

# MUELLER® 3" - 12" NO-BLO® LINE STOPPER FITTINGS - MAXIMUM PRESSURES



# 11.1

Shaded area indicates change Rev. 12-06

The maximum pressure at which any stopping operation can safely be performed is governed by the item having the lowest operating pressure rating. This item is not necessarily the fitting itself. Use the following chart to determine the maximum pressure for a given situation. Keep in mind that equipment rated at a pressure which is lower than the system's operating pressure may be used by lowering the system pressure temporarily. There are many factors affecting the decision to lower system pressure to allow a stopping operation, almost always involving how tolerant customers served by the line can be of a pressure reduction. The charts can be used in two ways:

1. If you already have Mueller equipment, use the chart to determine the maximum pressure by finding the fitting and other stopping equipment you plan to use.
2. If you are looking for the Mueller equipment that will best match your system pressure, find the pressure at the right of the chart to determine which stopping machine, control method, stopper and fitting combination can be used. Mueller Co. recommends contacting a trained Mueller Sales Representative or Authorized Gas Products Distributor for assistance with selecting and ordering equipment.

## Maximum operating pressures for combinations of equipment

Fitting	Size	Stopper Selection		Maximum Pressure (at 100F/38C) based on the lowest operating pressure rating of either the Stopper or stop-off machine used				
		Stopper Type	Stopper Cat. No.	Unit No. 2	Unit No. 3	No. 3SW	No. 3SW-500	No. 4SW
H-17251 or H-17252	3"	S	88610	100	-	-	-	-
		BT	88609	100	-	-	-	-
		BC	680514	100	-	-	-	-
	4"	S	88614	100	-	-	-	-
		BT	88613	100	-	-	-	-
		BC	680515	100	-	-	-	-
	6"	SW	89694	-	-	275	275	-
		S	682365	-	100	-	-	-
		BC	682364	-	100	-	-	-
	8"	SW	89696	-	-	275	275	-
		S	88699	-	100	-	-	-
		BC	680517	-	100	-	-	-
H-17255	3"	SW	89698	-	-	275	275	-
		S	88610	100	-	-	-	-
		BT	88609	100	-	-	-	-
	4" or 4" x 3"	BC	680514	100	-	-	-	-
		S	88614	100	-	-	-	-
		BT	88613	100	-	-	-	-
	6"	BC	680515	100	-	-	-	-
		SW	89694	-	-	275	275	-
		S	682365	-	100	-	-	-
	8"	BC	682364	-	100	-	-	-
		SW	89696	-	-	275	275	-
		S	88699	-	100	-	-	-
10", 12"	BC	680517	-	100	-	-	-	
	SW	89698	-	-	275	275	-	
		SW	89704	-	-	-	275	

S=Solid rubber Stopper. BT=Solid rubber Bypass through top. BC= Solid rubber Bypass through top or bottom. SW=Steel Wedge Stopper with polyurethane cover Bypass through top or bottom. All operating pressure are for current style stoppers.

Rev. 12-06 Shaded area indicates changes

Fitting	Size	Stopper Selection		Maximum Pressure (at 100F/38C) based on the lowest operating pressure rating of either the Stopper or stop-off machine used				
		Stopper Type	Stopper Catalog No.	Unit No. 2	Unit No. 3	No. 3SW	No. 3SW-500	No. 4SW
H-17256	3"	S	88610	100	-	-	-	-
		BT	88609	100	-	-	-	-
		BC	680514	100	-	-	-	-
	4" or 4" x 3"	S	88614	100	-	-	-	-
		BT	88613	100	-	-	-	-
		BC	680515	100	-	-	-	-
	6"	SW	89694	-	-	275	500	-
		S	682365	-	100	-	-	-
		BC	682364	-	100	-	-	-
	8"	SW	89696	-	-	275	500	-
		S	88699	-	100	-	-	-
		BC	680517	-	100	-	-	-
H-17257	3"	SW	89698	-	-	275	500	-
		S	88610	100	-	-	-	-
	4" or 4" x 3"	BC	680514	100	-	-	-	-
		S	88614	100	-	-	-	-
		BC	680515	100	-	-	-	-
	6"	SW	89694	-	-	275	500	-
S		682365	-	100	-	-	-	
BC		682364	-	100	-	-	-	
8"	SW	89696	-	-	275	500	-	
	S	88699	-	100	-	-	-	
	BC	680517	-	100	-	-	-	
10", 12"	SW	89704	-	-	-	-	500*	
H-17258	4" or 4" x 3"	SW	89694	-	-	275	500	-
		S	88614	100	-	-	-	-
		BC	680515	100	-	-	-	-
	6"	SW	89696	-	-	275	500	-
		S	682365	-	100	-	-	-
		BC	682364	-	100	-	-	-
	8"	SW	89698	-	-	275	500	-
		S	88699	-	100	-	-	-
		BC	680517	-	100	-	-	-

\*With 83318 gate valve

S=Solid rubber Stopper. BT=Solid rubber Bypass through top. BC= Solid rubber Bypass through top or bottom.

SW=Steel Wedge Stopper with polyurethane cover Bypass through top or bottom. All operating pressure are for current style stoppers.

**MUELLER® NO-BLO® 3"-12" LINE STOPPER  
FITTINGS - MAXIMUM STOPPING PRESSURES**



**11.3**

Shaded area indicates change Rev. 12-06

Fitting	Size	Stopper Selection		Maximum Pressure (at 100F/38C) based on the lowest operating pressure rating of either the Stopper or stop-off machine used				
		Stopper Type	Stopper Cat. No.	Unit No. 2	Unit No. 3	No. 3SW	No. 3SW-500	No. 4SW
H-17260	3"	S	88610	100	-	-	-	-
		BB	80064	100	-	-	-	-
		BS	681990	100	-	-	-	-
		BC	680514	100	-	-	-	-
	4"	S	88614	100	-	-	-	-
		BB	81496	100	-	-	-	-
		BC	680515	100	-	-	-	-
		BS	681991	100	-	-	-	-
		BS	681992	-	-	275	275	-
		SW	89694	-	-	275	275	-
	6"	S	682365	-	100	-	-	-
		BC	682364	-	100	-	-	-
		BS	681993	-	100	-	-	-
		BS	681994	-	-	275	275	-
		SW	89696	-	-	275	275	-
	8"	S	88699	-	100	-	-	-
		BC	680517	-	100	-	-	-
		BS	681995	-	100	-	-	-
		BS	681996	-	-	-	275	-
	10", 12"	SW	89698	-	-	275	275	-
BS		681997	-	-	-	-	275†	
		SW	89704	-	-	-	275	
H-17261	3"	S	88610	100	-	-	-	-
		BB	80064	100	-	-	-	-
		BS	681990	100	-	-	-	-
		BC	680514	100	-	-	-	-
	4"	S	88614	100	-	-	-	-
		BB	81496	100	-	-	-	-
		BC	680515	100	-	-	-	-
		BS	681991	100	-	-	-	-
		BS	681992	-	-	275	275**	-
		SW	89694	-	-	275	500	-
	6"	S	682365	-	100	-	-	-
		BC	682364	-	100	-	-	-
		BS	681993	-	100	-	-	-
		BS	681994	-	-	275	275**	-
		SW	89696	-	-	275	500	-
	8"	S	88699	-	100	-	-	-
		BC	680517	-	100	-	-	-
		BS	681995	-	100	-	-	-
		BS	681996	-	-	275	275**	-
		SW	89698	-	-	275	500	-

†Can only be used with a enhanced line Stopper fitting manufactured after 1997.  
 \*\*500 psi if used with an enhanced line Stopper fitting manufactured after 1997.  
 S=Solid rubber Stopper. BB=Solid Rubber Bypass through bottom. BC=Solid rubber Bypass through top or bottom. BS=Bottom Stopper. SW=Steel Wedge Stopper with polyurethane cover Bypass through top or bottom. All operating pressure are for current style stoppers.

Rev. 12-06 Shaded area indicates changes

Fitting	Size	Stopper Selection		Maximum Pressure (at 100F/38C) based on the lowest operating pressure rating of either the Stopper or stop-off machine used				
		Stopper Type	Stopper Cat. No.	Unit No. 2	Unit No. 3	No. 3SW	No. 3SW-500	No. 4SW
H-17264	3"	S	88610	100	-	-	-	-
		BB	80064	100	-	-	-	-
		BS	681990	100	-	-	-	-
		BC	680514	100	-	-	-	-
		S	88614	100	-	-	-	-
	4"	BB	81496	100	-	-	-	-
		BC	680515	100	-	-	-	-
		BS	681991	100	-	-	-	-
		BS	681992	-	-	275	275**	-
	6"	SW	89694	-	-	275	500	-
		S	682365	-	100	-	-	-
		BC	682364	-	100	-	-	-
		BS	681993	-	100	-	-	-
		BS	681994	-	-	275	275**	-
		SW	89696	-	-	275	275	-
		10", 12"	BS	681997	-	-	-	-
SW	89704		-	-	-	-	500*	
H-17265	3"	S	88610	100	-	-	-	-
		BT	88609	100	-	-	-	-
		BC	680514	100	-	-	-	-
	4"	S	88614	100	-	-	-	-
		BT	88613	100	-	-	-	-
		BC	680515	100	-	-	-	-
		SW	89694	-	-	175	175	-
	6"	S	682365	-	100	-	-	-
		BC	682364	-	100	-	-	-
		SW	89696	-	-	175	175	-
	8"	S	88699	-	100	-	-	-
		BC	680517	-	100	-	-	-
		SW	89698	-	-	175	175	-
12"	SW	89704	-	-	-	-	175	

†Can only be used with a enhanced line Stopper fitting manufactured after 1997.

\*With 83318 gate valve. \*\*500 psi if used with an enhanced line Stopper fitting manufactured after 1997.

S=Solid rubber Stopper. BB=Solid Rubber Bypass through bottom. BC=Solid rubber Bypass through top or bottom. BS=Bottom Stopper.

SW=Steel Wedge Stopper with polyurethane cover Bypass through top or bottom. All operating pressure are for current style stoppers.

**MUELLER® NO-BLO® 3"-12" LINE STOPPER  
FITTINGS - MAXIMUM STOPPING PRESSURES**



**11.5**

Shaded area indicates change Rev. 12-06

Fitting	Size	Stopper Selection		Maximum Pressure (at 100F/38C) based on the lowest operating pressure rating of either the Stopper or stop-off machine used				
		Stopper Type	Stopper Cat. No.	Unit No. 2	Unit No. 3	No. 3SW	No. 3SW-500	No. 4SW
H-17266	3"	S	88610	100	-	-	-	-
		BC	680514	100	-	-	-	-
	4"	S	88614	100	-	-	-	-
		BC	680515	100	-	-	-	-
		SW	89694	-	-	175	175	-
	6"	S	682365	-	100	-	-	-
		BC	682364	-	100	-	-	-
		SW	89696	-	-	175	175	-
	8"	S	88699	-	100	-	-	-
		BC	680517	-	100	-	-	-
SW		89698	-	-	175	175	-	
10", 12"	SW	89704	-	-	-	-	175	
H-17268	3"	S	88614	100	-	-	-	-
		BC	680515	100	-	-	-	-
		SW	89694	-	-	125	-	-
	4"	S	682365	-	100	-	-	-
		BC	682364	-	100	-	-	-
		SW	89696	-	-	125	-	-
	6"	S	88699	-	100	-	-	-
		BC	680517	-	100	-	-	-
		SW	89696	-	-	125	-	-
H-17269	4"	S	88614	100	-	-	-	-
		BC	680515	100	-	-	-	-
		BS	681991	100	-	-	-	-
		BS	681992	-	-	275	275*	-
	8"	SW	89694	-	-	275	500	-
		S	88699	-	100	-	-	-
		BC	680517	-	100	-	-	-
		BS	681995	-	100	-	-	-
8"	BS	681996	-	-	275	275*	-	
	SW	89698	-	-	275	500	-	

\*500 psi if used with an enhanced line Stopper fitting manufactured after 1997.

S=Solid rubber Stopper. BT=Solid rubber Bypass through top. BB=Solid Rubber Bypass through bottom. BC=Solid rubber Bypass through top or bottom. BS=Bottom Stopper. SW=Steel Wedge Stopper with polyurethane cover Bypass through top or bottom. All operating pressure are for current style stoppers.

Rev. 12-06 Shaded area indicates changes

Fitting	Size	Stopper Selection		Maximum Pressure (at 100F/38C) Based on the lowest operating pressure rating of either the Stopper or stop-off machine used				
		Stopper Type	Stopper Cat. No.	Unit No. 2	Unit No. 3	No. 3SW	No. 3SW-500	No. 4SW
H-17270	3"	S	88610	100	-	-	-	-
		BS	681990	100	-	-	-	-
		BC	680514	100	-	-	-	-
	4"	S	88614	100	-	-	-	-
		BC	680515	100	-	-	-	-
		BS	681991	100	-	-	-	-
		BS	681992	-	-	275	275	-
		SW	89694	-	-	275	275	-
	6"	S	682365	-	100	-	-	-
		BC	682364	-	100	-	-	-
		BS	681993	-	-	275	275	-
		SW	89696	-	-	275	275	-
		S	88699	-	100	-	-	-
		BC	680517	-	100	-	-	-
		BS	681995	-	100	-	-	-
	8"	BS	681996	-	-	275	275	-
SW		89698	-	-	275	275	-	
10", 12"		SW	89704	-	-	-	-	275
H-17271	4"	S	682365	100	-	-	-	-
		BC	680515	100	-	-	-	-
		BS	681991	100	-	-	-	-
		BS	681992	-	-	275	275*	-
		SW	89694	-	-	275	500	-
	6"	S	682365	-	100	-	-	-
		BC	682364	-	100	-	-	-
		BS	681993	-	100	-	-	-
		BS	681994	-	-	275	275*	-
		SW	89696	-	-	275	275	-
	8"	S	88699	-	100	-	-	-
		BC	680517	-	100	-	-	-
		BS	681995	-	100	-	-	-
		BS	681996	-	-	275	275*	-
		SW	89698	-	-	275	500	-

\*500 psi if used with an enhanced line Stopper fitting manufactured after 1997.

S=Solid rubber Stopper. BC=Solid rubber Bypass through top or bottom. D=Deferred completion Stopper. BS=Bottom Stopper.

SW=Steel Wedge Stopper with polyurethane cover Bypass through top or bottom. All operating pressure are for current style stoppers.

**MUELLER® NO-BLO® 3"-12" LINE STOPPER  
FITTINGS - MAXIMUM STOPPING PRESSURES**



**11.7**

Shaded area indicates change Rev. 12-06

Fitting	Size	Stopper Selection		Maximum Pressure (at 100F/38C) based on the lowest operating pressure rating of either the Stopper or stop-off machine used				
		Stopper Type	Stopper Cat. No.	Unit No. 2	Unit No. 3	No. 3SW	No. 3SW-500	No. 4SW
H-17272	4"	S	88614	100	-	-	-	-
		BC	680515	100	-	-	-	-
		BS	681991	100	-	-	-	-
		BS	681992	-	-	275	275*	-
		SW	89694	-	-	275	500	-
	6"	S	682365	-	100	-	-	-
		BC	682364	-	100	-	-	-
		BS	681993	-	100	-	-	-
		BS	681994	-	-	275	275*	-
		SW	89696	-	-	275	500	-
H-17275	6"	SW	89700	-	-	275	275	-
	8"	SW	89702	-	-	275	275	-
H-17276 or H-17277 or H-17278	6"	SW	89700	-	-	275	500	-
	8"	SW	89702	-	-	275	500	-
H-17280	6"	BS	681994	-	-	275	275	-
		SW	89700	-	-	275	275	-
	8"	BS	681996	-	-	275	275	-
		SW	89702	-	-	275	275	-
H-17281 or H-17282 or H-17283	6"	BS	681994	-	-	275	275*	-
		SW	89700	-	-	275	500	-
	8"	BS	681996	-	-	275	275*	-
		SW	89702	-	-	275	500	-
H-17285	6"	SW	89700	-	-	175	175	-
	8"	SW	89702	-	-	175	175	-
H-17286	6"	BS	681994	-	-	275	275	-
		SW	89700	-	-	275	275	-
	8"	BS	681996	-	-	275	275	-
		SW	89702	-	-	275	275	-
H-17287	6"	BS	681994	-	-	2785	275*	-
		SW	89700	-	-	275	500	-
	8"	BS	681996	-	-	275	275*	-
		SW	89702	-	-	275	500	-
H-17355	3"	S	88610	100	-	-	-	-
		BC	680514	100	-	-	-	-
	4"	S	88614	100	-	-	-	-
		BC	680515	100	-	-	-	-
		SW	89694	-	-	275	275	-
	6"	S	682365	-	100	-	-	-
		BC	682364	-	100	-	-	-
		SW	89696	-	-	275	275	-
	8"	S	88699	-	100	-	-	-
		BC	680517	-	100	-	-	-
SW		89698	-	-	275	275	-	
10", 12"	SW	89704	-	-	-	-	275	

\*500 psi if used with an enhanced line Stopper fitting manufactured after 1997.

S=Solid rubber Stopper. BC=Solid rubber Bypass through top or bottom. BS=Bottom Stopper.

SW=Steel Wedge Stopper with polyurethane cover Bypass through top or bottom. All operating pressure are for current style stoppers.

Rev. 6-10 Shaded area indicates changes

Fitting	Size	Stopper Selection		Maximum Pressure (at 100F/38C) based on the lowest operating pressure rating of either the Stopper or stop-off machine used				
		Stopper Type	Stopper Cat. No.	Unit No. 2	Unit No. 3	No. 3SW	No. 3SW-500	No. 4SW
H-17356	4"	S	88614	100	-	-	-	-
		BC	680515	100	-	-	-	-
		SW	89694	-	-	275	500	-
	6"	S	682365	-	100	-	-	-
		BC	682364	-	100	-	-	-
		SW	89696	-	-	275	500	-
	8"	S	88699	-	100	-	-	-
		BC	680517	-	100	-	-	-
		SW	89698	-	-	275	500	-
	10", 12"	SW	89704	-	-	-	-	500**
H-17357	10", 12"	BS	681997	-	-	-	-	500
		SW	89704	-	-	-	-	500
H-17360	6"	S	682365	-	100	-	-	-
		BC	682364	-	100	-	-	-
		BS	681993	-	100	-	-	-
		BS	681994	-	-	275	275	-
		SW	89696	-	-	275	275	-
	8"	S	88699	-	100	-	-	-
		BC	680517	-	100	-	-	-
		BS	681995	-	100	-	-	-
		BS	681996	-	-	275	275	-
		SW	89698	-	-	275	275	-
	10"	BS	681997	-	-	-	-	275
		SW	89704	-	-	-	-	275

\*\*With 83318 gate valve

S=Solid rubber Stopper. BC=Solid rubber Bypass through top or bottom. BS=Bottom Stopper. SW=Steel Wedge Stopper with polyurethane cover Bypass through top or bottom. All operating pressures are for current style stoppers.



**MUELLER® NO-BLO® 3"-12" LINE STOPPER  
FITTINGS - MAXIMUM STOPPING PRESSURES**



**11.9**

Shaded area indicates change Rev. 12-06

Fitting	Size	Stopper Selection		Maximum Pressure (at 100F/38C) based on the lowest operating pressure rating of either the Stopper or stop-off machine used				
		Stopper Type	Stopper Cat. No.	Unit No. 2	Unit No. 3	No. 3SW	No. 3SW-500	No. 4SW
H-17361	4"	S	88614	100	-	-	-	-
		BC	680515	100	-	-	-	-
		BS	681991	100	-	-	-	-
		BS	681992	-	-	275	500	-
		SW	89694	-	-	275	500	-
	6"	S	682365	-	100	-	-	-
		BC	682364	-	100	-	-	-
		BS	681993	-	100	-	-	-
		BS	681994	-	-	275	500	-
		SW	89696	-	-	275	500	-
	8"	S	88699	-	100	-	-	-
		BC	680517	-	100	-	-	-
		BS	681995	-	100	-	-	-
		BS	681996	-	-	275	500	-
		SW	89698	-	-	275	500	-
H-17364	10", 12"	BS	681997	-	-	-	-	500
		SW	89704	-	-	-	-	500**
H-17375	6"	SW	89700	-	-	275	275	-
	8"	SW	89702	-	-	275	275	-
H-17376	6"	SW	89700	-	-	275	500	-
	8"	SW	89702	-	-	275	500	-
H-17380	6"	BS	681994	-	-	275	275	-
		SW	89700	-	-	275	275	-
	8"	BS	681996	-	-	275	275	-
		SW	89184	-	-	275	275	-
H-17381	6"	BS	681994	-	-	275	275	-
		SW	89700	-	-	275	500	-
	8"	BS	681996	-	-	275	275	-
		SW	89702	-	-	275	500	-
H-17505	3"	ER	83504	100	-	250	250	-
	4"	ER	83506	100	-	250	250	-
	6"	ER	682337	-	100	250	250	-
	8"	ER	682339	-	100	200	200	-
H-17506	3"	ER	83504	100	-	250	250	-
	4"	ER	83506	100	-	250	250	-
	6"	ER	682337	-	100	250	250	-
	8"	ER	682339	-	100	200	200	-
H-17507	4	ER	83506	100	-	250	250	-
H-17508	4"	ER	83506	100	-	250	250	-
	6"	ER	68237	-	100	250	250	-

\*\*With 83318 gate valve

S=Solid rubber Stopper. BC=Solid rubber Bypass through top or bottom. BS=Bottom Stopper. SW=Steel Wedge Stopper with polyurethane cover Bypass through top or bottom. ER=Expanding rubber Stopper for flanged tees. All operating pressure are for current style stoppers.

Rev. 3-08 Shaded area indicates changes

Mueller line stopping equipment, fittings and methods for for stopping off 3" to 12" gas mains have been used by the gas industry since 1955 to make fast, safe and reliable stop-offs. Mueller Co. offers a number of different styles of line stopping fittings and equipment in sizes and pressure ratings to meet almost any requirement you may have on standard wall and thin wall steel pipe.

### Mueller 3" - 12" NO-BLO Line Stopper Fittings



**Standard Line Stopper Fitting**



**Bottom-out Line Stopper Fitting**



**Side-out Line Stopper Fitting  
(Combination Side and Bottom-out also Available)**



**Mechanical Joint Line Stopper Fitting**



**Extension Stopper Fitting**



**Spherical Line Stopper Fitting**



**Dead-end Extension Stopper Fitting**



**Insulated Mechanical Joint Line Stopper Fitting**



**Flanged Tee**



**Mueller Save-A-Valve®  
Drilling Nipple**

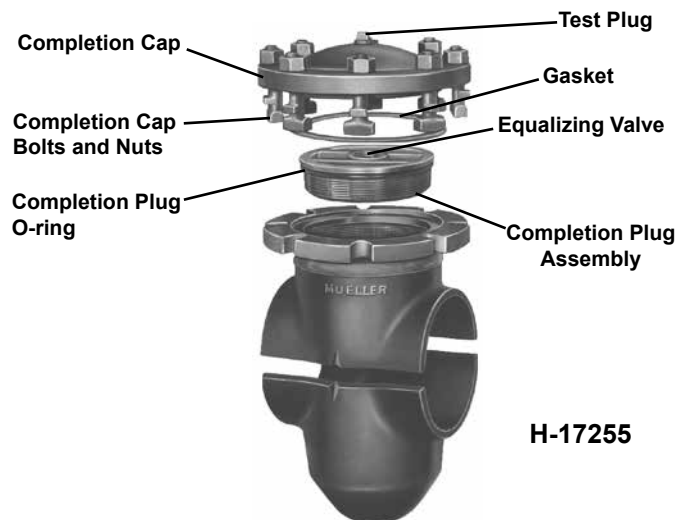
# MUELLER® LINE STOPPER FITTING WELDING TYPE - 275 PSIG



# 11.11

Shaded area indicates change Rev. 12-06

- Catalog number – H-17255
- Sizes – 3", 4" x 3"\*\*\*, 4", 6", 8", 10", 12"
- For use on steel pipe only
- O-ring sealed cast iron (ASTM A126 CLB) Completion Plug with equalizing valve
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Completion Cap cast iron (ASTM A126 CLB)
- Class 150 flange complies with dimensional requirements of ANSI B16.5
- 275 psig\*\*\* (1896 kPa) maximum working pressure at 100F (38C)



**H-17255**

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
3"	3-1/4"	3.500"	No limit	.188"	3.124"
4" x 3"***	4-1/4"	3.500"	No limit	No limit	No limit
4"	4-1/4"	4.500"	No limit	.188"	4.124"
6"	6-1/4"	6.625"	.432" (sch. 80)	.250"	6.125"
8"	8-1/4"	8.625"	.406" (sch. 60)	.250"	8.125"
10"	12-1/2"	10.750"	No limit	No limit	No limit
12"	12-1/2"	12.750"	.375"	.188"	12.374"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17255 Fittings

Drilling Machine	Line Stopper Units				
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500	Unit No. 4SW
	H-17255				
C1-36	3", 4" x 3" and 4"	6" and 8"	4" x 3" 4", 6", and 8"	4" x 3", 4", 6", and 8"	10" and 12"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
3"	36590	64134	503708 (6)	43959	83484	43922
4"	36592	64134	36731 (8)	36377	83485	43917
4" x 3"***	36592	64134	36731 (8)	36377	83485	43917
6"	36609	64134	36446 (8)	62945	83487	79895
8"	36625	64134	503709 (8)	63094	83493	79020
10"	61867	64134	52056 (12) nut 90230 (12) bolt	46434	83560	46428
12"	61867	64134	52056 (12) nut 90230 (12) bolt	46434	83560	46428

\*Nominal

\*\* The 4" x 3" size fitting is a 4" fitting that has been modified to fit 3" steel pipe. This fitting uses 4" tools and equipment.

