	●	SMDT1950MTL-C-ACX70	●	19.5mm	(0.7677)	

● = USA Stocked item ★ = Worldwide Warehouse item available in 10 business days ● = New expansion/USA Stocked item
 Note: Special diameters available upon request

**STANDARD TIP****SUPER ALLOY TIP****CORNER BREAK TIP**

(SMDT-MTL)		(SMDT-MEL)		(SMDT-C)				
Drill Tip	Stock	Drill Tip	øD	Drill Tip	Stock	øD		Body
SMDT07812MTL-ACX70	•	SMDT07812MEL-ACX80	•	SMDT07812MTL-C-ACX70	•	25/32	(0.7813)	SMDH079□
SMDT2000MTL-ACX70	•	SMDT2000MEL-ACX80	•	SMDT2000MTL-C-ACX70	•	20.0mm	(0.7874)	
SMDT07969MTL-ACX70	•	SMDT07969MEL-ACX80	•	SMDT07969MTL-C-ACX70	•	51/64	(0.7969)	
SMDT2050MTL-ACX70	•	SMDT2050MEL-ACX80	•	SMDT2050MTL-C-ACX70	•	20.5mm	(0.8071)	
SMDT08125MTL-ACX70	•	SMDT08125MEL-ACX80	•	SMDT08125MTL-C-ACX70	•	13/16	(0.8125)	SMDH083□
SMDT2100MTL-ACX70	•	SMDT2100MEL-ACX80	•	SMDT2100MTL-C-ACX70	•	21.0mm	(0.8268)	
SMDT08281MTL-ACX70	•	SMDT08281MEL-ACX80	•	SMDT08281MTL-C-ACX70	•	21.2mm	(0.8346)	
SMDT2120MTL-ACX70	★	SMDT2120MEL-ACX80	★	SMDT2120MTL-C-ACX70	•	53/64	(0.8281)	
SMDT08437MTL-ACX70	•	SMDT08437MEL-ACX80	•	SMDT08437MTL-C-ACX70	•	27/32	(0.8438)	SMDH087□
SMDT2150MTL-ACX70	•	SMDT2150MEL-ACX80	•	SMDT2150MTL-C-ACX70	•	21.5mm	(0.8465)	
SMDT08594MTL-ACX70	•	SMDT08594MEL-ACX80	•	SMDT08594MTL-C-ACX70	•	55/64	(0.8594)	
SMDT2200MTL-ACX70	•	SMDT2200MEL-ACX80	•	SMDT2200MTL-C-ACX70	•	22.0mm	(0.8661)	
SMDT08750MTL-ACX70	•	SMDT08750MEL-ACX80	•	SMDT08750MTL-C-ACX70	•	7/8	(0.8750)	SMDH087□
SMDT2245MTL-ACX70	•	SMDT2245MEL-ACX80	•	SMDT2245MTL-C-ACX70	•	22.45mm	(0.8839)	
SMDT2250MTL-ACX70	•	SMDT2250MEL-ACX80	•	SMDT2250MTL-C-ACX70	•	22.5mm	(0.8858)	
SMDT08906MTL-ACX70	•	SMDT08906MEL-ACX80	•	SMDT08906MTL-C-ACX70	•	57/64	(0.8906)	
SMDT2300MTL-ACX70	•	SMDT2300MEL-ACX80	•	SMDT2300MTL-C-ACX70	•	23.0mm	(0.9055)	SMDH091□
SMDT09062MTL-ACX70	•	SMDT09062MEL-ACX80	•	SMDT09062MTL-C-ACX70	•	29/32	(0.9062)	
SMDT09219MTL-ACX70	•	SMDT09219MEL-ACX80	•	SMDT09219MTL-C-ACX70	•	59/64	(0.9219)	
SMDT2350MTL-ACX70	•	SMDT2350MEL-ACX80	•	SMDT2350MTL-C-ACX70	•	23.5mm	(0.9252)	
SMDT09375MTL-ACX70	•	SMDT09375MEL-ACX80	•	SMDT09375MTL-C-ACX70	•	15/16	(0.9375)	SMDH096□
SMDT2400MTL-ACX70	•	SMDT2400MEL-ACX80	★	SMDT2400MTL-C-ACX70	•	24.0mm	(0.9449)	
SMDT2410MTL-ACX70	★	SMDT2410MEL-ACX80	•	SMDT2410MTL-C-ACX70	•	24.1mm	(0.9488)	
SMDT09531MTL-ACX70	•	SMDT09531MEL-ACX80	•	SMDT09531MTL-C-ACX70	•	61/64	(0.9531)	
