

MUELLER® B-101™ DRILLING AND TAPPING MACHINES COMBINED CUTTERS AND TAPS



1.5

Rev. 4-99

B-101 Combined Drills and Taps with replaceable carbide tipped drill—AWWA taper thread

Material of pipe to be tapped	Size and class of pipe to be tapped		Drill l'gth.	Thr'd size of stop	Drill and tap complete	Component		Rollpin
	Size	Class				Drill and rollpin	Tap and shank with rollpin	
A-C†	3"-24"	100	Reg.	3/4"	680671	580779	680675	502580
	3"-16"	150		1"	680672	580780	680676	502581
	3"-14"	200						



See bottom of page 1.4 for footnote †

B-101 Combined Shell Cutters and Taps for PVC plastic pipe—AWWA taper thread

Material of pipe to be tapped	Maximum pipe wall thickness	Thread size of stop	Component*		Optional coupon removal tool
			Tap and shank	Shell cutter	
Cast iron O.D. PVC plastic pipe (AWWA C900)	.750"	3/4"	581502	508110	581636
		1"	581503	508111	581637



* Need to order both tap/shank and shell cutter.

B-101 Combined Shell Cutters and Taps

Thread type	Material of pipe to be tapped	Size and class of pipe to be tapped		Thread size of stop or plug	Shell cutter and tap complete	Shell cutter and tap components				
		Size	Class			Comb. shank and tap	Shell cutter	Pilot drill	Retaining screw	Drift pin
AWWA Taper Thread	Cast iron	4"-48" 4"-42"	250* D**	1-1/2"	580517	580516	501701	501641	37802	63264
				2"	580518	580519	53627	501642	33510	63264
AWWA I.P. Thread	Cast iron	4"-48" 4"-42"	250* D**	1-1/4"	580444	580440	37353	501641	37802	63264
				1-1/2"	580445	580441	37354	501641	37802	63264
	Ductile iron	4"-54"	All***	2"	580446	580442	37355	501642	33510	63264
				2-1/2"	681502	681501	40907	37356	33509	63264



See bottom of page 1.4 for footnotes *, ** and ***

Type of thread	Tap size	Thickness of various pipe diameters, in inches															
		3	4	6	8	10	12	14	16	18	20	24	30	36	42	48	
AWWA Taper Thread	1/2"	.33	.32	.31	.30	.30	.30	.30	.29	.29	.29	.29	.29	.29	.28	.28	
	5/8"	.36	.35	.32	.31	.31	.30	.30	.30	.29	.29	.29	.29	.29	.29	.28	
	3/4"	.37	.36	.35	.34	.33	.33	.32	.32	.32	.32	.31	.31	.31	.31	.31	
	1"	.46	.44	.40	.39	.38	.37	.36	.36	.36	.35	.35	.35	.34	.34	.34	
	1-1/4"	.57	.52	.47	.44	.42	.41	.40	.39	.39	.39	.38	.37	.37	.37	.37	
	1-1/2"	.64	.58	.51	.47	.45	.43	.42	.41	.40	.40	.39	.38	.38	.37	.37	
	2"	.86	.75	.61	.55	.51	.48	.46	.45	.44	.43	.42	.40	.40	.39	.38	
AWWA I.P. Thread	1/2"	.330	.322	.311	.305	.301	.299	.297	.296	.295	.295	.292	.291	.290	.289	.289	
	3/4"	.356	.343	.325	.316	.310	.306	.304	.301	.300	.298	.296	.294	.293	.292	.291	
	1"	.459	.438	.411	.396	.387	.381	.376	.373	.370	.368	.365	.361	.359	.358	.356	
	1-1/4"	.528	.493	.449	.425	.410	.400	.393	.388	.383	.380	.375	.370	.366	.363	.361	
	1-1/2"	.588	.540	.481	.449	.430	.417	.407	.400	.394	.390	.383	.376	.372	.368	.366	
	2"	.740	.657	.558	.508	.477	.456	.441	.430	.421	.414	.403	.392	.385	.380	.376	
	2-1/2"	-	.968	.812	.736	.689	.658	.636	.620	.607	.596	.580	.565	.554	.546	.541	
	3"	-	-	.975	.855	.784	.737	.704	.679	.659	.644	.620	.596	.580	.569	.560	

This chart gives the minimum wall thickness of pipe that will provide the recommended four full threads of engagement with the corporation stop inlet thread. For pipe with thinner walls than specified here, use MUELLER Service Clamps and Corporation Stops.

Note: Mueller recommended cutting grease is available in pints (88366).