\*\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17255 welding Line Stopper Fittings

Tool Name	Qty. Req'd.	Line Stopper Unit No. 2			Line Stopper Unit No. 3	
		3" H-17255	4" x 3" H-17255	4" H-17255	6" H-17255	8" H-17255
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17235	H-17235	H-17235	H-17335	H-17335
Gate Valve	2	88611	88611	88611	83953	83953
Valve Adapter	2	36461	-	-	501223	-
Drilling Machine Adapter	1	36343	36343	36343	36545	36545
Cutter Arbor	1	88101	-	-	-	-
Cutter Hub	1	-	54526	54526	54501	54653
Shell Cutter	1	36463	36472	36472	36548	36521
Pilot Drill	1	36464	580585	580585	580585	580586
Solid Rubber Stopper	2	88610	88614	88614	682365	88699
Top Bypass Rubber Stopper	2	88609	88613	88613	-	-
Full Bypass Rubber Stopper	2	680514	680515	680515	682364	680517
Completion Machine	1	H-17246	H-17246	H-17246	H-17345	H-17345
Plug Alignment Tool	1	83522	83522	83522	83519	83519
Plug Inserting Tool	1	83520	83520	83520	83517	83517
Plug Extracting Tool	1	83521	83521	83521	83518	83518
Completion Plug Wrench	1	36404	36404	36404	36424	36424
Inserting Bar Ext. Spacer	2	505554	-	-	-	-
Inserting Bar Ext. Sleeve	2	505555	-	-	-	-
Tool Adapter	2	-	-	-	37197	37197
Retaining Screw Wrench	1	-	-	-	88475	88475
Thread Cleaning Tool	1	89316	89317	89317	89318	89318
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619

Tool Name	Qty. Req'd.	Line Stopper Unit 3SW				Line Stopper Unit 3SW-500				Line Stopper Unit 4SW
		4" x 3" H-17255	4" H-17255	6" H-17255	8" H-17255	4" x 3" H-17255	4" H-17255	6" H-17255	8" H-17255	10" & 12" H-17255
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	H-17340	H-17342	H-17342	H-17342	H-17342	H-17440
Gate Valve	2	83953	83953	83953	83953	83721	83721	83721	83721	83565/ 83318†
Valve Adapter	2	83513	83513	501223	-	501361	501361	63205	63193	681528***
Drilling Machine Adapter	1	36545	36545	36545	36545	83730	83730	83730	83730	83323
Cutter Hub	1	54526	54526	54501	54653	54526	54526	54501	54653	682782††
Shell Cutter	1	36472	36472	36548	36521	36472	36472	36548	36521	682780
Pilot Drill	1	580585	580585	580585	580586	580585	580585	580585	580586	682781
Steel Wedge Stopper*	2	89694	89694	89696	89698	89694	89694	89696	89698	89704
Completion Machine	1	H-17346	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347	H-17347	H-17445
Plug Alignment Tool	1	83774	83774	83250	83250	83774	83774	83250	83250	83250
Plug Inserting Tool	1	83772	83772	83237	83237	83772	83772	83237	83237	83237
Plug Extracting Tool	1	83773	83773	83238	83238	83773	83773	83238	83238	83238
Completion Plug Wrench	1	36404	36404	36424	36424	36404	36404	36424	36424	36424
Thread Cleaning Tool	1	680360	680360	89319	89319	680360	680360	89319	89319	89321
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with urethane cover suitable for use with gas and petroleum.

\*\*\* Used with Gate Valve 83318.

† The 83565 Gate Valve has a maximum working pressure of 275 psig and the 83318 Gate Valve has a maximum working pressure of 500 psig.

†† Thick Wall 12" Shell Cutter option available.

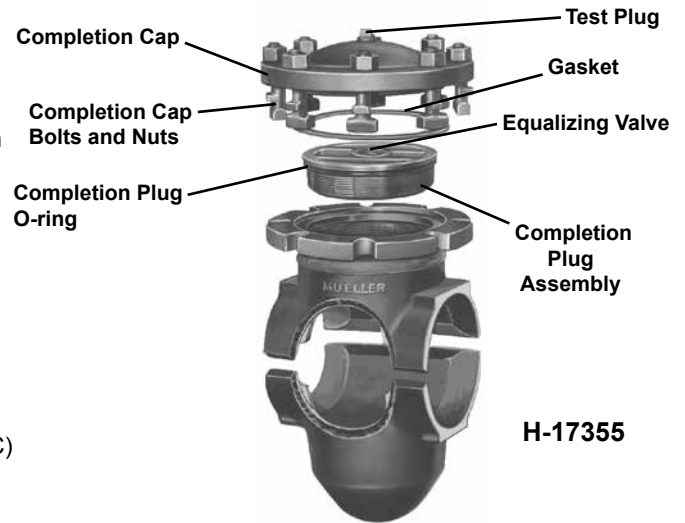
# MUELLER® SIDE-OUT STOPPER FITTING WELDING TYPE - 275 PSIG



# 11.13

Shaded area indicates change Rev. 12-06

- Catalog number – **H-17355**
- Sizes – 3", 4", 6", 8", 10", 12"
- For use on steel pipe only
- O-ring sealed cast iron (ASTM A126 CLB) Completion Plug with equalizing valve
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Completion Cap cast iron (ASTM A126 CLB)
- Pipe pup included for alternative welding options.
- Class 150 flange complies with dimensional requirements of ANSI B16.5
- 275 psig\*\* (1896 kPa) maximum working pressure at 100F (38C)



## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
3"	3-1/4"	3.500"	No limit	.188"	3.124"
4"	4-1/4"	4.500"	No limit	.188"	4.124"
6"	6-1/4"	6.625"	.432" (sch. 80)	.250"	6.125"
8"	8-1/4"	8.625"	.406" (sch. 60)	.250"	8.125"
10"	12-1/2"	10.750"	No limit	No limit	No limit
12"	12-1/2"	12.750"	.375"	.188"	12.374"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17355 Fittings

Drilling Machine	Line Stopper Units				
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500	Unit No. 4SW
	H-17355				
C1-36	3" and 4"	6" and 8"	4", 6", and 8"	4", 6", and 8"	10" and 12"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal	Pipe Pup
3"	36590	64134	503708 (6)	43959	83484	43922	-
4"	36592	64134	36731 (8)	36377	83485	43917	528748
6"	36609	64134	36446 (8)	62945	83487	79895	528742
8"	36625	64134	503709 (8)	63094	83493	79020	528756
10"	61867	64134	52056 (12) nut 90230 (12) bolt	46434	83560	46428	528760
12"	61867	64134	52056 (12) nut 90230 (12) bolt	46434	83560	46428	528764

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17355 welding Line Stopper Fittings

Tool Name	Quantity Required	Line Stopper Unit No. 2		Line Stopper Unit No. 3	
		3" H-17355	4" H-17355	6" H-17355	8" H-17355
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17235	H-17235	H-17335	H-17335
Gate Valve	2	88611	88611	83953	83953
Valve Adapter	2	36461	-	501233	-
Drilling Machine Adapter	1	36343	36343	36545	36545
Cutter Arbor	1	88101	-	-	-
Cutter Hub	1	-	54526	54501	54653
Shell Cutter	1	36463	36472	36548	36521
Pilot Drill	1	36464	580585	580585	580586
Solid Rubber Stopper	2	88610	88614	682365	88699
Top Bypass Rubber Stopper	2	88609	88613	-	-
Full Bypass Rubber Stopper	2	680514	680515	682364	680517
Completion Machine	1	H-17246	H-17246	H-17345	H-17345
Plug Alignment Tool	1	83522	83522	83519	83519
Plug Inserting Tool	1	83520	83520	83517	83517
Plug Extracting Tool	1	83521	83521	83518	83518
Completion Plug Wrench	1	36404	36404	36424	36424
Inserting Bar Ext. Spacer	2	505554	-	-	-
Inserting Bar Ext. Sleeve	2	505555	-	-	-
Tool Adapter	2	-	-	37197	37197
Retaining Screw Wrench	1	-	-	88475	88475
Thread Cleaning Tool	1	89316	89317	89318	89318
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

Tool Name	Qty. Req'd.	Line Stopper Unit 3SW			Line Stopper Unit 3SW-500			Line Stopper Unit 4SW
		4" H-17355	6" H-17355	8" H-17355	4" H-17355	6" H-17355	8" H-17355	10" & 12" H-17355
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	H-17342	H-17342	H-17342	H-17440
Gate Valve	2	83953	83953	83953	83721	83721	83721	83565/83318†
Valve Adapter	2	83513	501223	-	501361	63205	63193	681528***
Drilling Machine Adapter	1	36545	36545	36545	83730	83730	83730	83323
Cutter Hub	1	54526	54501	54653	54526	54501	54653	682782††
Shell Cutter	1	36472	36548	36521	36472	36548	36521	682780
Pilot Drill	1	580585	580585	580586	580585	580585	580586	682781
Steel Wedge Stopper*	2	89694	89696	89698	89694	89696	89698	89704
Completion Machine	1	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347	H-17445
Plug Alignment Tool	1	83774	83250	83250	83774	83250	83250	83250
Plug Inserting Tool	1	83772	83237	83237	83772	83237	83237	83237
Plug Extracting Tool	1	83773	83238	83238	83773	83238	83238	83238
Completion Plug Wrench	1	36404	36424	36424	36404	36424	36424	36424
Thread Cleaning Tool	1	680360	89319	89319	680360	89319	89319	89321
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with urethane cover suitable for use with gas and petroleum.

\*\*\* Used with Gate Valve 83318.

† The 83565 Gate Valve has a maximum working pressure of 275 psig and the 83318 Gate Valve has a maximum working pressure of 500 psig.

†† Thick Wall 12" Shell Cutter option available.

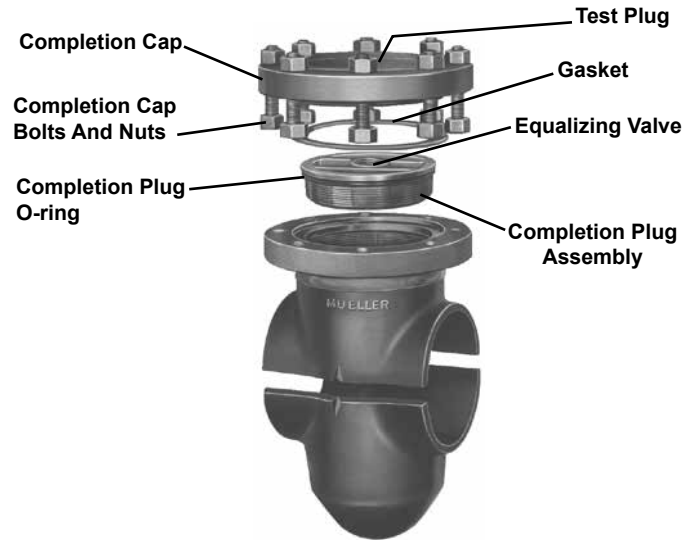
# MUELLER® LINE STOPPER FITTING WELDING TYPE - 720 PSIG



# 11.15

Shaded area indicates change Rev. 7-17

- Catalog number – H-17256
- Sizes – 3", 4" x 2", 4" x 3"\*\*, 4", 6", 8"
- For use on steel pipe only
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Class 300 flange complies with dimensional requirements of ANSI B16.5
- 720 psig\*\*\* (4964 kPa) maximum working pressure at 100F (38C)



**H-17256**

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum In-side Diameter
3"	3-1/4"	3.500"	No limit	.188"	3.124"
4" x 2" **	4-1/4"	2.38"	No limit	No limit	No limit
4" x 3" **	4-1/4"	3.500"	No limit	No limit	No limit
4"	4-1/4"	4.500"	No limit	.188"	4.124"
6"	6-1/4"	6.625"	.432" (sch. 80)	.250"	6.125"
8"	8-1/4"	8.625"	.406" (sch. 60)	.250"	8.125"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17256 Fittings

Drilling Machine	Line Stopper Units			
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500
	H-17256			
C1-36	3", 4" x 2", 4" x 3", & 4"	6" and 8"	3", 4" x 2", 4" x 3", 4", 6" & 8"	3", 4" x 2", 4" x 3", 4", 6" & 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
3"	64203	64134	43912 (8)	43959	83489	43922
4" x 2" **	64204	64134	43911 (8)	36377	83490	43917
4" x 3" **	64204	64134	43911 (8)	36377	83490	43917
4"	64204	64134	43911 (8)	36377	83490	43917
6"	64205	64134	500894 (12)	62945	83491	79895
8"	64206	64134	43908 (12)	63057	83492	79020

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

\*\*\* The 4" x 2" and 4" x 3" size fitting is a 4" fitting that has been modified to fit 3" steel pipe. This fitting uses 4" tools and equipment.

Rev. 2-16 Shaded area indicates changes

## Equipment required to install and stop-off H-17256 welding Line Stopper Fittings

Tool Name	Quantity Required	Line Stopper Unit No. 2			Line Stopper Unit No. 3	
		3" H-17256	4" x 2" & 4" x 3" H-17256	4" H-17256	6" H-17256	8" H-17256
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17235	H-17235	H-17235	H-17335	H-17335
Gate Valve	2	88611	88611	88611	83953	83953
Valve Adapter	2	37149	37153	37153	501224	502289
Drilling Machine Adapter	1	36343	36343	36343	36545	36545
Cutter Arbor	1	88101	-	-	-	-
Cutter Hub	1	-	54526	54526	54501	54653
Shell Cutter	1	36463	36472	36472	36548	36521
Pilot Drill	1	36464	580585	580585	580585	580586
Solid Rubber Stopper	2	88610	88614	88614	682365	88699
Top Bypass Rubber Stopper	2	88609	88613	88613	-	-
Full Bypass Rubber Stopper	-	680514	680515	680515	682364	680517
Completion Machine	1	H-17246	H-17246	H-17246	H-17345	H-17345
Plug Alignment Tool	1	83522	83522	83522	83519	83519
Plug Inserting Tool	1	83520	83520	83520	83517	83517
Plug Extracting Tool	1	83521	83521	83521	83518	83518
Completion Plug Wrench	1	36404	36404	36404	36424	36424
Inserting Bar Ext. Spacer	2	505554	79403	79403	36991	36991
Inserting Bar Ext. Sleeve	2	505555	79402	79402	36992	36992
Tool Adapter	2	-	-	-	37197	37197
Retaining Screw Wrench	1	-	-	-	88475	88475
Thread Cleaning Tool	1	89316	89317	89317	89318	89318
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW				Line Stopper Unit No. 3SW-500			
		4" x 2" & 4" x 3" H-17256	4" H-17256	6" H-17256	8" H-17256	4" x 2" & 4" x 3" H-17256	4" H-17256	6" H-17256	8" H-17256
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	H-17340	H-17342	H-17342	H-17342	H-17342
Gate Valve	2	83953	83953	83953	83953	83721	83721	83721	83721
Valve Adapter	2	83697	83697	501224	502289	500021	500021	63261	-
Drilling Machine Adapter	1	36545	36545	36545	36545	83730	83730	83730	83730
Cutter Hub	1	54526	54526	54501	54653	54526	54526	54501	54653
Shell Cutter	1	36472	36472	36548	36521	36472	36472	36548	36521
Pilot Drill	1	580585	580585	580585	580586	580585	580585	580585	580586
Steel Wedge Stopper*	2	89694	89694	89696	89698	89694	89694	89696	89698
Completion Machine	1	H-17346	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347	H-17347
Plug Alignment Tool	1	83774	83774	83250	83250	83774	83774	83250	83250
Plug Inserting Tool	1	83772	83772	83237	83237	83772	83772	83237	83237
Plug Extracting Tool	1	83773	83773	83238	83238	83773	83773	83238	83238
Completion Plug Wrench	1	36404	36404	36424	36424	36404	36404	36424	36424
Thread Cleaning Tool	1	680360	680360	89319	89319	680360	680360	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with urethane cover suitable for use with gas and petroleum.



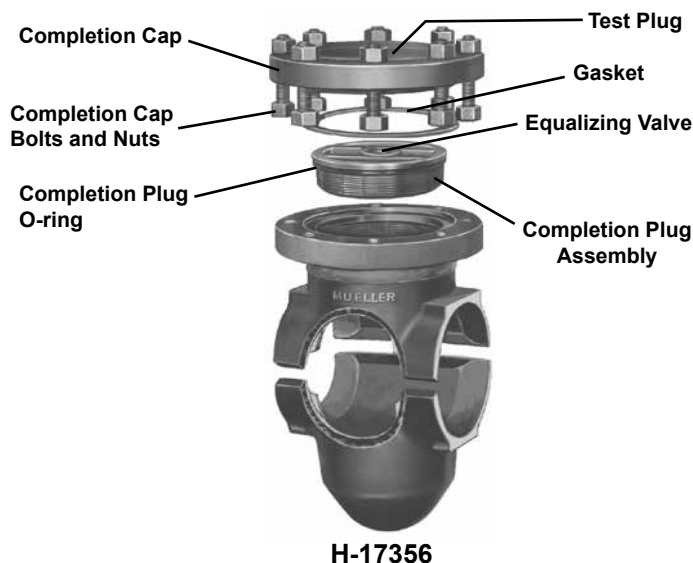
# MUELLER® SIDE-OUT LINE STOPPER FITTING WELDING TYPE - 720 PSIG



# 11.17

Shaded area indicates change Rev. 12-06

- Catalog number – H-17356
- Sizes – 4", 6", 8"
- For use on steel pipe only
- O-ring sealed steel (ASTM A216 GR. WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Pipe pup included for alternative welding options.
- Class 300 flange complies with dimensional requirements of ANSI B16.5
- 720 psig\*\* (4964 kPa) maximum working pressure at 100F (38C)



## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
			Maximum Wall Thickness	Minimum Wall Thickness	Max Inside Diameter
4"	4-1/4"	4.500"	No limit	.188"	4.124"
6"	6-1/4"	6.625"	.432" (sch. 80)	.250"	6.125"
8"	8-1/4"	8.625"	.406" (sch. 60)	.250"	8.125"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17356 Fittings

Drilling Machine	Line Stopper Units			
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500
	H-17356			
C1-36	4"	6" and 8"	4", 6", and 8"	4", 6", and 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal	Pipe Pup
4"	64204	64134	43911 (8)	36377	83490	43917	528748
6"	64205	64134	500894 (12)	62945	83491	79895	528752
8"	64206	64134	43908 (12)	63057	83492	79020	528756

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17356 welding Line Stopper Fittings

Tool Name	Quantity Required	Line Stopper Unit No. 2		Line Stopper Unit No. 3	
		4" H-17356	6" H-17356	8" H-17356	
Drilling Machine	1	C1-36	C1-36	C1-36	
Stopping Machine	2	H-17235	H-17335	H-17335	
Gate Valve	2	88611	83953	83953	
Valve Adapter	2	37153	501224	502289	
Drilling Machine Adapter	1	36343	36545	36545	
Cutter Hub	1	54526	54501	54653	
Shell Cutter	1	36472	36548	36521	
Pilot Drill	1	580585	580585	580586	
Solid Rubber Stopper	2	88614	682365	88699	
Top Bypass Rubber Stopper	2	88613	-	-	
Full Bypass Rubber Stopper	2	680515	682364	680517	
Completion Machine	1	H-17246	H-17345	H-17345	
Plug Alignment Tool	1	83522	83519	83519	
Plug Inserting Tool	1	83520	83517	83517	
Plug Extracting Tool	1	83521	83518	83518	
Completion Plug Wrench	1	36404	36424	36424	
Inserting Bar Ext. Spacer	2	79403	36991	36991	
Inserting Bar Ext. Sleeve	2	79402	36992	36992	
Tool Adapter	2	-	37197	37197	
Retaining Screw Wrench	1	-	88475	88475	
Thread Cleaning Tool	1	89317	89318	89318	
Inspection Flange	1	H-17619	H-17619	H-17619	

Tool Name	Quantity Required	Line Stopper Unit No. 3SW			Line Stopper Unit No. 3SW-500		
		4" H-17356	6" H-17356	8" H-17356	4" H-17356	6" H-17356	8" H-17356
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	H-17342	H-17342	H-17342
Gate Valve	2	83953	83953	83953	83721	83721	83721
Valve Adapter	2	83697	501224	502289	500021	63261	-
Drilling Machine Adapter	1	36545	36545	36545	83730	83730	83730
Cutter Hub	1	54526	54501	54653	54526	54501	54653
Shell Cutter	1	36472	36548	36521	36472	36548	36521
Pilot Drill	1	580585	580585	580586	580585	580585	580586
Steel Wedge Stopper*	2	89694	89696	89698	89694	89696	89698
Completion Machine	1	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347
Plug Alignment Tool	1	83774	83250	83250	83774	83250	83250
Plug Inserting Tool	1	83772	83237	83237	83772	83237	83237
Plug Extracting Tool	1	83773	83238	83238	83773	83238	83238
Completion Plug Wrench	1	36404	36424	36424	36404	36424	36424
Thread Cleaning Tool	1	680360	89319	89319	680360	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with urethane cover suitable for use with **gas and petroleum**.

