

TECHNICAL INFORMATION



Tap Adapter Shank and Square Sizes

To determine which tap adapter to select for the tap you are using:

1. Measure the tap shank and square sizes.
2. Match the sizes for the shank and square with those on the left side of the chart.
3. Once matched go to the left side of the chart for the part number.

⇒ Please contact Customer Service with any questions or problems.

T.M. Smith NTA Part Number	Tap Size																		
	Shank Diameter		Square Size		ANSI		ISO Full	ISO Rel	ISO Full	ISO Rel	JIS	DIN 352	DIN 353	DIN 371	DIN 374	DIN 376	DIN 2182	DIN 2183	
	MM	Inch	MM	Inch	Inch	Metric	UNC/UNF	BSW											
	2.24	0.088	1.8	0.071				M3 & #5											
	2.5	0.098	2.0	0.079			M1 & M2	M3.5 & #6											
	2.5	0.098	2.1	0.083							M1 & M1.8			M1 & M1.8	M3.5	M3.5	1/16"		
51-50280	2.8	0.110	2.1	0.083							M2 & M2.6			M2 & M2.6	M4	M4	3/32"	5/32"	
	2.8	0.110	2.24	0.088			M2 & M2.5												
51-60300	3.0	0.118	2.5	0.098						M1 & M2.6									
	3.15	0.124	2.5	0.098			M3 #4 & #5	M4 & #8											
51-50350	3.5	0.138	2.7	0.106							M3			M3	M4.5 & M5	M4.5 & M5	1/8"		
51-40355	3.55	0.140	2.8	0.110			M3.5 & #6	M4.5 & #10	3/16"										
50-106 51-106		0.141		0.110	#0 THRU #6	M1.6													
51-50400	4.0	0.157	3.0	0.118							M3.5			M3.5			7/32"		
51-40400	4.0	0.157	3.15	0.124			M4	M5, M5.5 & #12											
51-60400	4.0	0.157	3.20	0.126						M3 & M3.5									
50-108 51-108		0.168		0.131	#8	M4													
51-50450	4.5	0.177	3.4	0.134							M4			M4	M6	M6	5/32"	1/4"	
51-40450	4.5	0.177	3.55	0.140			M4.5 & #8	M6 & 1/4	1/4"										
50-110 51-110		0.194		0.152	#10	M4.5 & M5													
51-40500	5.0	0.197	4.0	0.157			M5 & #10		3/16"	M4 & M4.5									
	5.5	0.217	4.3	0.169											M7	M7			
51-60550	5.5	0.217	4.5	0.177						M5 & M5.5									
51-112		0.220		0.165	#12														
51-40560	5.6	0.220	4.5	0.177			M5.5 & #12	M7											
51-60600	6.0	0.236	4.5	0.177						M6 & 1/4									
51-50600	6.0	0.236	4.9	0.193							M4.5, M5 & M6			M5 & M6	M8	M8			
	6.1	0.240	5.0	0.197						5/16"									
51-60620	6.2	0.244	5.0	0.197						M7 & M8									
51-40630	6.3	0.248	5.0	0.197			M6 & 1/4	M8 & 5/16	1/4"	5/16"									
50-004 51-004		0.255		0.191	#14 & 1/4	M6 & M6.3													
51-50700	7.0	0.276	5.5	0.217						M9 & M10 & 3/8	M7	1/8"		M9 & M10	M9 & M10	1/4"	3/8"		
51-40710	7.1	0.280	5.6	0.220			M7	M9 & 3/8	3/8"										
51-005		0.313		0.234	1/8"ssP & 1/16P														
51-60800	8.0	0.315	6.0	0.236						M11, 7/16 & 1/8P									
51-50800	8.0	0.315	6.2	0.244										M8	M11	M11	5/16"	7/16"	
51-40800	8.0	0.315	6.3	0.248			M8 & 5/16	M10, M11 & 7/16	5/16"	7/16"									
51-005		0.318		0.238	5/16"	M7 & 8													
51-007		0.323		0.242	7/16"														
51-60850	8.5	0.335	6.5	0.256						M12									
51-50900	9.0	0.354	7.0	0.276						1/2"	M12			M9	M12	M12	3/8"	1/2"	
51-40900	9.0	0.354	7.1	0.280			M9	M12 & 1/2	1/2"										
51-008		0.367		0.275	1/2"	M12 & M12.5													
	9.5	0.374	7.0	0.276						M13									
51-006		0.381		0.286	3/8"	M10													
51-41000	10.0	0.394	8.0	0.315			M10 & 3/8		3/8"					M10					
52-61050	10.5	0.413	8.0	0.315						M14, M15 & 9/16									
51-009		0.429		0.322	9/16"	M14													
52-51100	11.0	0.433	9.0	0.354						1/4" P	M14	1/4"		M14	M14			9/16"	
51-202		0.438		0.328	1/8" P														