SMDT2450MTL-ACX70	★	SMDT2450MEL-ACX80	•	SMDT2450MTL-C-ACX70	•	24.5mm	(0.9646)	SMDH100□
SMDT09687MTL-ACX70	•	SMDT09687MEL-ACX80	•	SMDT09687MTL-C-ACX70	•	31/32	(0.9687)	
SMDT2500MTL-ACX70	•	SMDT2500MEL-ACX80	•	SMDT2500MTL-C-ACX70	•	25.0mm	(0.9843)	
SMDT09844MTL-ACX70	•	SMDT09844MEL-ACX80	•	SMDT09844MTL-C-ACX70	•	63/64	(0.9844)	
SMDT10000MTL-ACX70	•	SMDT10000MEL-ACX80	•	SMDT10000MTL-C-ACX70	•	1	(1.0000)	SMDH104□
SMDT2550MTL-ACX70	★	SMDT2550MEL-ACX80	•	SMDT2550MTL-C-ACX70	•	25.5mm	(1.0039)	
SMDT2565MTL-ACX70	•	SMDT2565MEL-ACX80	•	SMDT2565MTL-C-ACX70	•	25.65mm	(1.0098)	
SMDT10156MTL-ACX70	•	SMDT10156MEL-ACX80	•	SMDT10156MTL-C-ACX70	•	1-1/64	(1.0156)	
SMDT2600MTL-ACX70	•	SMDT2600MEL-ACX80	•	SMDT2600MTL-C-ACX70	•	26.0mm	(1.0236)	SMDH107□
SMDT10312MTL-ACX70	•	SMDT10312MEL-ACX80	•	SMDT10312MTL-C-ACX70	•	1-1/32	(1.0312)	
SMDT2650MTL-ACX70	★	SMDT2650MEL-ACX80	•	SMDT2650MTL-C-ACX70	•	26.5mm	(1.0433)	
SMDT10469MTL-ACX70	•	SMDT10469MEL-ACX80	•	SMDT10469MTL-C-ACX70	•	1-3/64	(1.0469)	
SMDT10625MTL-ACX70	•	SMDT10625MEL-ACX80	•	SMDT10625MTL-C-ACX70	•	1-1/16	(1.0625)	SMDH110□
SMDT2700MTL-ACX70	•	SMDT2700MEL-ACX80	•	SMDT2700MTL-C-ACX70	•	27.0mm	(1.0630)	
SMDT10781MTL-ACX70	•	SMDT10781MEL-ACX80	•	SMDT10781MTL-C-ACX70	•	1-5/64	(1.0781)	
SMDT2750MTL-ACX70	★	SMDT2750MEL-ACX80	•	SMDT2750MTL-C-ACX70	•	27.5mm	(1.0827)	
SMDT10937MTL-ACX70	•	SMDT10937MEL-ACX80	•	SMDT10937MTL-C-ACX70	•	1-3/32	(1.0937)	SMDH112□
SMDT2800MTL-ACX70	•	SMDT2800MEL-ACX80	•	SMDT2800MTL-C-ACX70	•	28.0mm	(1.1024)	
SMDT11094MTL-ACX70	•	SMDT11094MEL-ACX80	•	SMDT11094MTL-C-ACX70	•	1-7/64	(1.1094)	
SMDT2850MTL-ACX70	•	SMDT2850MEL-ACX80	•	SMDT2850MTL-C-ACX70	•	28.5mm	(1.1220)	
SMDT11250MTL-ACX70	•	SMDT11250MEL-ACX80	•	SMDT11250MTL-C-ACX70	•	1-1/8	(1.1250)	SMDH115□
SMDT11406MTL-ACX70	•	SMDT11406MEL-ACX80	•	SMDT11406MTL-C-ACX70	•	1-9/64	(1.1406)	
SMDT2900MTL-ACX70	•	SMDT2900MEL-ACX80	•	SMDT2900MTL-C-ACX70	•	29.0mm	(1.1417)	
SMDT11562MTL-ACX70	•	SMDT11562MEL-ACX80	•	SMDT11562MTL-C-ACX70	•	1-5/32	(1.1562)	
SMDT2950MTL-ACX70	★	SMDT2950MEL-ACX80	•	SMDT2950MTL-C-ACX70	•	29.5mm	(1.1614)	SMDH118□
SMDT11719MTL-ACX70	•	SMDT11719MEL-ACX80	•	SMDT11719MTL-C-ACX70	•	1-11/64	(1.1719)	
SMDT3000MTL-ACX70	•	SMDT3000MEL-ACX80	•	SMDT3000MTL-C-ACX70	•	30.0mm	(1.1811)	
SMDT11875MTL-ACX70	•	SMDT11875MEL-ACX80	•	SMDT11875MTL-C-ACX70	•	1-3/16	(1.1875)	
SMDT3050MTL-ACX70	•	SMDT3050MEL-ACX80	•	SMDT3050MTL-C-ACX70	•	30.5mm	(1.2008)	