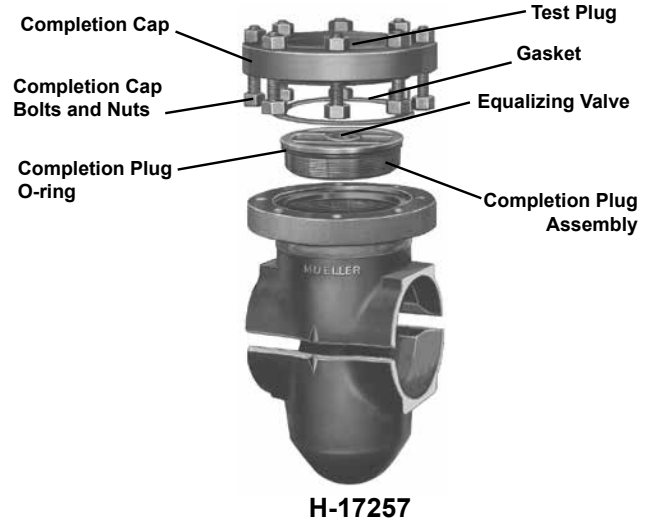
# MUELLER® LINE STOPPER FITTING WELDING TYPE - 960 PSIG



# 11.19

Shaded area indicates change Rev. 6-10

- Catalog number – H-17257
- Sizes – 4" x 3"\*\*\*, 4", 6", 8", 10", 12"
- For use on steel pipe only
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Class 400 flange complies with dimensional requirements of ANSI B16.5
- 960 psig\*\*\*(6618 kPa) maximum working pressure at 100F (38C)



## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
4" x 3"***	4-1/4"	3.500"	No limit	No limit	No limit
4"	4-1/4"	4.500"	No limit	.188"	4.124"
6"	6-1/4"	6.625"	.432" (sch. 80)	.250"	6.125"
8"	8-1/4"	8.625"	.406" (sch. 60)	.250"	8.125"
10"	12-1/2"	10.750"	No limit	No limit	No limit
12"	12-1/2"	12.750"	.375"	.188"	12.374"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17257 Fittings

Drilling Machine	Line Stopper Units				
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500	Unit No. 4SW
	H-17257				
C1-36	4" x 3" and 4"	6" and 8"	4" x 3", 4", 6", and 8"	4" x 3", 4", 6", and 8"	10" and 12"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
4" x 3"***	42039	64134	46710 (8)	36377	83490	43917
4"	42039	64134	46710 (8)	36377	83490	43917
6"	79898	64134	43908 (12)	62945	83491	79895
8"	79016	64134	501192 (12)	63057	83492	79020
10"	47648	64134	501194 (20)	46434	83488	46428
12"	47648	64134	501194 (20)	46434	83488	46428

\*Nominal

\*\* The 4" x 3" size fitting is a 4" fitting that has been modified to fit 3" steel pipe. This fitting uses 4" tools and equipment.

\*\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Rev. 12-12 Shaded area indicates changes

### Equipment required to install and stop-off H-17257 welding Line Stopper Fittings

Tool Name	Quantity Required	Line Stopper Unit No. 2		Line Stopper Unit No. 3	
		4" x 3" H-17257	4" H-17257	6" H-17257	8" H-17257
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17235	H-17235	H-17335	H-17335
Gate Valve	2	88611	88611	83953	83953
Valve Adapter	2	37153	37153	501224	502289
Drilling Machine Adapter	1	36343	36343	36545	36545
Cutter Hub	1	54526	54526	54501	54653
Shell Cutter	1	36472	36472	36548	36521
Pilot Drill	1	580585	580585	580585	580586
Solid Rubber Stopper	2	88614	88614	682365	88699
Bypass Rubber Stopper	2	88613	88613	-	-
Full Bypass Rubber Stopper	2	680515	680515	682364	680517
Completion Machine	1	H-17246	H-17246	H-17345	H-17345
Plug Alignment Tool	1	83522	83522	83519	83519
Plug Inserting Tool	1	83520	83520	83517	83517
Plug Extracting Tool	1	83521	83521	83518	83518
Completion Plug Wrench	1	36404	36404	36424	36424
Inserting Bar Ext. Spacer	2	79403	79403	36991	36991
Inserting Bar Ext. Sleeve	2	79402	79402	36992	36992
Tool Adapter	2	-	-	37197	37197
Retaining Screw Wrench	1	-	-	88475	88475
Thread Cleaning Tool	1	89317	89317	89318	89318
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

Tool Name	Qty. Req'd.	Line Stopper Unit 3SW				Line Stopper Unit 3SW-500				Line Stopper Unit 4SW
		4" x 3" H-17257	4" H-17257	6" H-17257	8" H-17257	4" x 3" H-17257	4" H-17257	6" H-17257	8" H-17257	10" & 12" H-17257
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	17340	H-17342	H-17342	H-17342	H-17342	H-17440
Gate Valve	2	83953	83953	83953	83953	83721	83721	83721	83721	83318
Valve Adapter	2	83697	83697	501224	502289	500021	500021	63261	-	-
Drilling Machine Adapter	1	36545	36545	36545	36545	83730	83730	83730	83730	83323
Cutter Hub	1	54526	54526	54501	54653	54526	54526	54501	54653	682782†
Shell Cutter	1	36472	36472	36548	36521	36472	36472	36548	36521	682780
Pilot Drill	1	580585	580585	580585	580586	580585	580585	580585	580586	682781
Steel Wedge Stopper*	2	89694	89694	89696	89698	89694	89694	89696	89698	89704
Completion Machine	1	H-17346	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347	H-17347	H-17445
Plug Alignment Tool	1	83774	83774	83250	83250	83774	83774	83250	83250	83250
Plug Inserting Tool	1	83772	83772	83237	83237	83772	83772	83237	83237	83237
Plug Extracting Tool	1	83773	83773	83238	83238	83773	83773	83238	83238	83238
Completion Plug Wrench	1	36404	36404	36424	36424	36404	36404	36424	36424	36424
Thread Cleaning Tool	1	680360	680360	89319	89319	680360	680360	89319	89319	89321
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with urethane cover suitable for use with gas and petroleum.

† Thick Wall 12" Shell Cutter option available.

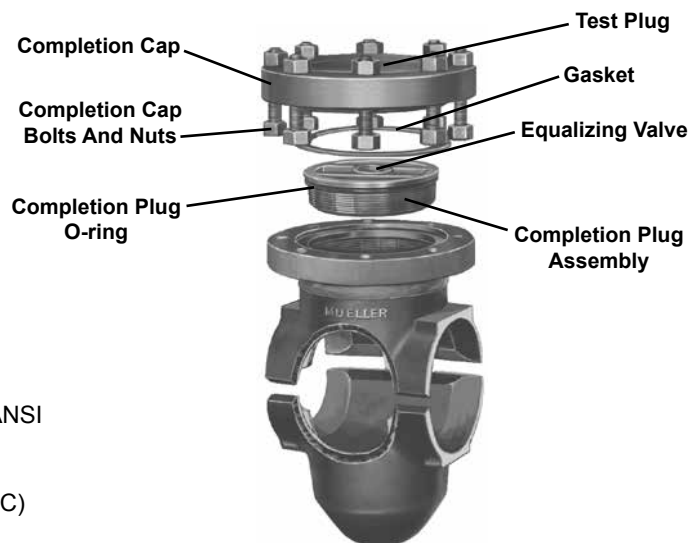
# MUELLER® SIDE-OUT LINE STOPPER FITTING WELDING TYPE - 720 PSIG



# 11.21

Shaded area indicates change Rev. 12-06

- Catalog number – H-17357
- Sizes – 10", 12"
- For use on steel pipe only
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Pipe pup included for alternative welding options
- Class 400 flange complies with dimensional requirements of ANSI B16.5
- 720 psig\*\*(4964 kPa) maximum working pressure at 100F (38C)



**H-17357**

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
			Maximum Wall Thickness	Minimum Wall Thickness	Max Inside Diameter
10"	12-1/2"	10.750"	No limit	No limit	No limit
12"	12-1/2"	12.750"	.375"	.188"	12.374"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17357 Fittings

Drilling Machine	Line Stopper Unit Unit No. 4SW H-17357
C1-36	10" and 12"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal	Pipe Plug
10"	47648	64134	501194 (20)	46434	83488	46428	528760
12"	47648	64134	501194 (20)	46434	83488	46428	528764

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Rev. 12-12 Shaded area indicates changes

### Equipment required to install and stop-off H-17357 welding Line Stopper Fitting

Tool Name	Quantity Required	Line Stopper Unit No. 4SW
		10" x 12" H-17357
Drilling Machine	1	C1-36
Stopping Machine	2	H-17440
Gate Valve	2	83565 or 83318†
Drilling Machine Adapter	1	83323
Cutter Hub	1	682782††
Shell Cutter	1	682780
Pilot Drill	1	682781
Steel Wedge Stopper*	2	89704
Completion Machine	1	H-17445
Plug Alignment Tool	1	83250
Plug Inserting Tool	1	83237
Plug Extracting Tool	1	83238
Completion Plug Wrench	1	36424
Thread Cleaning Tool	1	89321
Inspection Flange	1	H-17619

\*Steel Wedge Stopper with urethane cover suitable for use with gas and petroleum.

† The 83565 Gate Valve has a maximum working pressure of 275 psig and the 83318 Gate Valve has a maximum working pressure of 500 psig.

†† Thick Wall 12" Shell Cutter option available.

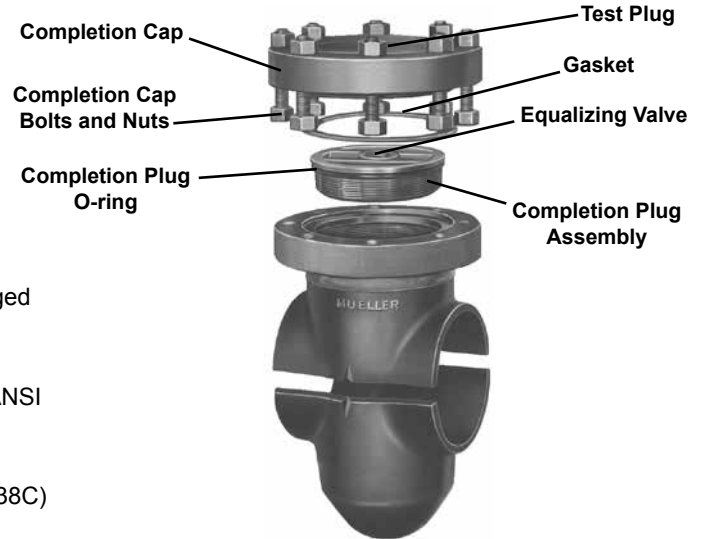
# MUELLER® LINE STOPPER FITTING WELDING TYPE - 1440 PSIG



# 11.23

Shaded area indicates change Rev. 12-06

- Catalog number – H-17258
- Sizes – 4" x 3"\*\*\*, 4", 6", 8"
- For use on steel pipe only
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Class 600 flange complies with dimensional requirements of ANSI B16.5
- 1440 psig\*\*\*(9928 kPa) maximum working pressure at 100F (38C)



H-17258

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
			Maximum Wall Thickness	Minimum Wall Thickness	Max Inside Diameter
4" x 3"***	4-1/4"	3.500"	No limit	No limit	No limit
4"	4-1/4"	4.500"	No limit	.188"	4.124"
6"	6-1/4"	6.625"	.432" (sch. 80)	.250"	6.125"
8"	8-1/4"	8.625"	.406" (sch. 60)	.250"	8.125"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17258 Fittings

Drilling Machine	Line Stopper Units			
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500
	H-17258			
C1-36	4" x 3" and 4"	6" and 8"	4" x 3", 4", 6", and 8"	4" x 3", 4", 6", and 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
4" x 3"***	46708	64134	43908 (8)	36377	83490	43917
4"	46708	64134	43908 (8)	36377	83490	43917
6"	79891	64134	501192 (12)	62945	83491	79895
8"	79906	64134	501193 (20)	63057	682233	79020

\*Nominal

\*\* The 4" x 3" size fitting is a 4" fitting that has been modified to fit 3" steel pipe. This fitting uses 4" tools and equipment.

\*\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Rev. 12-06 Shaded area indicates changes

### Equipment required to install and stop-off H-17258 welding Line Stopper Fittings

Tool Name	Quantity Required	Line Stopper Unit No. 2		Line Stopper Unit No. 3	
		4" x 3" H-17258	4" H-17258	6" H-17258	8" H-17258
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17235	H-17235	H-17335	H-17335
Gate Valve	2	88611	88611	83953	83953
Valve Adapter	2	83164	83164	501225	502290
Drilling Machine Adapter	1	36343	36343	36545	36545
Cutter Hub	1	54526	54526	54501	54653
Shell Cutter	1	36472	36472	36548	36521
Pilot Drill	1	580585	580585	580585	580586
Solid Rubber Stopper	2	88614	88614	682365	88699
Top Bypass Rubber Stopper	2	88613	88613	-	-
Full Bypass Rubber Stopper	2	680515	680515	682364	680517
Completion Machine	1	H-17246	H-17246	H-17345	H-17345
Plug Alignment Tool	1	83522	83522	83519	83519
Plug Inserting Tool	1	83520	83520	83517	83517
Plug Extracting Tool	1	83521	83521	83518	83518
Completion Plug Wrench	1	36404	36404	36424	36424
Inserting Bar Ext. Spacer	2	79403	79403	36991	36991
Inserting Bar Ext. Sleeve	2	79402	79402	36992	36992
Tool Adapter	2	37197	37197	37197	37197
Retaining Screw Wrench	1	-	-	88475	88475
Thread Cleaning Tool	1	89317	89317	89318	89318
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW				Line Stopper Unit No. 3SW-500			
		4" x 3" H-17258	4" H-17258	6" H-17258	8" H-17258	4" x 3" H-17258	4" H-17258	6" H-17258	8" H-17258
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	H-17340	H-17342	H-17342	H-17342	H-17342
Gate Valve	2	83953	83953	83953	83953	83721	83721	83721	83721
Valve Adapter	2	83775	83775	501225	502290	501982	501982	63244	63381
Drilling Machine Adapter	1	36545	36545	36545	36545	83730	83730	83730	83730
Cutter Hub	1	54526	54526	54501	54653	54526	54526	54501	54653
Shell Cutter	1	36472	36472	36548	36521	36472	36472	36548	36521
Pilot Drill	1	580585	580585	580585	580586	580585	580585	580585	580586
Steel Wedge Stopper*	2	89694	89694	89696	89698	89694	89694	89696	89698
Completion Machine	1	H-17346	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347	H-17347
Plug Alignment Tool	1	83774	83774	83250	83250	83774	83774	83250	83250
Plug Inserting Tool	1	83772	83772	83237	83237	83772	83772	83237	83237
Plug Extracting Tool	1	83773	83773	83238	83238	83773	83773	83238	83238
Completion Plug Wrench	1	36404	36404	36424	36424	36404	36404	36424	36424
Thread Cleaning Tool	1	680360	680360	89319	89319	680360	680360	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with urethane cover suitable for use with gas and petroleum.



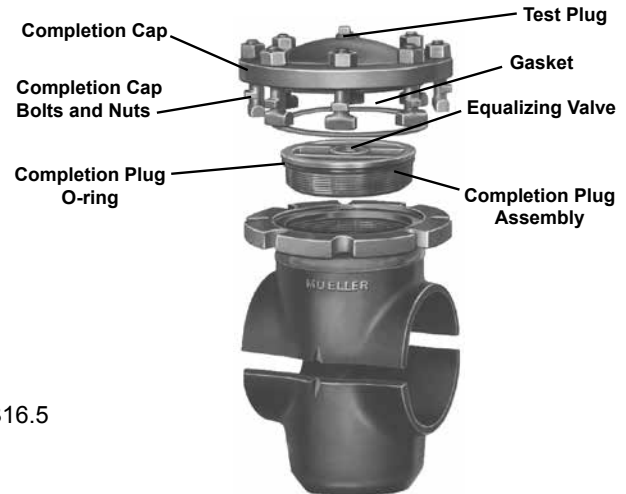
# MUELLER® BOTTOM-OUT STOPPER FITTING WELDING TYPE - 275 PSIG



# 11.25

Shaded area indicates change Rev. 3-16

- Catalog number – H-17260
- Sizes – 3", 4"x2", 4"x3"\*\*, 4", 6", 8", 10", 12"
- For use on steel pipe only---with bottom opening sized for standard schedule 40 steel pipe
- O-ring sealed cast iron (ASTM A126 CL.B) Completion Plug with equalizing valve
- Completion Cap cast iron (ASTM A126 CL.B)
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Class 150 flange complies with dimensional requirements of ANSI B16.5
- 275 psig\*\* (1896 kPa) maximum working pressure at 100F (38C)



**H-17260**

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	I.D. Size of Bottom Opening
3"	3-1/4"	3.500"	No limit	.188"	3.124"	3-1/6"
3"x2"	3-1/4"	2.38"	No limit	No limit	No limit	3-1/16"
4"x2"	4-1/4"	2.38"	No limit	No limit	No limit	3-1/32"
4"x3"	4-1/4"	3.500"	No limit	No limit	No limit	4-1/32"
4"	4-1/4"	4.500"	No limit	.188"	4.124"	4-1/32"
6"	6-1/4"	6.625"	.432" (sch. 80)	.250"	6.125"	6-1/16"
6"x4"	6-1/4"	4.50"	No limit	No limit	No limit	6-1/16"
8"	8-1/4"	8.625"	.406" (sch. 60)	.250"	8.125"	8"
8"x6"	8-1/4"	6.625"	No limit	No limit	No limit	8"
10"	12-1/2"	10.750"	No limit	No limit	No limit	9-11/16"
12"	12-1/2"	12.750"	.375"	.188"	12.374"	11-5/8"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17260 Fittings

Drilling Machine	Line Stopper Units				
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500	Unit No. 4SW
	H-17260				
C1-36	3"x2" *, 4"x2", 4"x3" & 4"	6", 8", 6"x4", & 8"x6"	4"x2", 4"x3" *, 4", 6", 6"x4", 8" & 8"x6"	4"x2", 4"x3" *, 4", 6", 6"x4", 8" & 8"x6"	10" & 12"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
3"	36590	64134	503708 (6)	43959	83484	43922
4" x 3"	36592	64134	36731 (8)	36377	83485	43917
4"	36592	64134	36731 (8)	36377	83485	43917
6"	36609	64134	36446 (8)	62945	83487	79895
8"	36625	64134	503709 (12)	63094	83493	79020
10"	61867	64134	52056 (12) nut 90230 (12) bolt	46434	83560	46428
12"	61867	64134	52056 (12) nut 90230 (12) bolt	46434	83560	46428

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Rev. 2-16 Shaded area indicates changes

### Equipment required to install and stop-off H-17260 welding Line Stopper Fittings

Tool Name	Qty. Req'd.	Line Stopper Unit No. 2			Line Stopper Unit No. 3	
		3" & 3"x2" H-17260	4"x2" & 4" x 3" H-17260	4" H-17260	6" & 6"x4" H-17260	8" & 8"x6" H-17260
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17235	H-17235	H-17235	H-17335	H-17335
Gate Valve	2	88611	88611	88611	83953	83953
Valve Adapter	2	36461	-	-	501223	-
Drilling Machine Adapter	1	36343	36343	36343	36545	36545
Cutter Arbor	1	88101	-	-	-	-
Cutter Hub	1	-	54526	54526	54501	54653
Shell Cutter	1	36463	36472	36472	36548	36521
Pilot Drill	1	36464	580585	580585	580585	580586
Solid Rubber Stopper	2	88610	88614	88614	682365	88699
Bottom Bypass Rubber Stopper	2	80064	81496	81496	-	-
Full Bypass Rubber Stopper	2	680514	680515	680515	682364	680517
Bottom Stopper	2	681990	681991	681991	681993	682634
Completion Machine	1	H-17246	H-17246	H-17246	H-17345	H-17345
Plug Alignment Tool	1	83522	83522	83522	83519	83519
Plug Inserting Tool	1	83520	83520	83520	83517	83517
Plug Extracting Tool	1	83521	83521	83521	83518	83518
Completion Plug Wrench	1	36404	36404	36404	36424	36424
Inserting Bar Ext. Spacer	2	505554	-	-	-	-
Inserting Bar Ext. Sleeve	2	505555	-	-	-	-
Tool Adapter	2	-	-	-	37197	37197
Retaining Screw Wrench	1	-	-	-	88475	88475
Thread Cleaning Tool	1	89316	89317	89317	89318	89318
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619

Tool Name	Qty. Req'd.	Line Stopper Unit 3SW				Line Stopper Unit 3SW-500				Line Stopper Unit 4SW
		4"x2" & 4"x3" H-17260	4" H-17260	6" & 6"x4" H-17260	8" & 8"x6" H-17260	4"x2" & 4"x3" H-17260	4" H-17260	6" & 6"x4" H-17260	8" & 8"x6" H-17260	10" & 12" H-17260
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	H-17340	H-17342	H-17342	H-17342	H-17342	H-17440
Gate Valve	2	83953	83953	83953	83953	83721	83721	83721	83721	83565 or 83318†
Valve Adapter	2	83513	83513	501223	-	501361	501361	63205	63193	681528***
Drilling Machine Adapter	1	36545	36545	36545	36545	83730	83730	83730	83730	83323
Cutter Hub	1	54526	54526	54501	54653	54526	54526	54501	54653	682782††
Shell Cutter	1	36472	36472	36548	36521	36472	36472	36548	36521	682780
Pilot Drill	1	580585	580585	580585	580586	580585	580585	580585	580586	682781
Steel Wedge Stopper*	2	89694	89694	89696	89698	89694	89694	89696	89698	89704
Bottom Stopper	2	681992	681992	681994	681996	681992	681992	681994	681996	681997**
Completion Machine	1	H-17346	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347	H-17347	H-17445
Plug Alignment Tool	1	83774	83774	83250	83250	83774	83774	83250	83250	83250
Plug Inserting Tool	1	83772	83772	83237	83237	83772	83772	83237	83237	83237
Plug Extracting Tool	1	83773	83773	83238	83238	83773	83773	83238	83238	83238
Completion Plug Wrench	1	36404	36404	36424	36424	36404	36404	36424	36424	36424
Thread Cleaning Tool	1	680360	680360	89319	89319	680360	680360	89319	89319	89321
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with polyurethane cover suitable for use with gas and petroleum.

\*\*Used only on 1999 or later enhanced fittings.

\*\*\* Used with Gate Valve 83318.

† The 83565 Gate Valve has a maximum working pressure of 275 psig and the 83318 Gate Valve has a maximum working pressure of 500 psig.

†† Thick Wall 12" Shell Cutter option available.

