

1.12



MUELLER® A-3™ DRILLING AND TAPPING MACHINE COMBINED DRILLS AND TAPS

Rev. 11-10 Shaded area indicates change



Regular drill length

Long drill length

MUELLER Combined Drills and Taps for A-3 Machines

MUELLER Combined Drills and Taps are designed and manufactured to perfectly match the corresponding stop or plug thread to assure a pressure tight seal. To further assure these tools are of the highest quality, MUELLER Combined Drills and Taps are tested by making an actual tap in a cast iron plate, and the resulting thread is gaged. Each MUELLER Combined Drill and Tap is subjected to a hardness test to assure material integrity.

NOTE: MUELLER CO. offers a reconditioning service for MUELLER made combined drills and taps, combined shell cutters and taps, and shell cutters. Contact MUELLER Customer Service Center for details.

Mueller A-3 Machine Tool Kit - 682294

Description	Part No.	Description	Part No.	Description	Part No.	Description	Part No.
1" Equipment		1-1/2" Equipment		2" Equipment		DI Pipe Saddles	
CD&T	680540	CD&T	681488	CD&T	681489	6"	75908
Inserting Tool	680601	Flare Inserting Tool	88640	Flare Inserting Tool	88641	8"	75909
		110 Inserting Tool	680421	110 Inserting Tool	680422	10"	75910
						12"	40236
						14"	75911
						16"	40238
						18"	75831
						20"	40240
						24"	40241

All A-3 Combined Drills and Taps except those designated for steel are designed for use of cement lined and unlined cast or ductile iron and A-C pipe. These tools are labeled CEM-RES®.†

Type of Inlet thread on corporation stop or plug	Material of pipe to be tapped	Size and class of pipe to be tapped		Size of Inlet thread on corporation stop or plug					
		Size	Class	1"	1-1/4"	1-1/2"	2"	2-1/2"	
AWWA Taper Thread	Cement-Lined Ductile Iron	6"-54"	All***	680540	681487	681488	681489	-	
	Ductile Iron	All	All***						
	Cement-Lined Cast Iron	6"-48"	250*						
	Cast Iron	Cast Iron	6"-30"	250*	680536♦	63656	63657	63658	-
			6"-20"	D**					
			36"-48" 24"-42"	250* D**					
A-C		6"-24"	100						
		6"-16"	150						
		6"-14"	200						
Steel		6"-24"	Sch. 40	680548	37130	37131	37132	-	
AWWA I.P. Thread	Cement-Lined Ductile Iron	6"-54"	All***						
	Ductile Iron	All	All***						
	Cement-Lined Cast Iron	6"-48"	250*	680574	681492	681493	681494	681506	
	Cast Iron	Cast Iron	6"-30"	250*					
			6"-20"	D**					
			36"-48" 24"-42"	250* D**					
	A-C		6"-24"	100	680574	-	-	-	-
			6"-16"	150					
		6"-14"	200						
Steel		6"-24"	Sch. 40	680571	37123	37124	37125	-	

♦ Long drill point

* Centrifugally cast and pit cast iron pipe, classes 50 through 250 meeting the following specifications: ANSI/AWWA C102/A21.2; ANSI/AWWA C106/A21.6; ANSI/AWWA C108/A21.8; Federal specification WW-P-421 and pit cast iron pipe, classes A and B.

** Maximum size of pit cast iron pipe, classes C and D.

*** Ductile iron pipe, classes 50 through 56 meeting specifications ANSI/AWWA C151/A21.51

† These tools, marked CEM-RES®, have been developed for use on A-C pipe meeting specifications ASTM C296 and AWWA C400 and for cement-lined pipe meeting specifications ANSI/AWWA C104/A21.4 (the warranty will be voided on any non-CEM-RES drills used on A-C pipe). Cutting grease is mandatory on all CEM-RES drills except when tapping AC pipe.

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

WARNING: Use on A-C pipe, which contains a known carcinogen, requires appropriate protective equipment and procedures be employed.