• = USA Stocked item ★ = Worldwide Warehouse item available in 10 business days • = New expansion/USA Stocked item
 Note: Special diameters available upon request



■ SMD BODIES (3X, 5X & 8X) METRIC

★ = Worldwide Warehouse item available in 10 business days

3X Diameter Body No.	Applicable Drill Head	Stock	ød	L	ℓ ₁ max depth	ℓ ₂	ℓ ₃	Screw	Wrench	Torque Specifications
SMDH120M	SMDT1200M□□ - SMDT1249M□□	★	16	105	44	57	48	BXD02208IP	TRDR08IP	12 in./lbs
SMDH125M	SMDT1250M□□ - SMDT1299M□□	★	16	105	44	57	48	BXD02208IP	TRDR08IP	12 in./lbs
SMDH130M	SMDT1300M□□ - SMDT1349M□□	★	16	110	47	62	48	BXD02208IP	TRDR08IP	12 in./lbs
SMDH140M	SMDT1350M□□ - SMDT1450M□□	★	16	116.5	52.5	68.5	48	BXD02208IP	TRDR08IP	12 in./lbs
SMDH150M	SMDT1451M□□ - SMDT1550M□□	★	20	126.5	55.5	76.5	50	BXD02208IP	TRDR08IP	12 in./lbs
SMDH160M	SMDT1551M□□ - SMDT1650M□□	★	20	131.5	59.5	81.5	50	BXD02509IP	TRDR10IP	15 in./lbs
SMDH170M	SMDT1651M□□ - SMDT1750M□□	★	20	136.5	62.5	86.5	50	BXD02509IP	TRDR10IP	15 in./lbs
SMDH180M	SMDT1751M□□ - SMDT1850M□□	★	20	141.5	66.5	91.5	50	BXD02509IP	TRDR10IP	15 in./lbs
SMDH190M	SMDT1851M□□ - SMDT1950M□□	★	25	156.5	69.5	100.5	56	BXD03011IP	TRDR15IP	26 in./lbs
SMDH200M	SMDT1951M□□ - SMDT2050M□□	★	25	156.5	73.5	100.5	56	BXD03011IP	TRDR15IP	26 in./lbs
SMDH210M	SMDT2051M□□ - SMDT2150M□□	★	25	156.5	76.5	100.5	56	BXD03011IP	TRDR15IP	26 in./lbs
SMDH220M	SMDT2151M□□ - SMDT2280M□□	★	25	161.1	80.1	105.1	56	BXD03512IP	TRDR15IP	41 in./lbs
SMDH230M	SMDT2281M□□ - SMDT2380M□□	★	25	160.6	82.6	104.6	56	BXD03512IP	TRDR15IP	41 in./lbs
SMDH240M	SMDT2381M□□ - SMDT2480M□□	★	32	170.2	86.2	110.2	60	BXD03512IP	TRDR15IP	41 in./lbs
SMDH250M	SMDT2481M□□ - SMDT2580M□□	★	32	170	88	110	60	BXD04014IP	TRDR20IP	61 in./lbs
SMDH260M	SMDT2581M□□ - SMDT2680M□□	★	32	175	92	115	60	BXD04014IP	TRDR20IP	61 in./lbs
SMDH270M	SMDT2681M□□ - SMDT2780M□□	★	32	175	94	115	60	BXD04014IP	TRDR20IP	61 in./lbs
SMDH280M	SMDT2781M□□ - SMDT2880M□□	★	32	180	97	120	60	BXD04515IP	TRDR25IP	88 in./lbs
SMDH290M	SMDT2881M□□ - SMDT2980M□□	★	32	180	100	120	60	BXD04515IP	TRDR25IP	88 in./lbs
SMDH300M	SMDT2981M□□ - SMDT3080M□□	★	32	185	104	125	60	BXD04515IP	TRDR25IP	88 in./lbs