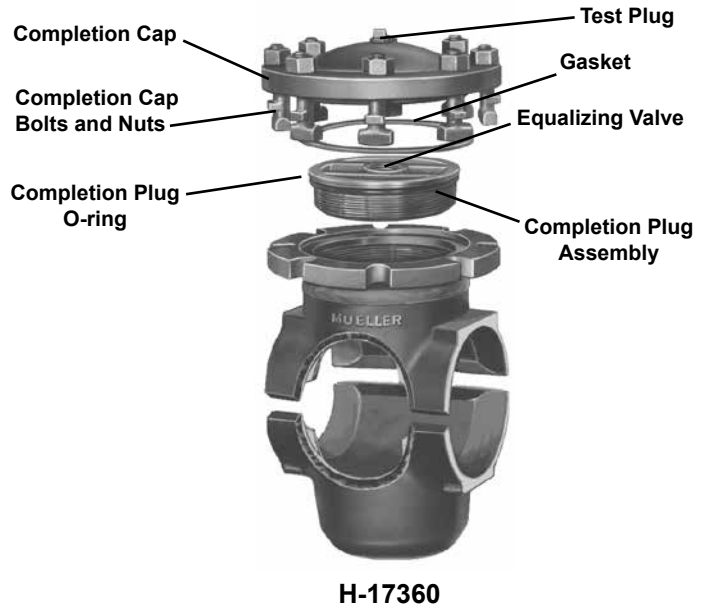
# MUELLER® SIDE AND BOTTOM-OUT STOPPER FITTING WELDING TYPE - 275 PSIG



# 11.27

Shaded area indicates change Rev. 12-06

- Catalog number – H-17360
- Sizes – 3", 4", 6", 8", 10", 12"
- For use on steel pipe only---with bottom opening sized for standard schedule 40 steel pipe
- O-ring sealed cast iron (ASTM A126 CL.B) Completion Plug with equalizing valve
- Completion Cap cast iron (ASTM A126 CL.B)
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Pipe pup included for alternative welding options
- Class 150 flange complies with dimensional requirements of ANSI B16.5
- 275 psig\*\* (1896 kPa) maximum working pressure at 100F (38C)



## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	I.D. Size of Bottom Opening
3"	3-1/4"	3.500"	No limit	.188"	3.124"	3-1/6"
4"	4-1/4"	4.500"	No limit	.188"	4.124"	4-1/32"
6"	6-1/4"	6.625"	.432" (sch. 80)	.250"	6.125"	6-1/16"
8"	8-1/4"	8.625"	.406" (sch. 60)	.250"	8.125"	8"
10"	12-1/2"	10.750"	No limit	No limit	No limit	9-11/16"
12"	12-1/2"	12.750"	.375"	.188"	12.374"	11-5/8"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17360 Fittings

Drilling Machine	Line Stopper Units				
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500	Unit No. 4SW
	H-17360				
C1-36	3" and 4"	6" and 8"	4", 6", and 8"	4", 6", and 8"	10" and 12"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal	Pipe Plug
3"	36590	64134	503708 (6)	43959	83484	43922	
4"	36592	64134	36731 (8)	36377	83485	43917	528748
6"	36609	64134	36446 (8)	62945	83487	79895	528748
8"	36625	64134	503709 (8)	63094	83493	79020	528752
10"	61867	64134	52056 (12) nut 90230 (12) bolt	46434	83560	46428	528756
12"	61867	64134	52056 (12) nut 90230 (12) bolt	46434	83560	46428	528760

\*Nominal

\*\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Rev. 12-12 Shaded area indicates changes

### Equipment required to install and stop-off H-17360 welding Line Stopper Fittings

Tool Name	Quantity Required	Line Stopper Unit No. 2		Line Stopper Unit No. 3	
		3" H-17360	4" H-17360	6" H-17360	8" H-17360
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17235	H-17235	H-17335	H-17335
Gate Valve	2	88611	88611	83953	83953
Valve Adapter	2	36461	-	501223	-
Drilling Machine Adapter	1	36343	36343	36545	36545
Cutter Arbor	1	88101	-	-	-
Cutter Hub	1	-	54526	54501	54653
Shell Cutter	1	36463	36472	36548	36521
Pilot Drill	1	36464	580585	580585	580586
Solid Rubber Stopper	2	88610	88614	682365	88699
Bypass Rubber Stopper	2	80064	81496	-	-
Full Bypass Rubber Stopper	2	680514	680515	682364	680517
Bottom Stopper	2	681990	681991	681993	681995
Completion Machine	1	H-17246	H-17246	H-17345	H-17345
Plug Alignment Tool	1	83522	83522	83519	83519
Plug Inserting Tool	1	83520	83520	83517	83517
Plug Extracting Tool	1	83521	83521	83518	83518
Completion Plug Wrench	1	36404	36404	36424	36424
Inserting Bar Ext. Spacer	2	505554	-	-	-
Inserting Bar Ext. Sleeve	2	505555	-	-	-
Tool Adapter	2	-	-	37197	37197
Retaining Screw Wrench	1	-	-	88475	88475
Thread Cleaning Tool	1	89316	89317	89318	89318
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

Tool Name	Qty. Req'd.	Line Stopper Unit 3SW			Line Stopper Unit 3SW-500			Line Stopper Unit 4SW
		4" H-17360	6" H-17360	8" H-17360	4" H-17360	6" H-17360	8" H-17360	10" and 12" H-17360
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	H-17342	H-17342	H-17342	H-17440
Gate Valve	2	83953	83953	83953	83721	83721	83721	83565 or 83318†
Valve Adapter	2	83513	501223	-	501361	63205	63193	681528***
Drilling Machine Adapter	1	36545	36545	36545	83730	83730	83730	83323
Cutter Hub	1	54526	54501	54653	54526	54501	54653	682782††
Shell Cutter	1	36472	36548	36521	36472	36548	36521	682780
Pilot Drill	1	580585	580585	580586	580585	580585	580586	682781
Steel Wedge Stopper*	2	89694	89696	89698	89694	89696	89698	89704
Bottom Stopper	2	681992	681994	681996	681992	681994	681996	681997**
Completion Machine	1	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347	H-17445
Plug Alignment Tool	1	83774	83250	83250	83774	83250	83250	83250
Plug Inserting Tool	1	83772	83237	83237	83772	83237	83237	83237
Plug Extracting Tool	1	83773	83238	83238	83773	83238	83238	83238
Completion Plug Wrench	1	36404	36424	36424	36404	36424	36424	36424
Thread Cleaning Tool	1	680360	89319	89319	680360	89320	89320	89321
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with urethane cover suitable for use with gas and petroleum.

\*\*Used only on 1999 or later enhanced fittings.

\*\*\* Used with Gate Valve 83318.

† The 83565 Gate Valve has a maximum working pressure of 275 psig and the 83318 Gate Valve has a maximum working pressure of 500 psig.

†† Thick Wall 12" Shell Cutter option available.

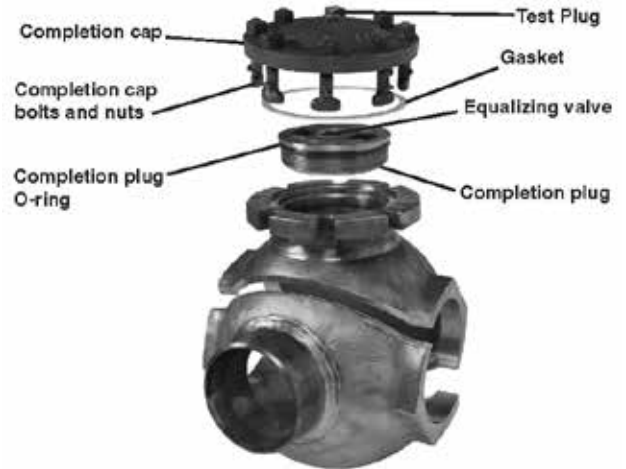
# MUELLER® SPHERICAL LINE STOPPER FITTING WELDING TYPE - 285 PSIG



# 11.29

Shaded area indicates change Rev. 7-17

- Catalog number – H-17460
- Sizes – 4"x3", 4", 6", 8", 10", 12"
- For use on steel pipe only---with outlet sized for standard schedule 40 steel pipe
- O-ring sealed cast iron (ASTM A126 CL.B) Completion Plug with equalizing valve
- Completion Cap cast iron (ASTM A126 CL.B)
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Class 150 flange complies with dimensional requirements of ANSI B16.5
- 285 psig\*\* (1965 kPa) maximum working pressure at 100F (38C)



**H-17460**

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	Inside Diameter of Outlet
4"x3"	4-1/4"	3.50"	No limit	No limit	No limit	-
4"	4-1/4"	4.500"	No limit	.188"	4.124"	4.031"
6"	6-1/4"	6.625"	.432"	.250"	6.125"	6.062"
8"	8-1/4"	8.625"	.406"	.250"	8.125"	8.00"
10"	12-1/2"	10.750"	No limit	No limit	No limit	9.687"
12"	12-1/2"	12.750"	.375"	.188"	12.374"	11.625"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17360 Fittings

Drilling Machine	Line stopper units		
	Unit No. 3SW	Unit No. 3SW-500	Unit No. 4SW
	H-17460		
C1-36	4"x3", 4", 6", and 8"	4", 4"x3", 6", and 8"	10" and 12"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
4"x3"	36592	64134	36731 (8)	36377	83485	43917
4"	36592	64134	36731 (8)	36377	83485	43917
6"	36609	64134	36446 (8)	62945	682702	79477
8"	36625	64134	503709 (8)	63094	682703	63359
10"	61867	64134	52056 (12) nut 90230 (12) bolt	46434	83560	46428
12"	61867	64134	52056 (12) nut 90230 (12) bolt	46434	83560	46428

\*Nominal

\*\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17460 welding Line Stopping Fittings

Tool Name	Quantity Required	Line Stopper Unit No. 3SW			Line Stopper Unit No. 3SW-500		
		4" & 4"x3" H-17460	6" H-17460	8" H-17460	4" & 4"x3" H-17460	6" H-17460	8" H-17360
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	H-17342	H-17342	H-17342
Gate Valve	2	83953	83953	83953	83721	83721	83721
Valve Adapter	2	83513	501223	-	501361	63205	63193 **
Drilling Machine Adapter	1	36545	36545	36545	83730	83730	83730
Cutter Hub	1	54526	54501	54653	54526	54501	54653
Shell Cutter	1	36472	36548	36521	36472	36548	36521
Pilot Drill	1	580585	580585	580586	580585	580585	580586
Steel Wedge Stopper	2	89694	89696	89698	89694	89696	89698
Bottom Stopper	2	681992	681994	681996	681992	681994 **	681996
Completion Machine	1	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347
Plug Alignment Tool	1	83774	83250	83250	83774	83250	83250
Plug Inserting Tool	1	83772	83237	83237	83772	83237	83237
Plug Extracting Tool	1	83773	83238	83238	83773	83238	83238
Completion Plug Wrench	1	36404	36424	36424	36404	36424	36424
Thread Cleaning Tool	1	680360	89319	89319	680360	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

Tool Name	Quantity Required	Line Stopper Unit No. 4SW	
		10" H-17460	12" H-17460
Drilling Machine	1	C1-36	C1-36
Stopping Machine	2	H-17440	H-17440
Gate Valve	2	83565 or 83318†	83565 or 83318†
Valve Adapter	2	681528††	681528††
Drilling Machine Adapter	1	83323	83323
Cutter Hub	1	682782†††	682782†††
Shell Cutter	1	682780	682780
Pilot Drill	1	682781	682781
Steel Wedge Stopper	2	89704	89704
Bottom Stopper	2	681997***	681997
Completion Machine	1	H-17445	H-17445
Plug Alignment Tool	1	83250	83250
Plug Inserting Tool	1	83237	83237
Plug Extracting Tool	1	83238	83238
Completion Plug Wrench	1	36424	36424
Thread Cleaning Tool	1	89321	89321
Inspection Flange	1	H-17619	H-17619

\*For Bottom Stop use Valve Adapter 682687 instead of listed Valve Adapter.

\*\*For Bottom Stop use Valve Adapter 537365 instead of listed Valve Adapter.

\*\*\*10" fitting requires a new seat retainer (537305) to Bottom Stopper.

† The 83565 Gate Valve has a maximum working pressure of 275 psig and the 83318 Gate Valve has a maximum working pressure of 500 psig.

††Use with gate valve 83318.

††† Thick Wall 12" Shell Cutter option available.

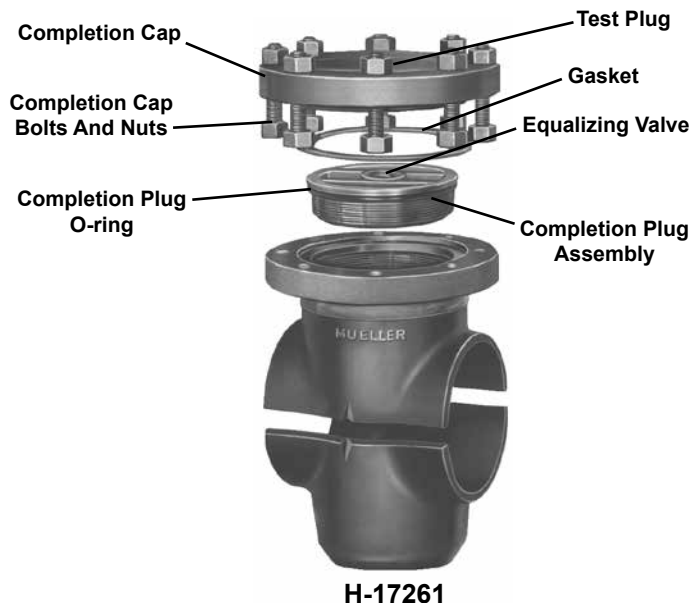
# MUELLER® BOTTOM-OUT STOPPER FITTING WELDING TYPE - 720 PSIG



# 11.31

Shaded area indicates change Rev. 7-17

- Catalog number – H-17261
- Sizes – 3", 4"x3"x3", 4"x3"x4", 4", 6", 8"
- For use on steel pipe only---with bottom opening sized for standard schedule 40 steel pipe
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Class 300 flange complies with dimensional requirements of ANSI B16.5
- 720 psig\*\*\* (4964 kPa) maximum working pressure at 100F (38C)



## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	I.D. Size of Bottom Opening
3"	3-1/4"	3.500"	No limit	.188"	3.124"	3-1/6"
4"x3" **	4-1/4"	3.500"	No limit	No limit	No limit	4-1/32"
4"x3"	4-1/4"	3.500"	No limit	No limit	No limit	3.188"
4"	4-1/4"	4.500"	No limit	.188"	4.124"	4-1/32"
6"	6-1/4"	6.625"	.432" (sch. 80)	.250"	6.125"	6-1/16"
8"	8-1/4"	8.625"	.406" (sch. 60)	.250"	8.125"	8"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17261 Fittings

Drilling Machine	Line Stopper Units			
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500
	H-17261			
C1-36	3", 4" & 4"x3"	6" and 8"	4" x 3", 4", 6", and 8"	4" x 3", 4", 6", and 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
3"	64203	64134	43912 (8)	43959	83489	43922
4" x 3"***	64204	64134	43911 (8)	36377	83490	43917
4"	64204	64134	43911 (8)	36377	83490	43917
6"	64205	64134	500894 (12)	62945	83491	79895
8"	64206	64134	43908 (12)	63057	83492	79020

\*Nominal

\*\* The 4" x 3" size fitting is a 4" fitting that has been modified to fit 3" steel pipe. This fitting uses 4" tools and equipment.

\*\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17261 welding Line Stopper Fittings

Tool Name	Quantity Required	Line Stopper Unit No. 2		Line Stopper Unit No. 3	
		3" H-17261	4" H-17261	6" H-17261	8" H-17261
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17235	H-17235	H-17335	H-17335
Gate Valve	2	88611	88611	83953	83953
Valve Adapter	2	37149	37153	501224	502289
Drilling Machine Adapter	1	36343	36343	36545	36545
Cutter Arbor	1	88101	-	-	-
Cutter Hub	1	-	54526	54501	54653
Shell Cutter	1	36463	36472	36548	36521
Pilot Drill	1	36464	580585	580585	580586
Solid Rubber Stopper	2	88610	88614	682365	88699
Bottom Bypass Rubber Stopper	2	80064	81496	-	-
Full Bypass Rubber Stopper	2	680514	68515	682364	680517
Bottom Stopper	2	681990	681991	681993	681995
Completion Machine	1	H-17246	H-17246	H-17345	H-17345
Plug Alignment Tool	1	83522	83522	83519	83519
Plug Inserting Tool	1	83520	83520	83517	83517
Plug Extracting Tool	1	83521	83521	83518	83518
Completion Plug Wrench	1	36404	36404	36424	36424
Inserting Bar Ext. Spacer	2	505554	79403	36991	36991
Inserting Bar Ext. Sleeve	2	505555	79402	36992	36992
Tool Adapter	2	-	-	37197	37197
Retaining Screw Wrench	1	-	-	88475	88475
Thread Cleaning Tool	1	89316	89317	89318	89318
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW				Line Stopper Unit No. 3SW-500			
		4" x 3" H-17261	4" H-17261	6" H-17261	8" H-17261	4" x 3" H-17261	4" H-17261	6" H-17261	8" H-17261
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	17340	H-17342	H-17342	H-17342	H-17342
Gate Valve	2	83953	83953	83953	83953	83721	83721	83721	83721
Valve Adapter	2	83697	83697	501224	502289	500021	500021	63261	-
Drilling Machine Adapter	1	36545	36545	36545	36545	83730	83730	83730	83730
Cutter Hub	1	54526	54526	54501	54653	54526	54526	54501	54653
Shell Cutter	1	36472	36472	36548	36521	36472	36472	36548	36521
Pilot Drill	1	580585	580585	580585	580586	580585	580585	580585	580586
Steel Wedge Stopper*	2	89694	89694	89696	89698	89694	89694	89696	89698
Bottom Stopper	2	681992	681992	681994	681996	681992	681992	681994	681996
Completion Machine	1	H-17346	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347	H-17347
Plug Alignment Tool	1	83774	83774	83250	83250	83774	83774	83250	83250
Plug Inserting Tool	1	83772	83772	83237	83237	83772	83772	83237	83237
Plug Extracting Tool	1	83773	83773	83238	83238	83773	83773	83238	83238
Completion Plug Wrench	1	36404	36404	36424	36424	36404	36404	36424	36424
Thread Cleaning Tool	1	680360	680360	89319	89319	680360	680360	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with urethane cover suitable for use with gas and petroleum.



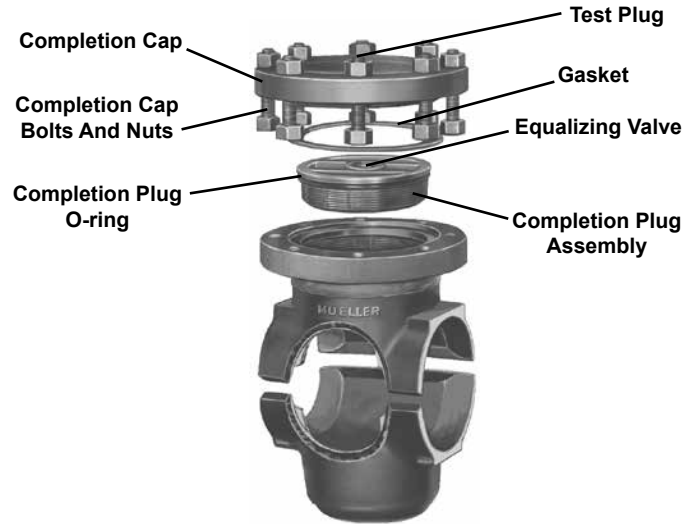
# MUELLER® SIDE AND BOTTOM-OUT STOPPER FITTING WELDING TYPE - 720 PSIG



# 11.33

Shaded area indicates change Rev. 3-08

- Catalog number – H-17361
- Sizes – 4", 6", 8"
- For use on steel pipe only---with bottom opening sized for standard schedule 40 steel pipe
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Pipe pup included for alternative welding options.
- Class 300 flange complies with dimensional requirements of ANSI B16.5
- 720 psig\*\* (4964 kPa) maximum working pressure at 100F (38C)



**H-17361**

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	I.D. Size of Bottom Opening
4"	4-1/4"	4.500"	No limit	.188"	4.124"	4-1/32"
6"	6-1/4"	6.625"	.432" (sch. 80)	.250"	6.125"	6-1/16"
8"	8-1/4"	8.625"	.406" (sch. 60)	.250"	8.125"	8"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17361 Fittings

Drilling Machine	Line Stopper Units			
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500
	H-17361			
C1-36	4"	6" and 8"	4", 6", and 8"	4", 6", and 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal	Pipe Plug
4"	64204	64134	43911 (8)	36377	83490	43917	528748
6"	64205	64134	500894 (12)	62945	83491	79895	528748
8"	64206	64134	43908 (12)	63057	83492	79020	528752

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17361 welding Line Stopper Fittings

Tool Name	Quantity Required	Line Stopper Unit No. 2		Line Stopper Unit No. 3	
		4" H-17361	6" H-17361	8" H-17361	8" H-17361
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17235	H-17335	H-17335	H-17335
Gate Valve	2	88611	83953	83953	83953
Valve Adapter	2	37153	501224	502289	502289
Drilling Machine Adapter	1	36343	36545	36545	36545
Cutter Hub	1	54526	54501	54653	54653
Shell Cutter	1	36472	36548	36521	36521
Pilot Drill	1	580585	580585	580586	580586
Solid Rubber Stopper	2	88614	682365	88699	88699
Bypass Rubber Stopper	2	81496	-	-	-
Full Bypass Rubber Stopper	2	680515	682364	680517	680517
Bottom Stopper	2	681991	681993	681995	681995
Completion Machine	1	H-17246	H-17345	H-17345	H-17345
Plug Alignment Tool	1	83522	83519	83519	83519
Plug Inserting Tool	1	83520	83517	83517	83517
Plug Extracting Tool	1	83521	83518	83518	83518
Completion Plug Wrench	1	36404	36424	36424	36424
Inserting Bar Ext. Spacer	2	79403	36991	36991	36991
Inserting Bar Ext. Sleeve	2	79402	36992	36992	36992
Tool Adapter	2	-	37197	37197	37197
Retaining Screw Wrench	1	-	88475	88475	88475
Thread Cleaning Tool	1	89317	89318	89318	89318
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW			Line Stopper Unit No. 3SW-500		
		4" H-17361	6" H-17361	8" H-17361	4" H-17361	6" H-17361	8" H-17361
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	H-17342	H-17342	H-17342
Gate Valve	2	83953	83953	83953	83721	83721	83721
Valve Adapter	2	83697	501224	502289	500021	63261	-
Drilling Machine Adapter	1	36545	36545	36545	83730	83730	83730
Cutter Hub	1	54526	54501	54653	54526	54501	54653
Shell Cutter	1	36472	36548	36521	36472	36548	36521
Pilot Drill	1	580585	580585	580586	580585	580585	580586
Steel Wedge Stopper*	2	89694	89696	89698	89694	89696	89698
Bottom Stopper	2	681992	681994	681996	681992	681994	681996
Completion Machine	1	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347
Plug Alignment Tool	1	83774	83250	83250	83774	83250	83250
Plug Inserting Tool	1	83772	83237	83237	83772	83237	83237
Plug Extracting Tool	1	83773	83238	83238	83773	83238	83238
Completion Plug Wrench	1	36404	36424	36424	36404	36424	36424
Thread Cleaning Tool	1	680360	89319	89319	680360	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with polyurethane cover suitable for use with gas and petroleum.

† Furnished with Completion Machine.

††† ( ) indicates full Bypass rubber plug.