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T.M. Smith NTA Part Number	Tap Size																
	Shank Diameter		Square Size		ANSI	ANSI	ISO	ISO									
	MM	Inch	MM	Inch	Inch	Metric	UNC/JUNF	BSW	JIS	DIN 352	DIN 353	DIN 371	DIN 374	DIN 376	DIN 2182	DIN 2183	
52-41120	11.2	0.441	9.0	0.354			M14, M15 & 9/16	9/16									
52-51200	12.0	0.472	9.0	0.354				5/8	M16	3/8		M16	M16				5/8
52-010		0.480		0.360	5/8	M16											
52-41250	12.5	0.492	10.0	0.394			M16, M17 & 5/8	5/8	M16								
	13.0	0.512	10.0	0.394					M17								
52-011		0.542		0.406	11/16	M18											
52-51400	14.0	0.551	11.0	0.433					M18, 3/4 & 3/8 PIPE	M18			M18	M18			11/16
52-41400	14.0	0.551	11.2	0.441			M18, M20 & 3/4	11/16 & 3/4									
52-204		0.563		0.421	1/4 P												
52-012		0.590		0.442	3/4												
52-61500	15.0	0.591	12.0	0.472					M20								
52-51600	16.0	0.630	12.0	0.472						M20	1/2		M20	M20			13/16
52-41600	16.0	0.630	12.5	0.492			M22 & 7/8	7/8									
52-013		0.652		0.489	13/16	M20											
52-61700	17.0	0.669	13.0	0.512					M22 & 7/8								
52-208		0.688		0.515	1/2 P												
52-014		0.697		0.523	7/8	M22											
52-206		0.700		0.531	3/8 P												
52-41800	18.0	0.709	14.0	0.551			M24, M25 & 1	1	1/2 P								
52-51800	18.0	0.709	14.5	0.571						M22 & M24	5/8		M22 & M24	M22 & M24			7/8 & 15/16
53-61900	19.0	0.748	15.0	0.591					M24, M25 & 5/8 PIPE								
53-015		0.760		0.570	15/16	M24											
53-62000	20.0	0.787	15.0	0.591					M26, M27 & 1								
53-42000	20.0	0.787	16.0	0.630			M27, M28, M30 & 1-1/8	1-1/8		M27	3/4		M27	M27			1
53-016		0.800		0.600	1	M25											
	21.0	0.827	17.0	0.669					M28								
53-62200	22.0	0.866	17.0	0.669					1-1/8								
53-52200	22.0	0.866	18.0	0.709						M30	7/8		M30	M30			1-1/8
53-42240	22.4	0.882	18.0	0.709			M32, M33 & 1-1/4	1-1/4									
53-018		0.896		0.672	1-1/16, 1-1/8	M27											
53-62300	23.0	0.906	17.0	0.669					M30								
53-212		0.906		0.679	3/4 P												
	24.0	0.945	19.0	0.748					M32								
	25.0	0.984	19.0	0.748					M33								
53-42500	25.0	0.984	20.0	0.787			M35, M36 & 1-3/8			M33			M33	M33			1-1/4
53-020		1.021		0.766	1-1/4	M30											
	26.0	1.024	21.0	0.827					M34 & M35								
	28.0	1.102	21.0	0.827					M36 & M38								
	28.0	1.102	22.0	0.866						M36			M36	M36			1-3/8
	28.0	1.102	22.4	0.882			M39, M40, M42, 1-1/2 & 1-5/8										
53-022		1.108		0.831	1-5/16, 1-3/8	M33											
53-216		1.125		0.843	1 P												