5X Diameter Body No.	Applicable Drill Head	Stock	ød	L	ℓ ₁ max depth	ℓ ₂	ℓ ₃	Screw	Wrench	Torque Specifications
SMDH120L	SMDT1200M□□ - SMDT1249M□□	★	16	130	69	82	48	BXD02208IP	TRDR08IP	12 in./lbs
SMDH125L	SMDT1250M□□ - SMDT1299M□□	★	16	130	69	82	48	BXD02208IP	TRDR08IP	12 in./lbs
SMDH130L	SMDT1300M□□ - SMDT1349M□□	★	16	140	74	102	48	BXD02208IP	TRDR08IP	12 in./lbs
SMDH140L	SMDT1350M□□ - SMDT1450M□□	★	16	146.5	81.5	98.5	48	BXD02208IP	TRDR08IP	12 in./lbs
SMDH150L	SMDT1451M□□ - SMDT1550M□□	★	20	156.5	86.5	106.5	50	BXD02208IP	TRDR08IP	12 in./lbs
SMDH160L	SMDT1551M□□ - SMDT1650M□□	★	20	166.5	92.5	116.5	50	BXD02509IP	TRDR10IP	15 in./lbs
SMDH170L	SMDT1651M□□ - SMDT1750M□□	★	20	171.5	97.5	121.5	50	BXD02509IP	TRDR10IP	15 in./lbs
SMDH180L	SMDT1751M□□ - SMDT1850M□□	★	20	176.5	103.5	126.5	50	BXD02509IP	TRDR10IP	15 in./lbs
SMDH190L	SMDT1851M□□ - SMDT1950M□□	★	25	191.5	108.5	135.5	56	BXD03011IP	TRDR15IP	26 in./lbs
SMDH200L	SMDT1951M□□ - SMDT2050M□□	★	25	196.5	114.5	140.5	56	BXD03011IP	TRDR15IP	26 in./lbs
SMDH210L	SMDT2051M□□ - SMDT2150M□□	★	25	196.5	119.5	140.5	56	BXD03011IP	TRDR15IP	26 in./lbs
SMDH220L	SMDT2151M□□ - SMDT2280M□□	★	25	201.1	125.1	145.4	56	BXD03512IP	TRDR15IP	41 in./lbs
SMDH230L	SMDT2281M□□ - SMDT2380M□□	★	25	210.6	129.6	154.6	56	BXD03512IP	TRDR15IP	41 in./lbs
SMDH240L	SMDT2381M□□ - SMDT2480M□□	★	32	220.2	135.2	160.2	60	BXD03512IP	TRDR15IP	41 in./lbs
SMDH250L	SMDT2481M□□ - SMDT2580M□□	★	32	225	140	165	60	BXD04014IP	TRDR20IP	61 in./lbs
SMDH260L	SMDT2581M□□ - SMDT2680M□□	★	32	230	146	170	60	BXD04014IP	TRDR20IP	61 in./lbs
SMDH270L	SMDT2681M□□ - SMDT2780M□□	★	32	235	151	175	60	BXD04014IP	TRDR20IP	61 in./lbs
SMDH280L	SMDT2781M□□ - SMDT2880M□□	★	32	240	157	180	60	BXD04515IP	TRDR25IP	88 in./lbs
SMDH290L	SMDT2881M□□ - SMDT2980M□□	★	32	245	162	185	60	BXD04515IP	TRDR25IP	88 in./lbs
SMDH300L	SMDT2981M□□ - SMDT3080M□□	★	32	255	167	195	60	BXD04515IP	TRDR25IP	88 in./lbs