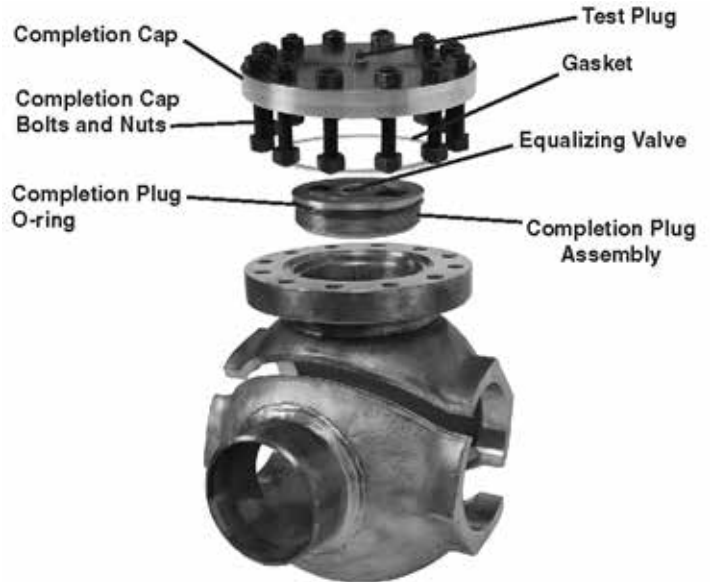
# MUELLER® SPHERICAL LINE STOPPER FITTING WELDING TYPE - 740 PSIG



# 11.35

Shaded area indicates change Rev. 7-17

- Catalog number – H-17461
- Sizes – 4"x3", 4", 6", 8"
- For use on a steel pipe only---with outlet sized for standard schedule 40 steel pipe
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Class 300 flange complies with dimensional requirements of ANSI B16.5
- 740 psig\*\* (5102 kPa) maximum working pressure at 100F (38C)



**H-17461**

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	Inside Diameter of Outlet
4"x3"	4-1/4"	3.50"	No limit	No limit	No limit	4.031"
4"	4-1/4"	4.500"	No limit	.188"	4.124"	4.031"
6"	6-1/4"	6.625"	.432"	.250"	6.125"	6.062"
8"	8-1/4"	8.625"	.406"	.250"	8.125"	8.00"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17361 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H17461	
C1-36	4", 4"x3", 6", and 8"	4", 4"x3", 6", and 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
4"x3"	64204	64134	43911 (8)	36377	83490	43917
4"	64204	64134	43911 (8)	36377	83490	43917
6"	64205	64134	500894 (12)	62945	682704	79477
8"	64206	64134	43908 (12)	63057	682705	63359

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Rev. 2-16 Shaded area indicates changes

**Equipment required to install and stop-off H-17461 welding Line Stopping Fittings**

Tool Name	Quantity Re-quired	Line Stopper Unit No. 3SW			Line Stopper Unit No. 3SW-500		
		4" & 4"x3" H-17461	6" H-17461	8" H-17461	4" & 4"x3" H-17461	6" H-17461	8" H-17361
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	H-17342	H-17342	H-17342
Gate Valve	2	83953	83953	83953	83721	83721	83721
Valve Adapter	2	83513	501223	-	501361	63205	63193 **
Drilling Machine Adapter	1	36545	36545	36545	83730	83730	83730
Cutter Hub	1	54526	54501	54653	54526	54501	54653
Shell Cutter	1	36472	36548	36521	36472	36548	36521
Pilot Drill	1	580585	580585	580586	580585	580585	580586
Steel Wedge Stopper	2	89694	89696	89698	89694	89696	89698
Bottom Stopper	2	681992	681994	681996	681992	681994 **	681996
Completion Machine	1	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347
Plug Alignment Tool	1	83774	83250	83250	83774	83250	83250
Plug Inserting Tool	1	83772	83237	83237	83772	83237	83237
Plug Extracting Tool	1	83773	83238	83238	83773	83238	83238
Completion Plug Wrench	1	36404	36424	36424	36404	36424	36424
Thread Cleaning Tool	1	680360	89319	89319	680360	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\* For bottom stop use valve adapter 682686 instead of listed valve adapter

\*\* Requires the modified clamp to be installed on 3SW500 stopping machine

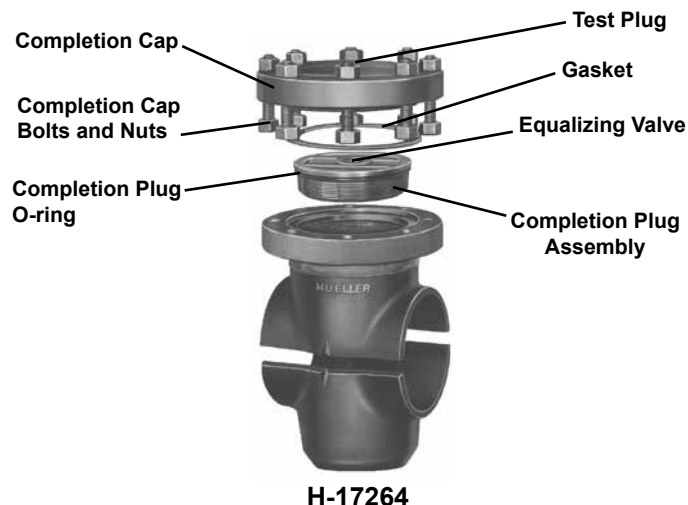
# MUELLER® BOTTOM-OUT STOPPER FITTING WELDING TYPE - 960 PSIG



# 11.37

Shaded area indicates change Rev. 7-17

- Catalog number – H-17264
- Sizes – 3", 4" x 3"\*\*\*, 4", 6", 10", 12"
- For use on steel pipe only---with bottom opening sized for standard schedule 40 steel pipe
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Class 400 flange complies with dimensional requirements of ANSI B16.5
- 960 psig\*\*\* (6618 kPa) maximum working pressure at 100F (38C)



## Pipe Dimension

Size of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	I.D. Size of Bottom Opening
3"	3-1/4"	3.500"	No limit	.188"	3.124"	3.062"
4" x 3"***	4-1/4"	3.500"	No limit	No limit	No limit	4.031"
4"	4-1/4"	4.500"	No limit	.188"	4.124"	4.031"
6"	6-1/4"	6.625"	.432" (sch. 80)	.250"	6.125"	6.062"
10"	12-1/2"	10.750"	No limit	No limit	No limit	9.687"
12"	12-1/2"	12.750"	.375" (std.wt)	.188"	12.374"	11.625"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17264 Fittings

Drilling Machine	Line Stopper Units				
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500	Unit No. 4SW
	H-17264				
C1-36	4" x 3" and 4"	6"	4" x 3", 4", 6" & 8"	4" x 3", 4", 6" & 8"	10" and 12"

## Replacement Parts

Fitting Size	Completion Cap	Test Plug	Completion Cap Bolts And Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
3"	64203	64134	43912 (8)	43959	83489	43922
4" x 3"***	42039	64134	46710 (8)	36377	83490	43917
4"	42039	64134	46710 (8)	36377	83490	43917
6"	79898	64134	43908 (12)	62945	83491	79895
10"	47648	64134	501194 (20)	46434	83488	46428
12"	47648	64134	501194 (20)	46434	83488	46428

\*Nominal

\*\* The 4" x 3" size fitting is a 4" fitting that has been modified to fit 3" steel pipe. This fitting uses 4" tools and equipment.

\*\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17264 welding Line Stopper Fittings

Tool Name	Quantity Required	Line Stopper Unit No. 2		Line Stopper Unit No. 3
		3" H-17264	4" H-17264	6" H-17264
Drilling Machine	1	C1-36	C1-36	C1-36
Stopping Machine	2	H-17235	H-17235	H-17335
Gate Valve	2	88611	88611	83953
Valve Adapter	2	37149	37153	501224
Drilling Machine Adapter	1	36343	36343	36545
Cutter Arbor	1	88101	-	-
Cutter Hub	1	-	54526	54501
Shell Cutter	1	36463	36472	36548
Pilot Drill	1	36464	580585	580585
Solid Rubber Stopper	2	88610	88614	682365
Bottom Bypass Rubber Stopper	2	80064	81496	-
Full Bypass Rubber Stopper	2	680514	680515	682364
Bottom Stopper	2	681990	681991	681993
Completion Machine	1	H-17246	H-17246	H-17345
Plug Alignment Tool	1	83522	83522	83519
Plug Inserting Tool	1	83520	83520	83517
Plug Extracting Tool	1	83521	83521	83518
Completion Plug Wrench	1	36404	36404	36424
Inserting Bar Ext. Spacer	2	505554	79403	36991
Inserting Bar Ext. Sleeve	2	505555	79402	36992
Tool Adapter	2	-	-	37197
Retaining Screw Wrench	1	-	-	88475
Thread Cleaning Tool	1	89316	89317	89318
Inspection Flange	1	H-17619	H-17619	H-17619

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW			Line Stopper Unit No. 3SW-500			Line Stopper Unit No. 4SW
		4" x 3" H-17264	4" H-17264	6" H-17264	4" x 3" H-17264	4" H-17264	6" H-17264	10" and 12" H-17264
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	H-17342	H-17342	H-17342	H-17440
Gate Valve	2	83953	83953	83953	83721	83721	83721	83318
Valve Adapter	2	83697	83697	501224	500021	500021	63261	-
Drilling Machine Adapter	1	36545	36545	36545	83730	83730	83730	83323
Cutter Hub	1	54526	54526	54501	54526	54526	54501	682782†
Shell Cutter	1	36472	36472	36548	36472	36472	36548	682780
Pilot Drill	1	580585	580585	580585	580585	580585	580585	682781
Steel Wedge Stopper*	2	89694	89694	89696	89694	89694	89696	89704
Bottom Stopper	2	681992	681992	681994	681992	681992	681994	681997**
Completion Machine	1	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347	H-17445
Plug Alignment Tool	1	83774	83774	83250	83774	83774	83250	83250
Plug Inserting Tool	1	83772	83772	83237	83772	83772	83237	83237
Plug Extracting Tool	1	83773	83773	83238	83773	83773	83238	83238
Completion Plug Wrench	1	36404	36404	36424	36404	36404	36424	36424
Thread Cleaning Tool	1	680360	680360	89319	680360	680360	89319	89321
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with urethane cover suitable for use with gas and petroleum.

\*\*Used only on 1999 or later enhanced fittings.

† Thick Wall 12" Shell Cutter option available.

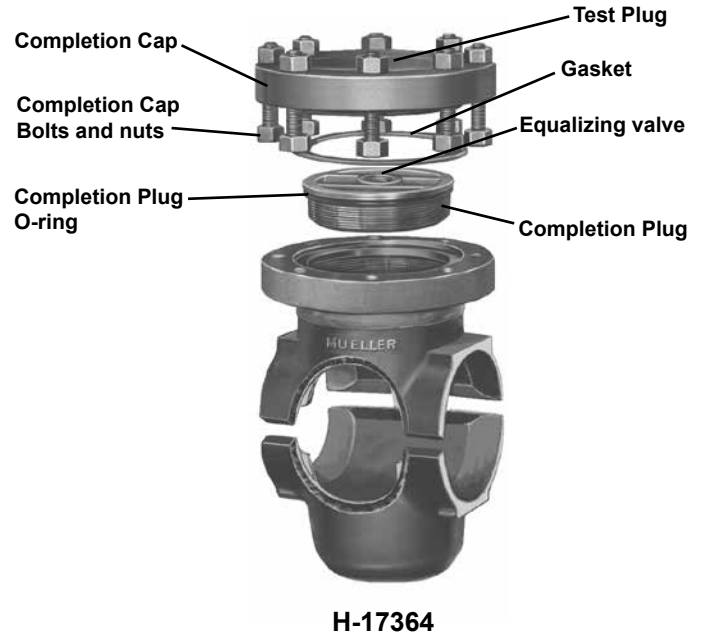
# MUELLER® SIDE AND BOTTOM-OUT STOPPER FITTING WELDING TYPE - 720 PSIG



# 11.39

Shaded area indicates change Rev. 3-08

- Catalog number – H-17364
- Sizes – 10", 12"
- For use on steel pipe only---with bottom opening sized for standard schedule 40 steel pipe
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Pipe pup included for alternative welding options.
- Class 400 flange complies with dimensional requirements of ANSI B16.5
- 720 psig\*\* (4964 kPa) maximum working pressure at 100F (38C)



## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	I.D. Size of Bottom Opening
10"	12-1/2"	10.750"	No limit	No limit	No limit	9-11/16"
12"	12-1/2"	12.750"	.375" (std.wt)	.188"	12.374"	11-5/8"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17364 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 4SW	
	H-17364	
C1-36	10" and 12"	

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal	Pipe Pup
10"	47648	64134	501194 (20)	46434	83488	46428	528756
12"	47648	64134	501194 (20)	46434	83488	46428	528760

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Rev. 12-12 Shaded area indicates changes

### Equipment required to install and stop-off H-17364 welding Line Stopper Fittings

Tool Name	Qty. Req'd.	Line Stopper Unit No. 4SW
		10" and 12" H-17364
Drilling Machine	1	C1-36
Stopping Machine	2	H-17440
Gate Valve	2	83318
Drilling Machine Adapter	1	83323
Cutter Hub	1	682782†
Shell Cutter		682780
Pilot Drill	1	682781
Steel Wedge Stopper*	2	89704
Bottom Stopper	2	681997**
Completion Machine	1	H-17445
Plug Alignment Tool	1	83250
Plug Inserting Tool	1	83237
Plug Extracting Tool	1	83238
Completion Plug Wrench	1	36424
Thread Cleaning Tool	1	89321
Inspection Flange	1	H-17619

\*Steel Wedge Stopper with urethane cover suitable for use with gas and petroleum.

\*\*Used only on 1999 or later enhanced fittings.

† Thick Wall 12" Shell Cutter option available.



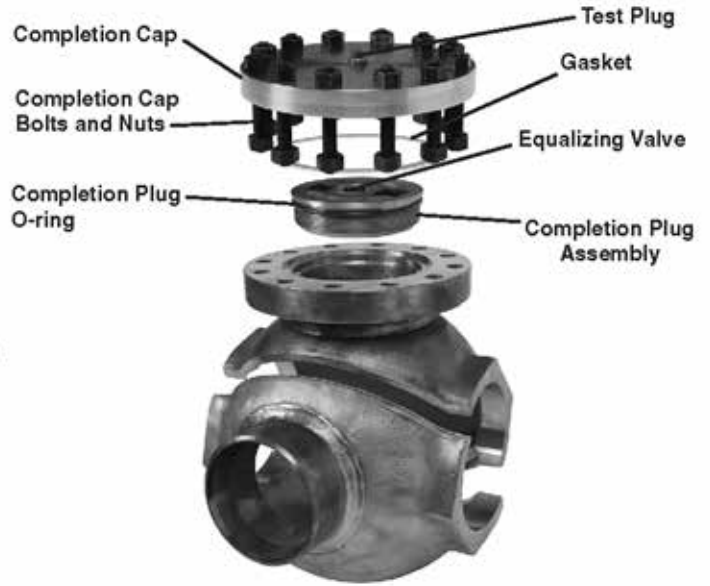
# MUELLER® SPHERICAL LINE STOPPER FITTING WELDING TYPE - 985 PSIG



# 11.41

Shaded area indicates change Rev. 7-17

- Catalog number – H-17464
- Sizes – 10", 12"
- For use on steel pipe only---with outlet sized for standard schedule 40 steel pipe
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Class 400 flange complies with dimensional requirements of ANSI B16.5
- 985 psig\*\* (6791 kpa) maximum working pressure at 100F (38C)



**H-17464**

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	Inside Diameter of Outlet
10"	12-1/2"	10.750"	No limit	No limit	No limit	9.687"
12"	12-1/2"	12.750"	.375"	.188"	12.374"	11.625"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17364 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 4SW	
	H-17464	
	10" and 12"	
C1-36		

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
10"	47648	64134	501194 (20)	46434	83488	46428
12"	47648	64134	501194 (20)	46434	83488	46428

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Rev. 12-12 Shaded area indicates changes

### Equipment required to install and stop-off H-17364 welding Line Stopper Fittings

Tool Name	Quantity Required	Line Stopper Unit No. 4SW	
		10" H-17464	12" H-17464
Drilling Machine	1	C1-36	C1-36
Stopping Machine	2	H-17440	H-17440
Gate Valve	2	83318	83318
Drilling Machine Adapter	1	83323	83323
Cutter Hub	1	682782†	682782†
Shell Cutter	1	682780	682780
Pilot Drill	1	682781	682781
Steel Wedge Stopper	2	89704	89704
Bottom Stopper	2	681997*,**	681997**
Completion Machine	1	H-17445	H-17445
Plug Alignment Tool	1	83250	83250
Plug Inserting Tool	1	83237	83237
Plug Extracting Tool	1	83238	83238
Completion Plug Wrench	1	36424	36424
Thread Cleaning Tool	1	89321	89321
Inspection Flange	1	H-17619	H-17619

\*10" fitting requires a new seat retainer (537305) to Bottom Stopper.

\*\*Requires modified clamp bar

††† Thick Wall 12" Shell Cutter option available.

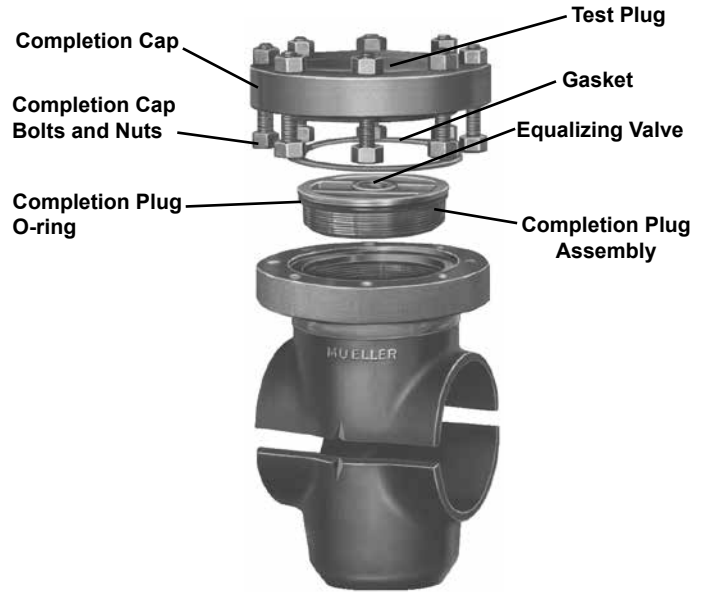
# MUELLER® BOTTOM-OUT STOPPER FITTING WELDING TYPE - 1440 PSIG



# 11.43

Shaded area indicates change Rev. 2-16

- Catalog number – H-17269
- Sizes – 4"x3", 4", 8"
- For use on steel pipe only---with bottom opening sized for standard schedule 40 steel pipe
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Class 600 flange complies with dimensional requirements of ANSI B16.5
- 1440 psig\*\* (9928 kPa) maximum working pressure at 100F (38C)



**H-17269**

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	I.D. Size of Bottom Opening
4"x3"	4-1/4"	3.500"	No limit	No limit	No limit	4-1/32"
4"	4-1/4"	4.500"	No limit	.188"	4.124"	4-1/32"
8"	8-1/4"	8.625"	.406" (sch.60)	.250"	8.125"	8" (sch. 40)

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17269 Fittings

Drilling Machine	Line Stopper Units			
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500
	H-17269			
C1-36	4"x3", 4"	8"	4"x3", 4" and 8"	4"x3", 4" and 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
4"x3"	46708	64134	43908 (8)	36377	83490	43917
4"	46708	64134	43908 (8)	36377	83490	43917
8"	79906	64134	501193 (12)	63057	682233	79020

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17269 welding Line Stopper Fittings

Tool Name	Quantity Required	Line Stopper Unit No. 2		Line Stopper Unit No. 3
		4"x3" H-17269	4" H-17269	8" H-17269
Drilling Machine	1	C1-36	C1-36	C1-36
Stopping Machine	2	H-17235	H-17235	H-17335
Gate Valve	2	88611	88611	83953
Valve Adapter	2	83164	83164	502290
Drilling Machine Adapter	1	36343	36343	36545
Cutter Hub	1	54526	54526	54653
Shell Cutter	1	36472	36472	36521
Pilot Drill	1	580585	580585	580586
Solid Rubber Stopper	2	88614	88614	88699
Bottom Bypass Rubber Stopper	2	81496	81496	83556
Full Bypass Rubber Stopper	2	680515	680515	680517
Bottom Stopper	2	681991	681991	681995
Completion Machine	1	H-17246	H-17246	H-17345
Plug Alignment Tool	1	83522	83522	83519
Plug Inserting Tool	1	83520	83520	83517
Plug Extracting Tool	1	83521	83521	83518
Completion Plug Wrench	1	36404	36404	36424
Inserting Bar Ext. Spacer	2	79403	79403	36991
Inserting Bar Ext. Sleeve	2	79402	79402	36992
Tool Adapter	2	37197	37197	37197
Retaining Screw Wrench	1	-	-	88475
Thread Cleaning Tool	1	89317	89317	89318
Inspection Flange	1	H-17619	H-17619	H-17619

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW			Line Stopper Unit No. 3SW-500	
		4"x3" H-17269	4" H-17269	8" H-17269	4" H-17269	8" H-17269
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	H-17342	H-17342
Gate Valve	2	83953	83953	83953	83721	83721
Valve Adapter	2	83775	83775	502290	501982	63381
Drilling Machine Adapter	1	36545	36545	36545	83730	83730
Cutter Hub	1	54526	54526	54653	54526	54653
Shell Cutter	1	36472	36472	36521	36472	36521
Pilot Drill	1	580585	580585	580586	580585	580586
Steel Wedge Stopper*	2	89694	89694	89698	89694	89698
Bottom Stopper	2	681992	681992	681996	681992	681996
Completion Machine	1	H-17346	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83774	83774	83250	83774	83250
Plug Inserting Tool	1	83772	83772	83237	83772	83237
Plug Extracting Tool	1	83773	83773	83238	83773	83238
Completion Plug Wrench	1	36404	36404	36424	36404	36424
Thread Cleaning Tool	1	680360	680360	89319	680360	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with polyurethane cover suitable for use with gas and petroleum.

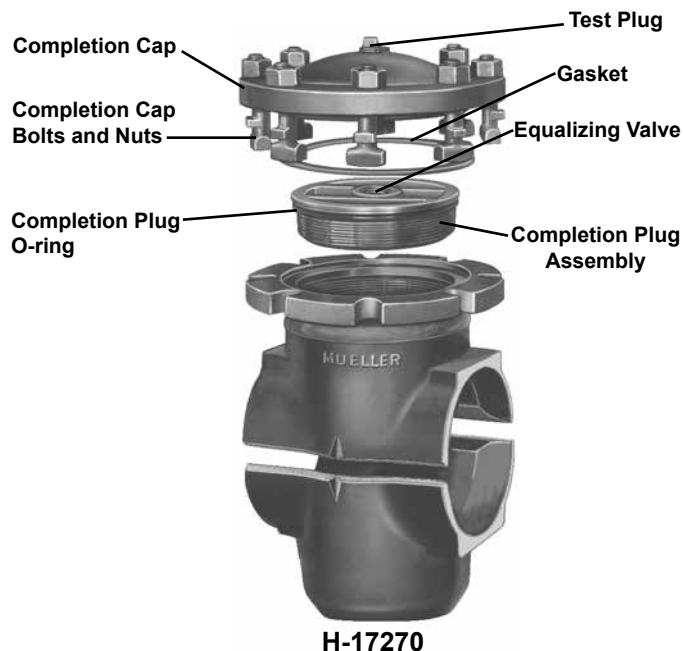
# MUELLER® BOTTOM-OUT STOPPER FITTING WELDING TYPE - 275 PSIG



# 11.45

Shaded area indicates change Rev. 7-17

- Catalog number – H-17270
- Sizes – 3", 4", 6", 8", 10", 12"
- For use on steel pipe only---bottom opening is sized for thin wall steel pipe
- O-ring sealed cast iron (ASTM A126 CL.B) Completion Plug with equalizing valve
- Completion Cap (ASTM A126 CL.B)
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Class 150 flange complies with dimensional requirements of ANSI B16.5
- 275 psig\*\* (1896 kPa) maximum working pressure at 100F (38C)



## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	I.D. Size of Bottom Opening
3"	3-1/4"	3.500"	No limit	.188"	3.124"	3.188"
4"	4-1/4"	4.500"	No limit	.188"	4.124"	4.188"
6"	6-1/4"	6.625"	.432" (sch. 80)	.250"	6.125"	6.25"
8"	8-1/4"	8.625"	.406" (sch. 60)	.250"	8.125"	8.843"
10"	12-1/2"	10.750"	No limit	No limit	No limit	10.25"
12"	12-1/2"	12.750"	.375"	.188"	12.374"	10.25"
12"x12"	12-1/2"	12.750"	.375"	.188"	12.374"	12.25"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17270 Fittings

Drilling Machine	Line Stopper Units				
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500	Unit No. 4SW
	H-17270				
C1-36	3" and 4"	6" and 8"	4", 6" and 8"	4" x 3", 4", 6" & 8"	10" and 12"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
3"	36590	64134	503708 (6)	43959	83484	43922
4"	36592	64134	36446 (8)	36377	83485	43917
6"	36609	64134	36446 (8)	62945	83487	79895
8"	36625	64134	503709 (8)	63094	83493	79020
10"	61867	64134	52056 (12) nut 90230 (12) bolt	46434	83560	46428
12"	61867	64134	52056 (12) nut 90230 (12) bolt	46434	83560	46428

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Rev. 12-12 Shaded area indicates changes

### Equipment required to install and stop-off H-17270 welding Line Stopper Fittings

Tool Name	Quantity Required	Line Stopper Unit No. 2		Line Stopper Unit No. 3	
		3" H-17270	4" H-17270	6" H-17270	8" H-17270
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17235	H-17235	H-17335	H-17335
Gate Valve	2	88611	88611	83953	83953
Valve Adapter	2	36461	-	501223	-
Drilling Machine Adapter	1	36343	36343	36545	36545
Cutter Arbor	1	88101	-	-	-
Cutter Hub	1	-	54526	54501	54653
Shell Cutter	1	36463	36472	36548	36521
Pilot Drill	1	36464	580585	580585	580586
Solid Rubber Stopper	2	88610	88614	682365	88699
Bottom Bypass Rubber Stopper	2	80064	81496	-	83556
Full Bypass Rubber Stopper	2	680514	680515	682364	680517
Bottom Stopper	2	681990	681991	681993	681995
Completion Machine	1	H-17246	H-17246	H-17345	H-17345
Plug Alignment Tool	1	83522	83522	83519	83519
Plug Inserting Tool	1	83520	83520	83517	83517
Plug Extracting Tool	1	83521	83521	83518	83518
Completion Plug Wrench	1	36404	36404	36424	36424
Inserting Bar Ext. Spacer	2	505554	-	-	-
Inserting Bar Ext. Sleeve	2	505555	-	-	-
Tool Adapter	2	-	-	37197	37197
Retaining Screw Wrench	1	-	-	88475	88475
Thread Cleaning Tool	1	89316	89317	89318	89318
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

Tool Name	Qty. Req'd.	Line Stopper Unit 3SW			Line Stopper Unit 3SW-500			Line Stopper Unit 4SW
		4" H-17270	6" H-17270	8" H-17270	4" H-17270	6" H-17270	8" H-17270	10" and 12" H-17270
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	H-17342	H-17342	H-17342	H-17440
Gate Valve	2	83953	83953	83953	83721	83721	83721	83565 or 83318†
Valve Adapter	2	83513	501223	-	501361	63205	63193	681528***
Drilling Machine Adapter	1	36545	36545	36545	83730	83730	83730	83323
Cutter Hub	1	54526	54501	54653	54526	54501	54653	682782†††
Shell Cutter	1	36472	36548	36521	36472	36548	36521	682780
Pilot Drill	1	580585	580585	580586	580585	580585	580586	682781
Steel Wedge Stopper*	2	89694	89696	89698	89694	89696	89698	89704
Bottom Stopper	2	681992	681994	681996	681992	681994	681996	681997**
Completion Machine	1	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347	H-17445
Plug Alignment Tool	1	83774	83250	83250	83774	83250	83250	83250
Plug Inserting Tool	1	83772	83237	83237	83772	83237	83237	83237
Plug Extracting Tool	1	83773	83238	83238	83773	83238	83238	83238
Completion Plug Wrench	1	36404	36424	36424	36404	36424	36424	36424
Thread Cleaning Tool	1	680360	89319	89319	680360	89319	89319	89321
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with urethane cover suitable for use with gas and petroleum.

