

# MUELLER® C1-36-99002 SHELL CUTTERS, DRILLS & DRILLING MACHINE ADAPTERS



# 3.13

Rev. 9-09

## Shell cutters to install gate valves or standard fittings on steel pipe

Material of pipe to be cut	Equipment	Size of valve or fitting											
		2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"
Size of shell cutter or drill		1-1/2"	2-1/2"	3-1/2"	5-1/2"	7-1/2"	9-1/2"	10-13/16"	12"	14-1/2"	17-1/2"	18-1/2"	18-1/2"
Steel	Shell cutter	-	33518	33519	36004	33999	33244	33243	80549**	83911*	89883	83915*	83915*
	Cutter hub	-	88338	88340	63978	33996	33250	33107	54491	83909	581577	83917	83917
	Pilot drill	-	33976	33976	36005	64244	36338	36338	74871	83910	83916	83916	83916
	Drill	88341	-	-	-	-	-	-	-	-	-	-	-

### MUELLER C1-36-99002 Drilling Machine adapter

Adapters are required to permit the C1-36-99002 drilling machine to be attached to tapping valves, gate valves and standard flanged fittings.



Tapping Valve Information		Maximum Working Pressure†	Adapter Part	Size of valve or fitting												
Valve end connection	Valve catalog no.			2"	3"	4"	6"	8"	10"	12"	14"	16"	18"	20"	24"	
A-C or hub	H-637, H-643, H-645, H-660, H-662, H-663, H-681, H-698	200 psig @ 100F	Adapter complete	-	83361	83362	83363	83364	83365	83366	-	-	-	-		
			Adapter only	-	54560	54527	54515	54537	54658	54548	580521	83908	580479	89114	-	
			Adapter gasket	-	59772	59773	59774	59775	54677	54686	501716	501065	505025	501091	-	
			Adapter bolts & nuts	Part no.	-	56682	56682	54162	54162	94407	94407	90222	53987	90223	90223	-
				Quantity	-	6	6	6	6	8	10	12	14	14	14	-
			Washer	Part no.	-	58321	58321	92576	92576	98919	98919	98919	92576	98919	98919	-
Quantity	-	12		12	12	12	16	20	24	28	28	28	-			
Mechanical Joint	H-665, H-667, H-668, H-687, H-699, T-2360	200 psig @ 100F	Adapter complete	83432	83367	83368	83369	83370	83371	83372	-	-	-	-		
			Adapter only	52161	46269	46268	46267	46266	46265	46264	580521	83907	580479	83919	580762	
			O-ring Adapter gasket	307923	307925	307926	307927	307928	307929	307930	501716	501064	505004	501092	502539	
			Adapter bolts & nuts††	Part no.	503708	Bolts and nuts are furnished with each mechanical joint tapping valve in these sizes										
Quantity	2															
Mechanical Joint Mfg. Aluminum			Adapter only	-	-	537038	537040	537041	537050	537051	-	-	-	-		
AquaGrip Aluminum			Adapter complete♦	-	-	682352	682353	682354	682383	682384	-	-	-	-		
			Adapter only♦	-	-	528224	528225	528226	528320	528313	-	-	-	-		
			Adapter bolts	Part no.	-	-	194541	194541	194541	194541	194541	-	-	-	-	
				Quantity	-	-	4	4	6	8	8	-	-	-	-	
			Adapter nuts	Part no.	-	-	195237	195237	195237	195237	195237	-	-	-	-	
				Quantity	-	-	4	4	6	8	8	-	-	-	-	
			Washers	Part no.	-	-	092576	092576	092576	092576	092576	-	-	-	-	
				Quantity	-	-	4	4	6	8	8	-	-	-	-	
Plug	Part no.	-	-	36950	36950	36950	36950	36950	-	-	-	-				
	Quantity	-	-	4	4	6	8	8	-	-	-	-				
Adapters for flanged gate valves and standard flange fittings having ANSI 125/150 pound inlet flange		230 psig @ 100F	Adapter only	89432	89433	89434	89435	89436	89437	89438	681577	89267	682031	89114	-	

\*Tungsten carbide tipped tool.

\*\*High speed steel tipped - DO NOT use on cement lined pipe, A-C pipe or concrete pipe.

† This is the maximum working pressure of the adapter at 100F (38C). This working pressure must be reduced accordingly if any attachment, valve, fitting or machine subjected to pressure during the use of this adapter, has a maximum working pressure less than that specified above.

†† Two of the four bolts and nuts needed to attach the adapter to the tapping valve are supplied with the adapter when ordered complete, or can be ordered separately.

♦NOTE: These Adapters use the intermediate ring and O-ring from the valve to create a seal between the adapter and the valve end. The AquaGrip adapter comes tapped with a 2" IP thread and plug so a chip flushing valve can be utilized during the cut (valve not provided.)



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