8X Diameter Body No.	Applicable Drill Head	Stock	ød	L	ℓ ₁ max depth	ℓ ₂	ℓ ₃	Screw	Wrench	Torque
SMDH140D	SMDT1350M□□ - SMDT1450M□□	★	16	191.5	124.5	143.5	48	BXD02208IP	TRDR08IP	12 in./lbs
SMDH150D	SMDT1451M□□ - SMDT1550M□□	★	20	201.5	133.5	151.5	50	BXD02208IP	TRDR08IP	12 in./lbs
SMDH160D	SMDT1551M□□ - SMDT1650M□□	★	20	211.5	141.5	161.5	50	BXD02509IP	TRDR10IP	15 in./lbs
SMDH170D	SMDT1651M□□ - SMDT1750M□□	★	20	221.5	150.5	171.5	50	BXD02509IP	TRDR10IP	15 in./lbs
SMDH180D	SMDT1751M□□ - SMDT1850M□□	★	20	226.5	158.5	176.5	50	BXD02509IP	TRDR10IP	15 in./lbs
SMDH190D	SMDT1851M□□ - SMDT1950M□□	★	25	251.5	167.5	195.5	56	BXD03011IP	TRDR15IP	26 in./lbs
SMDH200D	SMDT1951M□□ - SMDT2050M□□	★	25	261.5	175.5	205.5	56	BXD03011IP	TRDR15IP	26 in./lbs
SMDH210D	SMDT2051M□□ - SMDT2150M□□	★	25	266.5	184.5	210.5	56	BXD03011IP	TRDR15IP	26 in./lbs
SMDH220D	SMDT2151M□□ - SMDT2280M□□	★	25	271.1	192.1	215.1	56	BXD03512IP	TRDR15IP	41 in./lbs
SMDH230D	SMDT2281M□□ - SMDT2380M□□	★	25	280.6	200.6	224.6	56	BXD03512IP	TRDR15IP	41 in./lbs
SMDH240D	SMDT2381M□□ - SMDT2480M□□	★	32	295.2	208.2	235.2	60	BXD03512IP	TRDR15IP	41 in./lbs
SMDH250D	SMDT2481M□□ - SMDT2580M□□	★	32	300	217	240	60	BXD04014IP	TRDR20IP	61 in./lbs
SMDH260D	SMDT2581M□□ - SMDT2680M□□	★	32	310	225	250	60	BXD04014IP	TRDR20IP	61 in./lbs
SMDH270D	SMDT2681M□□ - SMDT2780M□□	★	32	320	234	260	60	BXD04014IP	TRDR20IP	61 in./lbs
SMDH280D	SMDT2781M□□ - SMDT2880M□□	★	32	325	242	265	60	BXD04515IP	TRDR25IP	88 in./lbs
SMDH290D	SMDT2881M□□ - SMDT2980M□□	★	32	335	251	275	60	BXD04515IP	TRDR25IP	88 in./lbs
SMDH300D	SMDT2981M□□ - SMDT3080M□□	★	32	345	259	285	60	BXD04515IP	TRDR25IP	88 in./lbs



SUMITOMO

CARBIDE - CBN - DIAMOND

Sumitomo Electric Carbide, Inc.

Headquarters

1001 Business Center Drive
Mount Prospect, IL 60056-2181
P.O. Box 545, Mt. Prospect, IL 60056-0545
Phone: (800) 950-5202
Phone: (847) 635-0044
Fax: (847) 635-7866
<http://www.sumicarbide.com>

Detroit Branch

14496 Sheldon Road #230
Plymouth, MI 48170
Phone: (800) 239-5177
Phone: (734) 451-0200
Fax: (734) 451-5338

Cincinnati Branch

4450 Carver Woods Drive
Cincinnati, OH 45242-5545
Phone: (800) 879-1887
Phone: (513) 891-4000
Fax: (513) 794-2911

Huntsville Branch

6700 Odyssey Drive
Suite 211
Huntsville, AL 35806
Phone: (256) 971-1203
Fax: (256) 971-1205

Torrance Branch

21241 South Western Avenue
Suite 120
Torrance, CA 90501
Phone: (800) 950-5202
Fax: (310) 782-0211

Sumitomo Hardmetal Mexico (SHMM)

Av. Aguascalientes Sur #2625
Fracc. Jardines de las Fuentes
Aguascalientes, AGS Mexico
C.P. 20278
Phone: 011-52-449-993-2740
Fax: 011-52-449-993-2753