\*\*Used only on 1999 or later enhanced fittings.

\*\*\* Used with Gate Valve 83318.

† The 83565 Gate Valve has a maximum working pressure of 275 psig and the 83318 Gate Valve has a maximum working pressure of 500 psig.

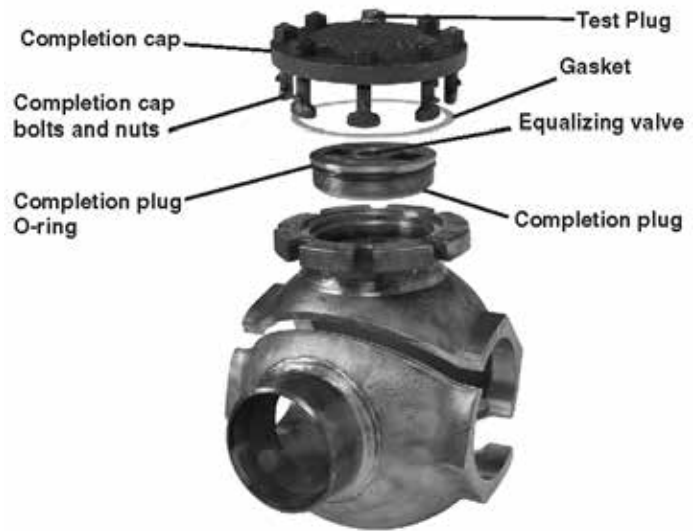
# MUELLER® SPHERICAL LINE STOPPER FITTING WELDING TYPE - 285 PSIG



# 11.47

Shaded area indicates change Rev. 7-17

- Catalog number – H-17470
- Sizes – 4"x3", 4", 6", 8"
- For use on steel pipe only - with outlet sized for thin wall steel pipe
- O-ring sealed cast iron (ASTM A126 CL.B) Completion Plug with equalizing valve
- Completion Cap (ASTM A126 CL.B)
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Class 150 flange complies with dimensional requirements of ANSI B16.5
- 285 psig\*\* (1965 kpa) maximum working pressure at 100F (38C)



**H-17470**

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	Inside Diameter of Outlet
4"x3"	4-1/4"	3.50"	No limit	No limit	No limit	4.031"
4"	4-1/4"	4.500"	No limit	.188"	4.124"	4.031"
6"	6-1/4"	6.625"	.432" (sch. 80)	.250"	6.125"	6.25"
8"	8-1/4"	8.625"	.406" (sch. 60)	.250"	8.125"	8.843"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17270 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H-17470	
C1-36	4"x3", 4", 6" and 8"	4" x 3", 4", 6", & 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
4"x3"	36592	64134	36731 (8)	36377	83485	43917
4"	36592	64134	36731 (8)	36377	83485	43917
6"	36609	64134	36446 (8)	62945	682702	79477
8"	36625	64134	503709 (8)	63094	682703	63359

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Equipment required to install and stop-off H-17470 welding Line Stopping Fittings

Tool Name	Quantity Required	Line Stopper Unit No. 3SW			Line Stopper Unit No. 3SW-500		
		4" & 4"x3" H-17470	6" H-17470	8" H-17470	4" & 4"x3" H-17470	6" H-17470	8" H-17370
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	H-17342	H-17342	H-17342
Gate Valve	2	83953	83953	83953	83721	83721	83721
Valve Adapter	2	83513	501223	-	501361	63205	63193 **
Drilling Machine Adapter	1	36545	36545	36545	83730	83730	83730
Cutter Hub	1	54526	54501	54653	54526	54501	54653
Shell Cutter	1	36472	36548	36521	36472	36548	36521
Pilot Drill	1	580585	580585	580586	580585	580585	580586
Steel Wedge Stopper	2	89694	89696	89698	89694	89696	89698
Bottom Stopper	2	681992	681994	681996	681992	681994 **	681996
Completion Machine	1	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347
Plug Alignment Tool	1	83774	83250	83250	83774	83250	83250
Plug Inserting Tool	1	83772	83237	83237	83772	83237	83237
Plug Extracting Tool	1	83773	83238	83238	83773	83238	83238
Completion Plug Wrench	1	36404	36424	36424	36404	36424	36424
Thread Cleaning Tool	1	680360	89319	89319	680360	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\* For bottom stop use valve adapter 682686 instead of listed valve adapter

\*\* Requires the modified clamp to be installed on 3SW500 stopping machine



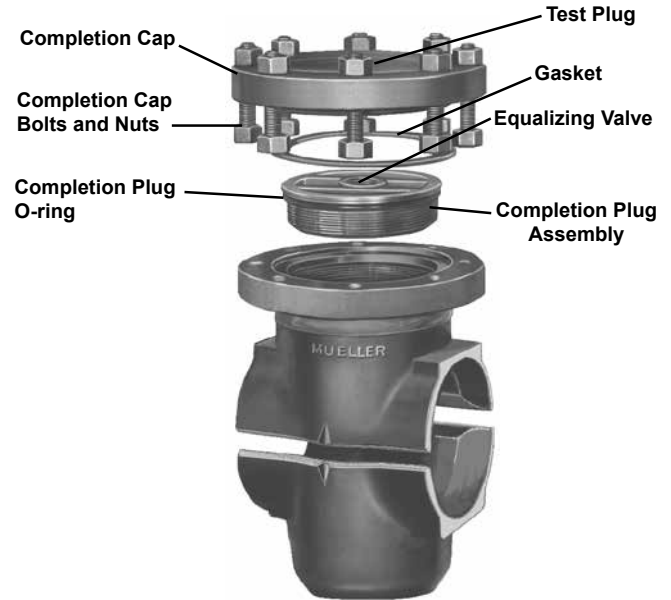
# MUELLER® BOTTOM-OUT STOPPER FITTING WELDING TYPE - 720 PSIG



# 11.49

Shaded area indicates change Rev. 7-17

- Catalog number – H-17271
- Sizes – 4", 6", 8"
- For use on steel pipe only - with outlet sized for thin wall steel pipe
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Class 300 flange complies with dimensional requirements of ANSI B16.5
- 720 psig\*\* (4964 kPa) maximum working pressure at 100F (38C)



H-17271

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	I.D. Size of Bottom Opening
4"	4-1/4"	4.500"	No limit	.188"	4.124"	4-3/16"
6"	6-1/4"	6.625"	.432" (sch. 80)	.250"	6.125"	6-1/4"
8"	8-1/4"	8.625"	.406" (sch. 60)	.250"	8.125"	8-7/32"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17271 Fittings

Drilling Machine	Line Stopper Units			
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500
	H-17271			
C1-36	4"	6" and 8"	4", 6" and 8"	4", 6" and 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
4"	64204	64134	43911 (8)	36377	83490	43917
6"	64205	64134	500894 (12)	62945	83491	79895
8"	64206	64134	43908 (12)	63057	83492	79020

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17271 welding Line Stopper Fittings

Tool Name	Quantity Required	Line Stopper Unit No. 2		Line Stopper Unit No. 3	
		4" H-17271	6" H-17271	8" H-17271	8" H-17271
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17235	H-17335	H-17335	H-17335
Gate Valve	2	88611	83953	83953	83953
Valve Adapter	2	37153	501224	502289	502289
Drilling Machine Adapter	1	36343	36545	36545	36545
Cutter Hub	1	54526	54501	54653	54653
Shell Cutter	1	36472	36548	36521	36521
Pilot Drill	1	580585	580585	580586	580586
Solid Rubber Stopper	2	88614	682365	88699	88699
Bottom Bypass Rubber Stopper	2	81496	-	83556	83556
Full Bypass Rubber Stopper	2	680515	682364	680517	680517
Bottom Stopper	2	681991	681993	681995	681995
Completion Machine	1	H-17246	H-17345	H-17345	H-17345
Plug Alignment Tool	1	83522	83519	83519	83519
Plug Inserting Tool	1	83520	83517	83517	83517
Plug Extracting Tool	1	83521	83518	83518	83518
Completion Plug Wrench	1	36404	36424	36424	36424
Inserting Bar Ext. Spacer	2	79403	36991	36991	36991
Inserting Bar Ext. Sleeve	2	79402	36992	36992	36992
Tool Adapter	2	-	37197	37197	37197
Retaining Screw Wrench	1	-	88475	88475	88475
Thread Cleaning Tool	1	89317	89318	89318	89318
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW			Line Stopper Unit No. 3SW-500		
		4" H-17271	6" H-17271	8" H-17271	4" H-17271	6" H-17271	8" H-17271
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	H-17342	H-17342	H-17342
Gate Valve	2	83953	83953	83953	83721	83721	83721
Valve Adapter	2	83697	501224	502289	500021	63261	-
Drilling Machine Adapter	1	36545	36545	36545	83730	83730	83730
Cutter Hub	1	54526	54501	54653	54526	54501	54653
Shell Cutter	1	36472	36548	36521	36472	36548	36521
Pilot Drill	1	580585	580585	580586	580585	580585	580586
Steel Wedge Stopper*	2	89694	89696	89698	89694	89696	89698
Bottom Stopper	2	681992	681994	681996	681992	681994	681996
Completion Machine	1	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347
Plug Alignment Tool	1	83774	83250	83250	83774	83250	83250
Plug Inserting Tool	1	83772	83237	83237	83772	83237	83237
Plug Extracting Tool	1	83773	83238	83238	83773	83238	83238
Completion Plug Wrench	1	36404	36424	36424	36404	36424	36424
Thread Cleaning Tool	1	680360	89319	89319	680360	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with polyurethane cover suitable for use with gas and petroleum.

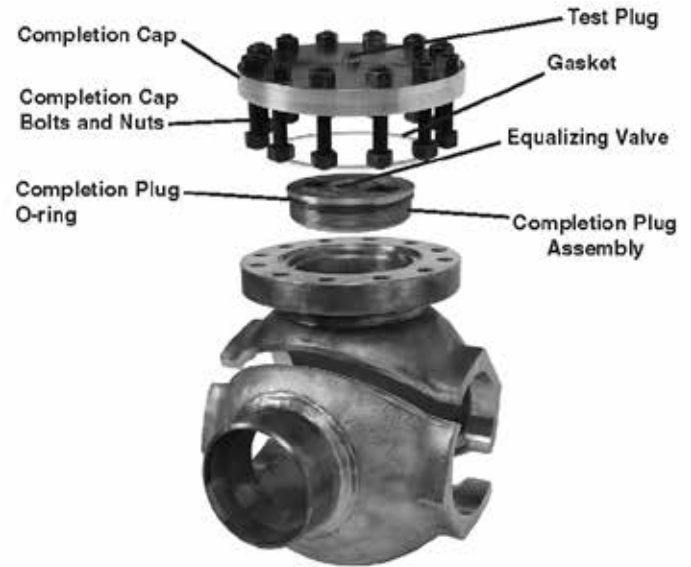
# MUELLER® SPHERICAL LINE STOPPER FITTING WELDING TYPE - 740 PSIG



# 11.51

Shaded area indicates change Rev. 7-17

- Catalog number – H-17471
- Sizes – 4x3", 4", 6", 8"
- For use on steel pipe only - with outlet sized for thin wall steel pipe
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Class 300 flange complies with dimensional requirements of ANSI B16.5
- 740 psig\*\* (5102 kPa) maximum working pressure at 100F (38C)



**H-17471**

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	Inside Diameter of Outlet
4"x3"	4-1/4"	3.50"	No limit	No limit	No limit	4.031"
4"	4-1/4"	4.500"	No limit	.188"	4.124"	4.031"
6"	6-1/4"	6.625"	.432" (sch. 80)	.250"	6.125"	6.25"
8"	8-1/4"	8.625"	.406" (sch. 60)	.250"	8.125"	8.843"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17271 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H-17471	
C1-36	4"x3", 4", 6" and 8"	4"x3", 4", 6" and 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
4"x3"	64204	64134	43911 (8)	36377	83490	43917
4"	64204	64134	43911 (8)	36377	83490	43917
6"	64205	64134	500894 (12)	62945	682704	79477
8"	64206	64134	43908 (12)	63057	682705	63359

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

**Equipment required to install and stop-off H-17471 welding Line Stopping Fittings**

Tool Name	Quantity Required	Line Stopper Unit No. 3SW			Line Stopper Unit No. 3SW-500		
		4" & 4"x3" H-17471	6" H-17471	8" H-17471	4" & 4"x3" H-17471	6" H-17471	8" H-17371
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	H-17342	H-17342	H-17342
Gate Valve	2	83953	83953	83953	83721	83721	83721
Valve Adapter	2	83513	501223	-	501361	63205	63193 **
Drilling Machine Adapter	1	36545	36545	36545	83730	83730	83730
Cutter Hub	1	54526	54501	54653	54526	54501	54653
Shell Cutter	1	36472	36548	36521	36472	36548	36521
Pilot Drill	1	580585	580585	580586	580585	580585	580586
Steel Wedge Stopper	2	89694	89696	89698	89694	89696	89698
Bottom Stopper	2	681992	681994	681996	681992	681994 **	681996
Completion Machine	1	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347
Plug Alignment Tool	1	83774	83250	83250	83774	83250	83250
Plug Inserting Tool	1	83772	83237	83237	83772	83237	83237
Plug Extracting Tool	1	83773	83238	83238	83773	83238	83238
Completion Plug Wrench	1	36404	36424	36424	36404	36424	36424
Thread Cleaning Tool	1	680360	89319	89319	680360	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\* For bottom stop use valve adapter 682686 instead of listed valve adapter

\*\* Requires the modified clamp to be installed on 3SW500 stopping machine

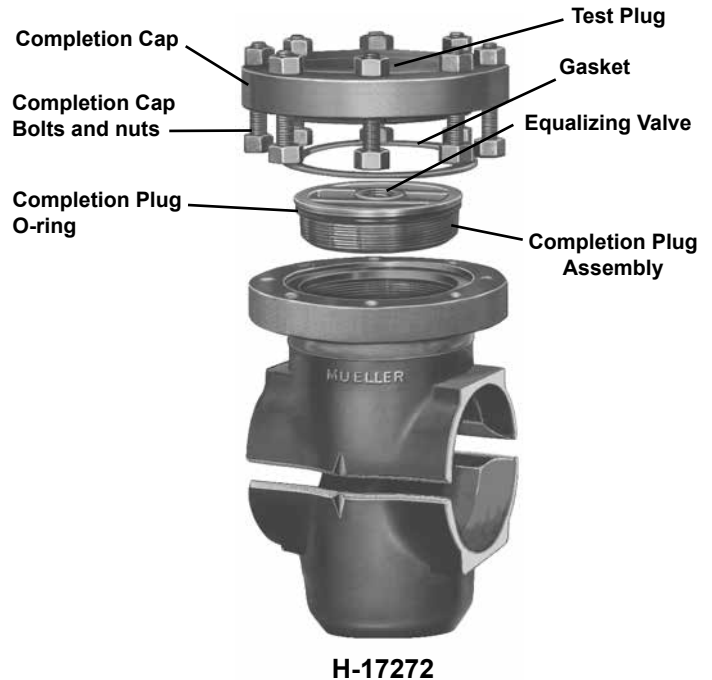
# MUELLER® BOTTOM-OUT STOPPER FITTING WELDING TYPE - 960 PSIG



# 11.53

Shaded area indicates change Rev. 2-16

- Catalog number – H-17272
- Sizes – 4"
- For use on steel pipe only---with bottom opening sized for thin wall steel pipe
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Class 400 flange complies with dimensional requirements of ANSI B16.5
- 960 psig\*\* (6618 kPa) maximum working pressure at 100F (38C)



## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	I.D. Size of Bottom Opening
4"	4-1/4"	4.500"	No limit	.188"	4.124"	4.188"

## Drilling /Line Stopping Machine combinations that can be used to install and stop-off H-17272 Fittings

Drilling Machine	Line Stopper Units		
	Unit No. 2	Unit No. 3SW	Unit No. 3SW-500
	H-17272		
C1-36	4"	4"	4"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
4"	42039	64134	46710 (8)	36377	52688	43917

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17272 welding Line Stopper Fitting

Tool Name	Quantity Required	Line Stopper Unit No. 2
		4" H-17272
Drilling Machine	1	C1-36
Stopping Machine	2	H-17235
Gate Valve	2	88611
Valve Adapter	2	37153
Drilling Machine Adapter	1	36343
Cutter Hub	1	54526
Shell Cutter	1	36472
Pilot Drill	1	580585
Solid Rubber Stopper	2	88614
Bottom Bypass Rubber Stopper	2	81496
Full Bypass Rubber Stopper	2	680515
Bottom Stopper	2	681991
Completion Machine	1	H-17246
Plug Alignment Tool	1	83522
Plug Inserting Tool	1	83520
Plug Extracting Tool	1	83521
Completion Plug Wrench	1	36404
Inserting Bar Ext. Spacer	2	79403
Inserting Bar Ext. Sleeve	2	79402
Tool Adapter	2	-
Retaining Screw Wrench	1	-
Thread Cleaning Tool	1	89317
Inspection Flange	1	H-17619

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW	Line Stopper Unit No. 3SW-500
		4" H-17272	4" H-17272
Drilling Machine	1	C1-36	C1-36
Stopping Machine	2	H-17340	H-17342
Gate Valve	2	83953	83721
Valve Adapter	2	83697	500021
Drilling Machine Adapter	1	36545	83730
Cutter Hub	1	54526	54526
Shell Cutter	1	36472	36472
Pilot Drill	1	580585	580585
Steel Wedge Stopper*	2	89694	89694
Bottom Stopper	2	681992	681992
Completion Machine	1	H-17346	H-17347
Plug Alignment Tool	1	83774	83774
Plug Inserting Tool	1	83772	83772
Plug Extracting Tool	1	83773	83773
Completion Plug Wrench	1	36404	36404
Thread Cleaning Tool	1	680360	680360
Inspection Flange	1	H-17619	H-17619

\*Steel Wedge Stopper with polyurethane cover suitable for use with gas and petroleum.

††† ( ) indicates full Bypass rubber plug.

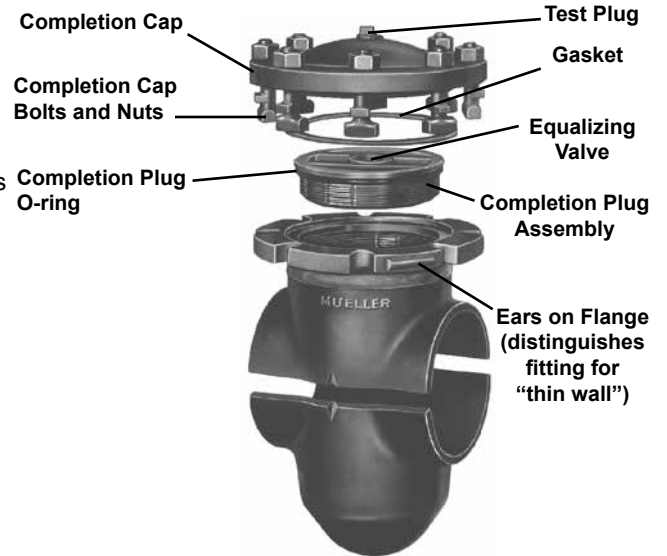
# MUELLER® LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE - 275 PSIG



# 11.55

Shaded area indicates change Rev. 2-16

- Catalog number – H-17275
- Sizes – 6"x4", 6", 8"
- For use on thin wall steel pipe
- Fittings for Thin Wall Steel Pipe can be recognized by added ears on flange, red paint and "THIN WALL" cast in plug.
- O-ring sealed cast iron (ASTM A126 CL.B) Completion Plug with equalizing valve
- Completion Cap cast iron (ASTM A126 CL.B)
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Class 150 flange complies with dimensional requirements of ANSI B16.5
- 275 psig\*\* (1896 kPa) maximum working pressure at 100F (38C)



**H-17275**

## Pipe Dimension

Size of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
6"x4"	6-1/2"	4.50"	No limit	No limit	No limit
6"	6-1/2"	6.625"	.280" (sch. 40)	.125"	6.375"
8"	8-1/2"	8.625"	.322" (sch. 40)	.125"	8.375"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17275 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H-17275	
C1-36	6"x4", 6" & 8"	6"x4", 6" & 8"

## Replacement Parts

Fitting Size	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
6"x4"	36609	64134	36446 (8)	62945	83703	79477
6"	36609	64134	36446 (8)	62945	83703	79477
8"	36625	64134	503709 (8)	63094	83709	63359

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Rev. 2-16 Shaded area indicates changes

### Equipment required to install and stop-off H-17275 welding Line Stopper Fitting

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW		Line Stopper Unit No. 3SW-500	
		6" & 6"x4" H-17275	8" H-17275	6" & 6"x4" H-17275	8" H-17275
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17342	H-17342
Gate Valve	2	83953	83953	83721	83721
Valve Adapter	2	501223	-	63205	63193
Drilling Machine Adapter	1	36545	36545	83730	83730
Cutter Hub	1	83760	83762	83760	83762
Shell Cutter	1	63146	63115	63146	63115
Pilot Drill	1	83639	83675	83639	83675
Steel Wedge Stopper*	2	89700	89702	89700	89702
Completion Machine	1	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83250	83250	83250	83250
Plug Inserting Tool	1	83237	83237	83237	83237
Plug Extracting Tool	1	83238	83238	83238	83238
Completion Plug Wrench	1	36424	36424	36424	36424
Thread Cleaning Tool	1	89319	89319	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with urethane cover suitable for use with gas and petroleum.



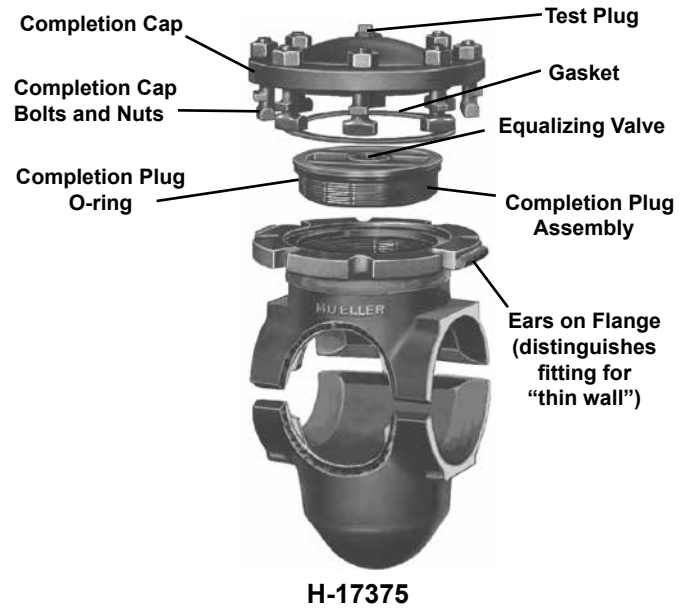
# MUELLER® SIDE-OUT LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE - 275 PSIG



# 11.57

Shaded area indicates change Rev. 12-12

- Catalog number – H-17375
- Sizes – 6", 8"
- For use on thin wall steel pipe
- Fittings for Thin Wall Steel Pipe can be recognized by added ears on flange, red paint and "THIN WALL" cast in plug.
- O-ring sealed cast iron (ASTM A126 CL.B) Completion Plug with equalizing valve
- Completion Cap cast iron (ASTM A126 CL.B)
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Pipe pup included for alternative welding options.
- Class 150 flange complies with dimensional requirements of ANSI B16.5
- 275 psig\*\* (1896 kPa) maximum working pressure at 100F (38C)



## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
6"	6-1/2"	6.625"	.280" (sch. 40)	.125"	6.375"
8"	8-1/2"	8.625"	.322" (sch. 40)	.125"	8.375"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17375 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H-17375	
C1-36	6", 6"x4" & 8"	6", 6"x4" & 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal	Pipe Pup
6"	36609	64134	36446 (8)	62945	83703	79477	528752
8"	36625	64134	503709 (8)	63094	83709	63359	528756

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17375 welding Line Stopper Fitting

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW		Line Stopper Unit No. 3SW-500	
		6" H-17375	8" H-17375	6" H-17375	8" H-17375
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17342	H-17342
Gate Valve	2	83953	83953	83721	83721
Valve Adapter	2	501223	-	63205	63193
Drilling Machine Adapter	1	36545	36545	83730	83730
Cutter Hub	1	83760	83762	83760	83762
Shell Cutter	1	63146	63115	63146	63115
Pilot Drill	1	83639	83675	83639	83675
Steel Wedge Stopper*	2	89700	89702	89700	89702
Completion Machine	1	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83250	83250	83250	83250
Plug Inserting Tool	1	83237	83237	83237	83237
Plug Extracting Tool	1	83238	83238	83238	83238
Completion Plug Wrench	1	36424	36424	36424	36424
Thread Cleaning Tool	1	89319	89319	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with urethane cover suitable for use with gas and petroleum.

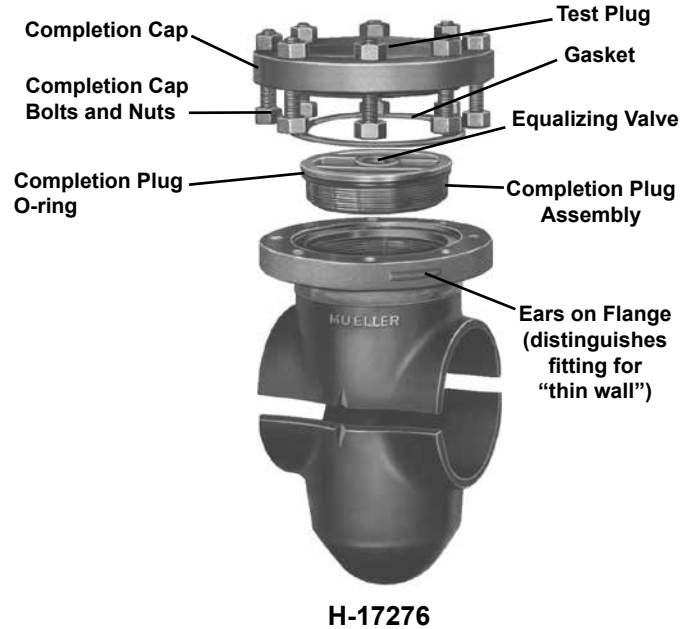
# MUELLER® LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE - 720 PSIG



# 11.59

Shaded area indicates change Rev. 3-16

- Catalog number – H-17276
- Sizes – 6"x4", 6", 8"
- For use on thin wall steel pipe
- Fittings for Thin Wall Steel Pipe can be recognized by added ears on flange, red paint and "THIN WALL" cast in plug.
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Class 300 flange complies with dimensional requirements of ANSI B16.5
- 720 psig\*\* (4964 kPa) maximum working pressure at 100F (38C)



## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
6"x4"	6-1/2"	4.50"	No limit	No limit	No limit
6"	6-1/2"	6.625"	.280" (sch. 40)	.125"	6.375"
8"	8-1/2"	8.625"	.322" (sch. 40)	.125"	8.375"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17276 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H-17276	
C1-36	6", 6"x4" & 8"	6", 6"x4" & 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
6"x4"	64205	64134	500894 (12)	62945	83705	79477
6"	64205	64134	500894 (12)	62945	83705	79477
8"	64206	64134	43908 (12)	63057	83711	63359

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Rev. 2-16 Shaded area indicates changes

### Equipment required to install and stop-off H-17276 welding Line Stopper Fitting

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW		Line Stopper Unit No. 3SW-500	
		6" & 6"x4" H-17276	8" H-17276	6" & 6"x4" H-17276	8" H-17276
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17342	H-17342
Gate Valve	2	83953	83953	83721	83721
Valve Adapter	2	501224	502289	63261	-
Drilling Machine Adapter	1	36545	36545	83730	83730
Cutter Hub	1	83760	83762	83760	83762
Shell Cutter	1	63146	63115	63146	63115
Pilot Drill	1	83639	83675	83639	83675
Steel Wedge Stopper*	2	89700	89702	89700	89702
Completion Machine	1	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83250	83250	83250	83250
Plug Inserting Tool	1	83237	83237	83237	83237
Plug Extracting Tool	1	83238	83238	83238	83238
Completion Plug Wrench	1	36424	36424	36424	36424
Thread Cleaning Tool	1	89319	89319	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with urethane cover suitable for use with gas and petroleum.

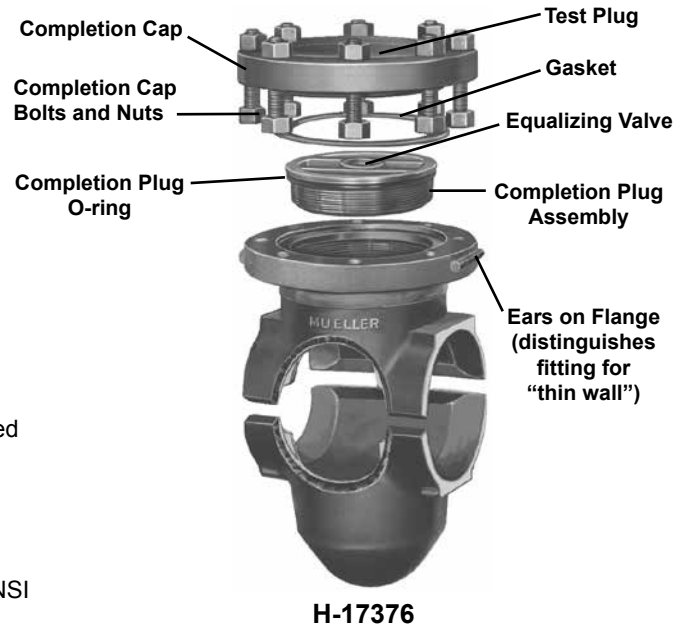
# MUELLER® SIDE-OUT LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE - 720 PSIG



# 11.61

Shaded area indicates change Rev. 2-16

- Catalog number – H-17376
- Catalog number – 1737600 - prepped for 6" TW pipe
- Sizes – 6", 8"
- For use on thin wall steel pipe
- Fittings for Thin Wall Steel Pipe can be recognized by added ears on flange, red paint and "THIN WALL" cast in plug.
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Pipe pup included for alternative welding options.
- Class 300 flange complies with dimensional requirements of ANSI B16.5
- 720 psig\*\* (4964 kPa) maximum working pressure at 100F (38C)



## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
6"	6-1/2"	6.625"	.280" (sch. 40)	.125"	6.375"
8"	8-1/2"	8.625"	.322" (sch. 40)	.125"	8.375"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17376 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H-17376	
C1-36	6" and 8"	6" and 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal	Pipe Pup
6"	64205	64134	500894 (12)	62945	83705	79477	528752
8"	64206	64134	43908 (12)	63057	83711	63359	528756

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17376 welding Line Stopper Fitting

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW		Line Stopper Unit No. 3SW-500	
		6" H-17376	8" H-17376	6" H-17376	8" H-17376
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17342	H-17342
Gate Valve	2	83953	83953	83721	83721
Valve Adapter	2	501224	502289	63261	-
Drilling Machine Adapter	1	36545	36545	83730	83730
Cutter Hub	1	83760	83762	83760	83762
Shell Cutter	1	63146	63115	63146	63115
Pilot Drill	1	83639	83675	83639	83675
Steel Wedge Stopper*	2	89700	89702	89700	89702
Completion Machine	1	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83250	83250	83250	83250
Plug Inserting Tool	1	83237	83237	83237	83237
Plug Extracting Tool	1	83238	83238	83238	83238
Completion Plug Wrench	1	36424	36424	36424	36424
Thread Cleaning Tool	1	89319	89319	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with polyurethane cover suitable for use with gas and petroleum.

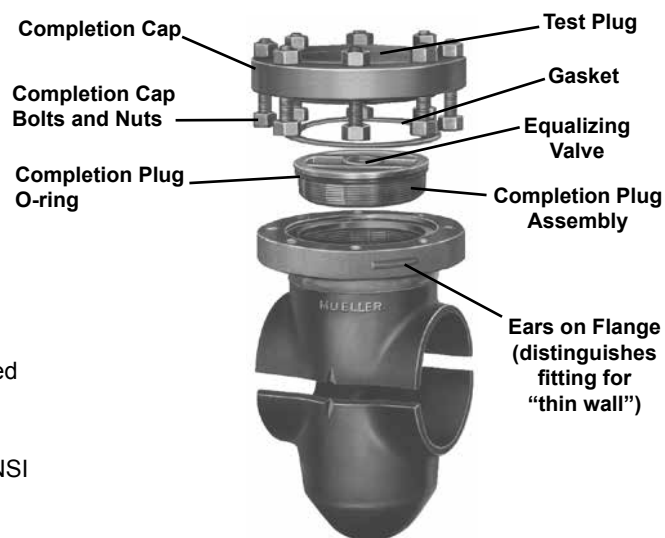
# MUELLER® LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE - 960 PSIG



# 11.63

Shaded area indicates change Rev. 2-16

- Catalog number – H-17277
- Sizes – 6", 6"x4", 8"
- For use on thin wall steel pipe
- Fittings for Thin Wall Steel Pipe can be recognized by added ears on flange, red paint and "THIN WALL" cast in plug.
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Class 400 flange complies with dimensional requirements of ANSI B16.5
- 960 psig\*\* (6618 kPa) maximum working pressure at 100F (38C)



**H-17277**

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
6"	6-1/2"	6.625"	.280" (sch. 40)	.125"	6.375"
6"x4"	6-1/2"	4.50"	No limit	No limit	No limit
8"	8-1/2"	8.625"	.322" (sch. 40)	.125"	8.375"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17277 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H-17277	
C1-36	6", 6"x4" & 8"	6", 6"x4" & 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
6"	79898	64134	43908 (12)	62945	83705	79477
6"x4"	36609	64134	43908 (12)	62945	83705	79477
8"	79016	64134	501192 (12)	63057	83711	63359

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Rev. 2-16 Shaded area indicates changes

### Equipment required to install and stop-off H-17277 welding Line Stopper Fitting

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW		Line Stopper Unit No. 3SW-500	
		6" & 6"x4" H-17277	8" H-17277	6" & 6"x4" H-17277	8" H-17277
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17342	H-17342
Gate Valve	2	83953	83953	83721	83721
Valve Adapter	2	501224	502289	63261	-
Drilling Machine Adapter	1	36545	36545	83730	83730
Cutter Hub	1	83760	83762	83760	83762
Shell Cutter	1	63146	63115	63146	63115
Pilot Drill	1	83639	83675	83639	83675
Steel Wedge Stopper*	2	89700	89702	89700	89702
Completion Machine	1	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83250	83250	83250	83250
Plug Inserting Tool	1	83237	83237	83237	83237
Plug Extracting Tool	1	83238	83238	83238	83238
Completion Plug Wrench	1	36424	36424	36424	36424
Thread Cleaning Tool	1	89319	89319	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with polyurethane cover suitable for use with gas and petroleum.

† Furnished with Completion Machine.



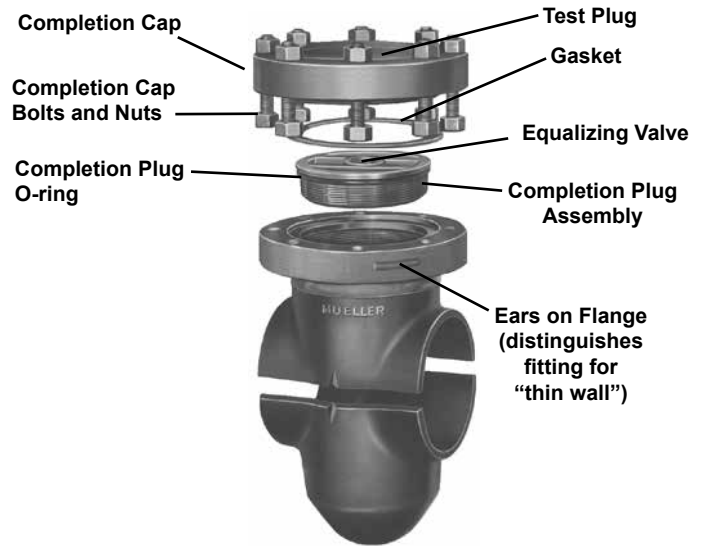
# MUELLER® LINE STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE - 1440 PSIG



# 11.65

Shaded area indicates change Rev. 2-16

- Catalog number – H-17278
- Sizes – 6", 6"x4", 8"
- For use on thin wall steel pipe
- Fittings for Thin Wall Steel Pipe can be recognized by added ears on flange, red paint and "THIN WALL" cast in plug.
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Class 600 flange complies with dimensional requirements of ANSI B16.5
- 1440 psig\*\* (9928 kPa) maximum working pressure at 100F (38C)



**H-17278**

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
6"	6-1/2"	6.625"	.280" (sch. 40)	.125"	6.375"
6"x4"	6-1/2"	4.50"	No limit	No limit	No limit
8"	8-1/2"	8.625"	.322" (sch. 40)	.125"	8.375"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17278 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H-17278	
C1-36	6", 6"x4" & 8"	6", 6"x4" & 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
6"	79891	64134	501192 (12)	62945	83705	79477
6"x4"	79891	64134	501192 (12)	62945	83705	79477
8"	79906	64134	42416 (12)	63057	83711	63359

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Rev. 2-16 Shaded area indicates changes

### Equipment required to install and stop-off H-17278 welding Line Stopper Fitting

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW		Line Stopper Unit No. 3SW-500	
		6" & 6"x4" H-17278	8" H-17278	6" & 6"x4" H-17278	8" H-17278
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17342	H-17342
Gate Valve	2	83953	83953	83721	83721
Valve Adapter	2	501225	502290	63244	63381
Drilling Machine Adapter	1	36545	36545	83730	83730
Cutter Hub	1	83760	83762	83760	83762
Shell Cutter	1	63146	63115	63146	63115
Pilot Drill	1	83639	83675	83639	83675
Steel Wedge Stopper*	2	89700	89702	89700	89702
Completion Machine	1	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83250	83250	83250	83250
Plug Inserting Tool	1	83237	83237	83237	83237
Plug Extracting Tool	1	83238	83238	83238	83238
Completion Plug Wrench	1	36424	36424	36424	36424
Thread Cleaning Tool	1	89319	89319	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with polyurethane cover suitable for use with gas and petroleum.

† Furnished with Completion Machine.

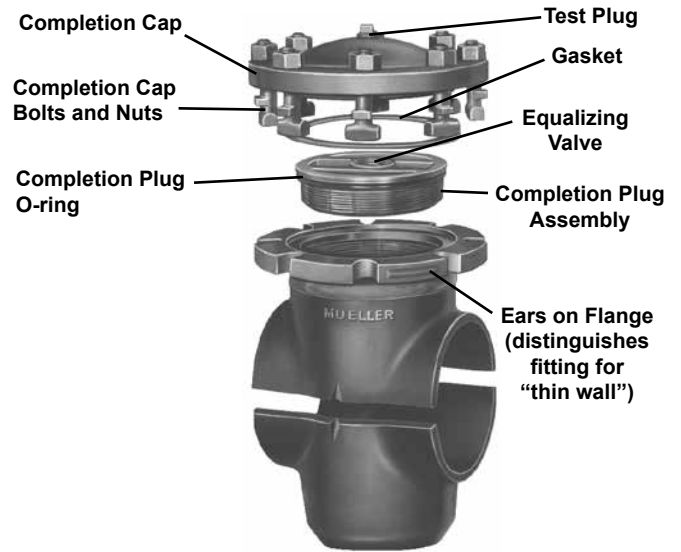
# MUELLER® BOTTOM-OUT STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE - 275 PSIG



# 11.67

Shaded area indicates change Rev. 2-16

- Catalog number – H-17280
- Sizes – 6", 6"x4", 8"
- For use on thin wall steel pipe--- with bottom opening sized for standard schedule 40 steel pipe
- Fittings for Thin Wall Steel Pipe can be recognized by added ears on flange, red paint and "THIN WALL" cast in plug.
- O-ring sealed cast iron (ASTM A126 CL.B) Completion Plug with equalizing valve
- Completion Cap cast iron (ASTM A105)
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Class 150 flange complies with dimensional requirements of ANSI B16.5
- 275 psig\*\* (1896 kPa) maximum working pressure at 100F (38C)



**H-17280**

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	I.D. Size of Bottom Openings
6"	6-1/2"	6.625"	.280" (sch. 40)	.125"	6.375"	6.062"
6"x4"	6-1/2"	4.50"	No limit	No limit	No limit	6.062"
6"x4"	6-1/2"	4.50"	No limit	No limit	No limit	4.031"
8"	8-1/2"	8.625"	.322" (sch. 40)	.125"	8.375"	8.00"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17280 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H-17280	
C1-36	6", 6"x4" & 8"	6", 6"x4" & 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts And Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
6"	36609	64134	36446 (8)	62945	83703	79477
6"x4"	36609	64134	36446 (7)	62945	83703	79477
8"	36625	64134	503709 (8)	63094	83709	63359

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Rev. 2-16 Shaded area indicates changes

## Equipment required to install and stop-off H-17280 welding Line Stopper Fitting

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW		Line Stopper Unit No. 3SW-500	
		6" & 6"x4" H-17280	8" H-17280	6" & 6"x4" H-17280	8" H-17280
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17342	H-17342
Gate Valve	2	83953	83953	83721	83721
Valve Adapter	2	501223	-	63205	63193
Drilling Machine Adapter	1	36545	36545	83730	83730
Cutter Hub	1	83760	83762	83760	83762
Shell Cutter	1	63146	63115	63146	63115
Pilot Drill	1	83639	83675	83639	83675
Steel Wedge Stopper*	2	89700	89702	89700	89702
Bottom-out Stopper	2	681994	681996	681994	681996
Completion Machine	1	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83250	83250	83250	83250
Plug Inserting Tool	1	83237	83237	83237	83237
Plug Extracting Tool	1	83238	83238	83238	83238
Completion Plug Wrench	1	36424	36424	36424	36424
Thread Cleaning Tool	1	89319	89319	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with polyurethane cover suitable for use with gas and petroleum.

† Furnished with Completion Machine.

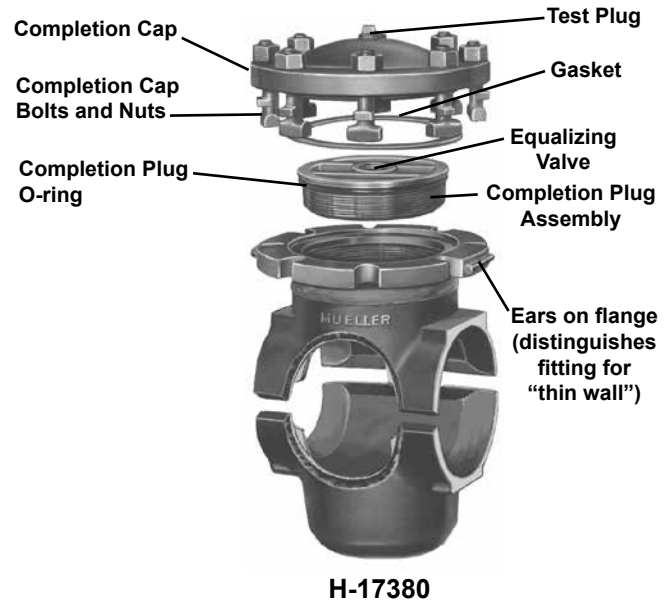
# MUELLER® SIDE AND BOTTOM-OUT STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE - 275 PSIG



# 11.69

Shaded area indicates change Rev. 7-17

- Catalog number – H-17380
- Sizes – 6", 8"
- For use on thin wall steel pipe--- with bottom opening sized for standard schedule 40 steel pipe
- Fittings for Thin Wall Steel Pipe can be recognized by added ears on flange, red paint and "THIN WALL" cast in plug.
- O-ring sealed cast iron (ASTM A126 CL.B) Completion Plug with equalizing valve
- Completion Cap cast iron (ASTM A126 CL.B)
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Pipe Pup included for alternative welding options.
- Class 150 flange complies with dimensional requirements of ANSI B16.5
- 275 psig\*\* (1896 kPa) maximum working pressure at 100F (38C)



## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	I.D. Size of Bottom Openings
6"	6-1/2"	6.625"	.280" (sch. 40)	.125"	6.375"	6.062"
8"	8-1/2"	8.625"	.322" (sch. 40)	.125"	8.375"	8.00"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17380 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H-17380	
C1-36	6" and 8"	6" and 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts And Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal	Pipe Pup
6"	36609	64134	36446 (8)	62945	83703	79477	528752
8"	36625	64134	503709 (8)	63094	83709	63359	528756

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17380 welding Line Stopper Fitting

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW		Line Stopper Unit No. 3SW-500	
		6" H-17380	8" H-17380	6" H-17380	8" H-17380
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17342	H-17342
Gate Valve	2	83953	83953	83721	83721
Valve Adapter	2	501223	-	63205	63193
Drilling Machine Adapter	1	36545	36545	83730	83730
Cutter Hub	1	83760	83762	83760	83762
Shell Cutter	1	63146	63115	63146	63115
Pilot Drill	1	83639	83675	83639	83675
Steel Wedge Stopper*	2	89700	89702	89700	89702
Bottom-out Stopper	2	681994	681996	681994	681996
Completion Machine	1	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83250	83250	83250	83250
Plug Inserting Tool	1	83237	83237	83237	83237
Plug Extracting Tool	1	83238	83238	83238	83238
Completion Plug Wrench	1	36424	36424	36424	36424
Thread Cleaning Tool	1	89319	89319	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with polyurethane cover suitable for use with gas and petroleum.

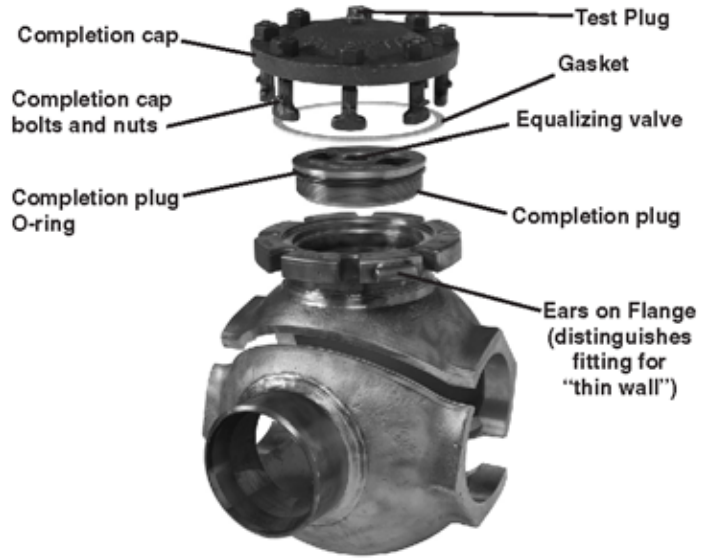
# MUELLER® SPHERICAL LINE STOPPER FITTING WELDING TYPE - 285 PSIG



# 11.71

Shaded area indicates change Rev. 7-17

- Catalog number – H-17480
- Sizes – 6", 8"
- For use on thin wall steel pipe--- with outlet sized for standard schedule 40 steel pipe
- Fittings for Thin Wall Steel Pipe can be recognized by added ears on flange, red paint and "THIN WALL" cast in plug.
- O-ring sealed cast iron (ASTM A126 CL.B) Completion Plug with equalizing valve
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Class 150 flange complies with dimensional requirements of ANSI B16.5
- 285 psig\*\* (1965 kpa) maximum working pressure at 100F (38C)



H-17480

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	Inside Diameter of Outlet
6"	6.50"	6.625"	.280" (sch. 40)	.125"	6.375"	6.062"
8"	8.50"	8.625"	.322" (sch. 40)	.125"	8.375"	8.00"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17380 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H-17480	
C1-36	6" and 8"	6" and 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts And Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
6"	36609	64134	36446 (8)	62945	83703	79477
8"	36625	64134	503709 (8)	63094	83709	63359

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17480 welding Line Stopper Fittings

Tool Name	Quantity Required	Line Stopper Unit No. 3SW		Line Stopper Unit No. 3SW-500	
		6" H-17480	8" H-17480	6" H-17480	8" H-17480
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17342	H-17342
Gate Valve	2	83953	83953	83721	83721
Valve Adapter	2	501223	-	63205	63193**
Drilling Machine Adapter	1	36545	36545	83730	83730
Cutter Hub	1	83760	83762	83760	83762
Shell Cutter	1	63146	63115	63146	63115
Pilot Drill	1	83639	83675	83639	83675
Steel Wedge Stopper	2	89700	89702	89700	89702
Bottom Stopper	2	681994	681996	681994*	681996
Completion Machine	1	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83250	83250	83250	83250
Plug Inserting Tool	1	83237	83237	83237	83237
Plug Extracting Tool	1	83238	83238	83238	83238
Completion Plug Wrench	1	36424	36424	36424	36424
Thread Cleaning Tool	1	89319	89319	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

\*For Bottom Stop use Valve Adapter 682687 instead of listed Valve Adapter.

\*\*For Bottom Stop use Valve Adapter 537365 instead of listed Valve Adapter.



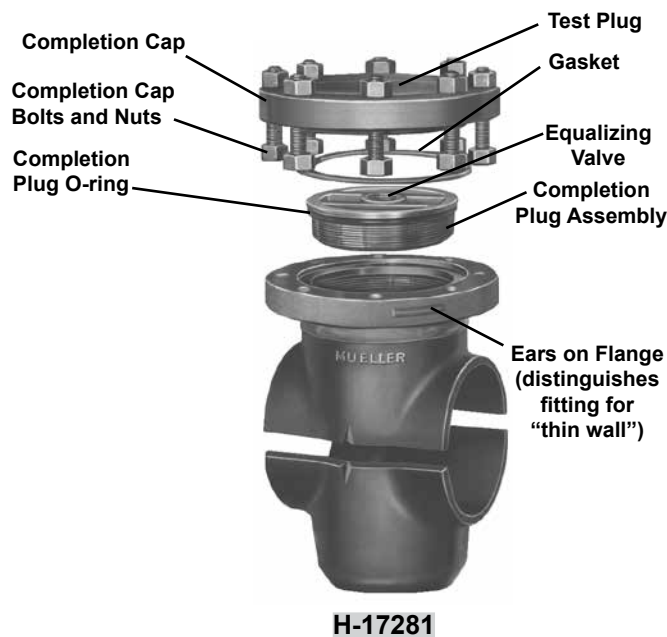
# MUELLER® BOTTOM-OUT STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE - 720 PSIG



# 11.73

Shaded area indicates change Rev. 7-17

- Catalog number – H-17281
- Sizes – 6", 6"x4", 8"
- For use on thin wall steel pipe--- with bottom opening sized for standard schedule 40 steel pipe
- Fittings for Thin Wall Steel Pipe can be recognized by added ears on flange, red paint and "THIN WALL" cast in plug.
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Class 300 flange complies with dimensional requirements of ANSI B16.5
- 720 psig\*\* (4964 kPa) maximum working pressure at 100F (38C)



## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	I.D. Size of Bottom Openings
6"	6-1/2"	6.625"	.280" (sch. 40)	.125"	6.375"	6-1/16"
6"x4"	6-1/2"	4.50"	No limit	No limit	No limit	4-1/32"
6"x4"	6-1/2"	4.50"	No limit	No limit	No limit	6-1/16"
8"	8-1/2"	8.625"	.322" (sch. 40)	.125"	8.375"	8"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17281 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H-17281	
C1-36	6", 6"x4" & 8"	6", 6"x4" & 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
6"	64205	64134	500894 (12)	62945	83705	79477
6"x4"	64205	64134	500894 (12)	62945	83705	79477
8"	64206	64134	43908 (12)	63057	83711	63359

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17281 welding Line Stopper Fitting

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW		Line Stopper Unit No. 3SW-500	
		6" & 6"x4" H-17281	8" H-17281	6" & 6"x4" H-17281	8" H-17281
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17342	H-17342
Gate Valve	2	83953	83953	83721	83721
Valve Adapter	2	501224	502289	63261	-
Drilling Machine Adapter	1	36545	36545	83730	83730
Cutter Hub	1	83760	83762	83760	83762
Shell Cutter	1	63146	63115	63146	63115
Pilot Drill	1	83639	83675	83639	83675
Steel Wedge Stopper*	2	89700	89702	89700	89702
Bottom-out Stopper	2	681994	681996	681994	681996
Completion Machine	1	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83250	83250	83250	83250
Plug Inserting Tool	1	83237	83237	83237	83237
Plug Extracting Tool	1	83238	83238	83238	83238
Completion Plug Wrench	1	36424	36424	36424	36424
Thread Cleaning Tool	1	89319	89319	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with polyurethane cover suitable for use with gas and petroleum.

# MUELLER® SIDE AND BOTTOM-OUT STOPPER FITTING

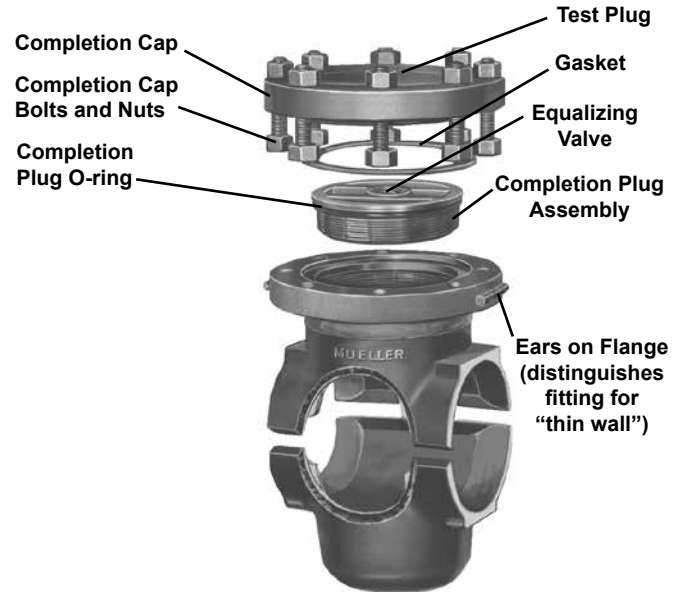
## WELDING TYPE FOR THIN WALL STEEL PIPE - 720 PSIG



# 11.75

Shaded area indicates change Rev. 3-08

- Catalog number – H-17381
- Sizes – 6", 8"
- For use on thin wall steel pipe--- with bottom opening sized for standard schedule 40 steel pipe
- Fittings for Thin Wall Steel Pipe can be recognized by added ears on flange, red paint and "THIN WALL" cast in plug.
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Pipe pup included for alternative welding options.
- Class 300 flange complies with dimensional requirements of ANSI B16.5
- 720 psig\*\* (4964 kPa) maximum working pressure at 100F (38C)



**H-17381**

### Pipe Dimension

Size of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	I.D. Size of Bottom Openings
6"	6-1/2"	6.625"	.280" (sch. 40)	.125"	6.375"	6-1/16"
8"	8-1/2"	8.625"	.322" (sch. 40)	.125"	8.375"	8"

### Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17381 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H-17381	
C1-36	6" and 8"	6" and 8"

### Replacement Parts

Fitting Size	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal	Pipe Pup
6"	64205	64134	500894 (12)	62945	83705	79477	528752
8"	64206	64134	43908 (12)	63057	83711	63359	528756

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17381 welding Line Stopper Fitting

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW		Line Stopper Unit No. 3SW-500	
		6" H-17381	8" H-17381	6" H-17381	8" H-17381
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17342	H-17342
Gate Valve	2	83953	83953	83721	83721
Valve Adapter	2	501224	502289	63261	-
Drilling Machine Adapter	1	36545	36545	83730	83730
Cutter Hub	1	83760	83762	83760	83762
Shell Cutter	1	63146	63115	63146	63115
Pilot Drill	1	83639	83675	83639	83675
Steel Wedge Stopper*	2	89700	89702	89700	89702
Bottom-out Stopper	2	681994	681996	681994	681996
Completion Machine	1	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83250	83250	83250	83250
Plug Inserting Tool	1	83237	83237	83237	83237
Plug Extracting Tool	1	83238	83238	83238	83238
Completion Plug Wrench	1	36424	36424	36424	36424
Thread Cleaning Tool	1	89319	89319	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with polyurethane cover suitable for use with gas and petroleum.

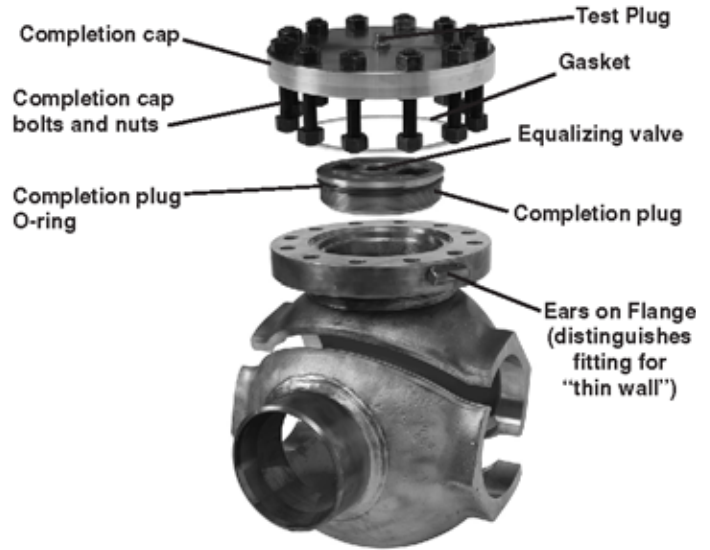
# MUELLER® SPHERICAL LINE STOPPER FITTING WELDING TYPE - 740 PSIG



# 11.77

Shaded area indicates change Rev. 7-17

- Catalog number – H-17481
- Sizes – 6", 8"
- For use on thin wall steel pipe--- with outlet sized for standard schedule 40 steel pipe
- Fittings for Thin Wall Steel Pipe can be recognized by added ears on flange, red paint and "THIN WALL" cast in plug.
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Class 300 flange complies with dimensional requirements of ANSI B16.5
- 740 psig\*\* (5102 kPa) maximum working pressure at 100F (38C)



**H-17481**

## Pipe Dimension

Size of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	Inside Diameter of Outlet
6"	6.50"	6.625"	.280"	.125"	6.375"	6.062"
8"	8.50"	8.625"	.322"	.125"	8.375"	8.00"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17481 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H-17481	
C1-36	6" and 8"	6" and 8"

## Replacement Parts

Fitting Size	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
6"	64205	64134	500894 (12)	62945	83705	79477
8"	64206	64134	43908 (12)	63057	83711	63359

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17481 welding Line Stopper Fittings

Tool Name	Quantity Required	Line Stopper Unit No. 3SW		Line Stopper Unit No. 3SW-500	
		6" H-17481	8" H-17481	6" H-17481	8" H-17481
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17342	H-17342
Gate Valve	2	83953	83953	83721	83721
Valve Adapter	2	501224	502289	63261	-
Drilling Machine Adapter	1	36545	36545	83730	83730
Cutter Hub	1	83760	83762	83760	83762
Shell Cutter	1	63146	63115	63146	63115
Pilot Drill	1	83639	83675	83639	83675
Steel Wedge Stopper	2	89700	89702	89700	89702*
Bottom Stopper	2	681994	681996	681994**	681996
Completion Machine	1	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83250	83250	83250	83250
Plug Inserting Tool	1	83237	83237	83237	83237
Plug Extracting Tool	1	83238	83238	83238	83238
Completion Plug Wrench	1	36424	36424	36424	36424
Thread Cleaning Tool	1	89319	89319	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

\*Requires the modified clamp bar to be installed on 3SW-500 Stopping Machine.

\*\*For Bottom Stop use Valve Adapter 682686 instead of listed Valve Adapter.

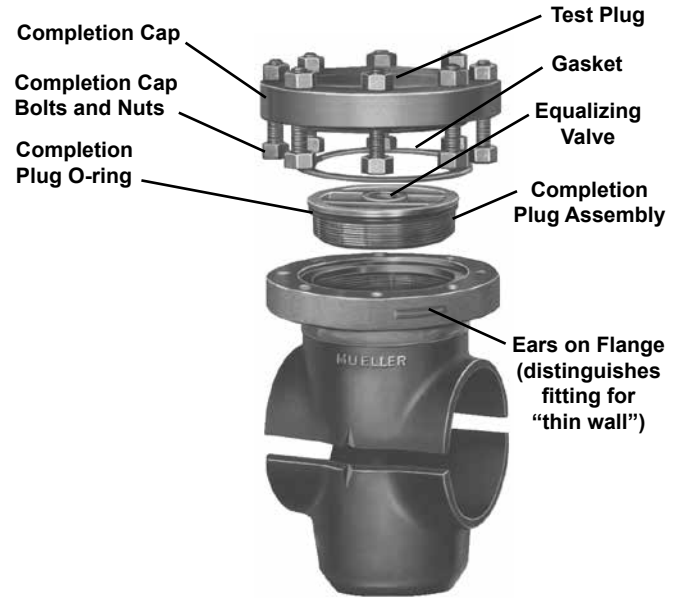
# MUELLER® BOTTOM-OUT STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE - 960 PSIG



# 11.79

Shaded area indicates change Rev. 2-16

- Catalog number – H-17282
- Sizes – 6"x4", 6", 8"
- For use on thin wall steel pipe--- with bottom opening sized for standard schedule 40 steel pipe
- Fittings for Thin Wall Steel Pipe can be recognized by added ears on flange, red paint and "THIN WALL" cast in plug.
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Class 400 flange complies with dimensional requirements of ANSI B16.5
- 960 psig\*\* (6618 kPa) maximum working pressure at 100F (38C)



**H-17282**

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	I.D. Size of Bottom Openings
6"x4"	6-1/2"	4.50"	No limit	No limit	No limit	4-1/32"
6"x4"	6-1/2"	4.50"	No limit	No limit	No limit	6-1/16"
6"	6-1/2"	6.625"	.280" (sch. 40)	.125"	6.375"	6-1/16"
8"	8-1/2"	8.625"	.322" (sch. 40)	.125"	8.375"	8"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17282 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H-17282	
C1-36	6"x4", 6" & 8"	6"x4", 6" & 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
6"x4"	79898	64134	43908 (12)	62945	83705	79477
6"	79898	64134	43908 (12)	62945	83705	79477
8"	79016	64134	501192 (12)	63057	83711	63359

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17282 welding Line Stopper Fitting

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW		Line Stopper Unit No. 3SW-500	
		6" & 6"x4" H-17282	8" H-17282	6" & 6"x4" H-17282	8" H-17282
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17342	H-17342
Gate Valve	2	83953	83953	83721	83721
Valve Adapter	2	501224	502289	63261	-
Drilling Machine Adapter	1	36545	36545	83730	83730
Cutter Hub	1	83760	83762	83760	83762
Shell Cutter	1	63146	63115	63146	63115
Pilot Drill	1	83639	83675	83639	83675
Steel Wedge Stopper*	2	89700	89702	89700	89702
Bottom-out Stopper	2	681994	681996	681994	681996
Completion Machine	1	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83250	83250	83250	83250
Plug Inserting Tool	1	83237	83237	83237	83237
Plug Extracting Tool	1	83238	83238	83238	83238
Completion Plug Wrench	1	36424	36424	36424	36424
Thread Cleaning Tool	1	89319	89319	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with urethane cover suitable for use with gas and petroleum.



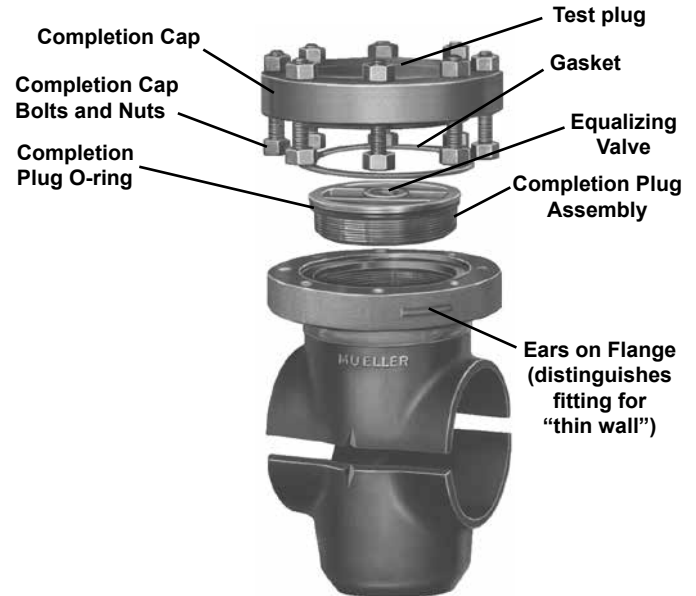
# MUELLER® BOTTOM-OUT STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE - 1440 PSIG



# 11.81

Shaded area indicates change Rev. 2-16

- Catalog number – H-17283
- Sizes – 6"x4", 6", 8"
- For use on thin wall steel pipe--- with bottom opening sized for standard schedule 40 steel pipe
- Fittings for Thin Wall Steel Pipe can be recognized by added ears on flange, red paint and "THIN WALL" cast in plug.
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Class 600 flange complies with dimensional requirements of ANSI B16.5
- 1440 psig\*\* (9928 kPa) maximum working pressure at 100F (38C)



H-17283

## Pipe Dimension

Size* Of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter Of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	I.D. Size Of Bottom Openings
6"x4"	6-1/2"	4.50"	No limit	No limit	No limit	4-1/32"
6"x4"	6-1/2"	4.50"	No limit	No limit	No limit	6-1/16"
6"	6-1/2"	6.625"	.280" (sch. 40)	.125"	6.375"	6-1/16"
8"	8-1/2"	8.625"	.322" (sch. 40)	.125"	8.375"	8"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17283 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H-17283	
C1-36	6", 6"x4" & 8"	6", 6"x4" & 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
6"x4"	79891	64134	501192 (12)	62945	83705	79477
6"	79891	64134	501192 (12)	62945	83705	79477
8"	79906	64134	42416 (12)	63057	83711	63359

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17283 welding Line Stopper Fitting

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW		Line Stopper Unit No. 3SW-500	
		6" & 6"x4" H-17283	8" H-17283	6" & 6"x4" H-17283	8" H-17283
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17342	H-17342
Gate Valve	2	83953	83953	83721	83721
Valve Adapter	2	501225	502290	63244	63381
Drilling Machine Adapter	1	36545	36545	83730	83730
Cutter Hub	1	83760	83762	83760	83762
Shell Cutter	1	63146	63115	63146	63115
Pilot Drill	1	83639	83675	83639	83675
Steel Wedge Stopper*	2	89700	89702	89700	89702
Bottom-out Stopper	2	681994	681996	681994	681996
Completion Machine	1	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83250	83250	83250	83250
Plug Inserting Tool	1	83237	83237	83237	83237
Plug Extracting Tool	1	83238	83238	83238	83238
Completion Plug Wrench	1	36424	36424	36424	36424
Thread Cleaning Tool	1	89319	89319	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with urethane cover suitable for use with gas and petroleum.

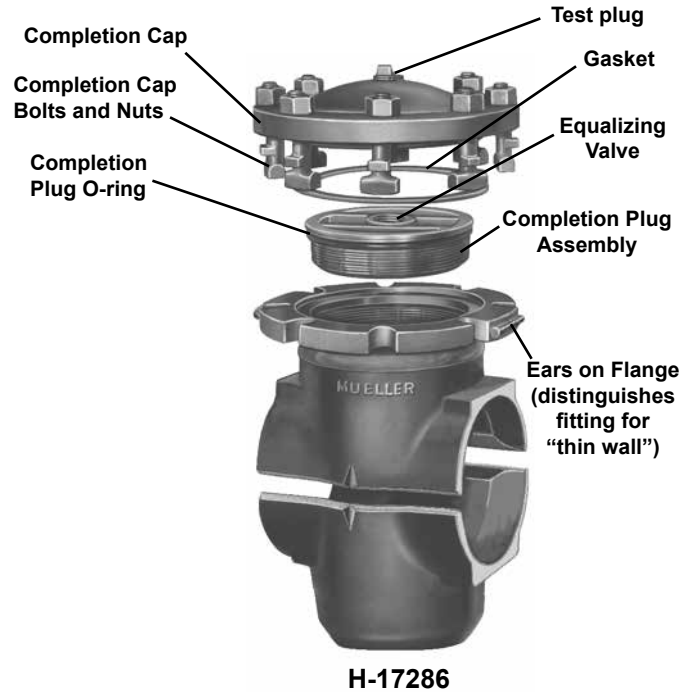
# MUELLER® BOTTOM-OUT STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE - 275 PSIG



# 11.83

Shaded area indicates change Rev. 3-08

- Catalog number – H-17286
- Sizes – 6", 8"
- For use on thin wall steel pipe--- with bottom opening sized for thin wall steel pipe
- Fittings for Thin Wall Steel Pipe can be recognized by added ears on flange, red paint and "THIN WALL" cast in plug.
- O-ring sealed cast iron (ASTM A126 CL.B) Completion Plug with equalizing valve
- Completion Cap cast iron ASTM A126 CL.B
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Class 150 flange complies with dimensional requirements of ANSI B16.5
- 275 psig\*\* (1896 kPa) maximum working pressure at 100F (38C)



## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	I.D. Size of Bottom Openings
6"	6-1/2"	6.625"	.280" (sch. 40)	.125"	6.375"	6-1/4"
8"	8-1/2"	8.625"	.322" (sch. 40)	.125"	8.375"	8-7/32"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17286 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H-17286	
C1-36	6" and 8"	6" and 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
6"	36609	64134	36446 (8)	62945	83703	79477
8"	36625	64134	503709 (8)	63094	83709	63359

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17286 welding Line Stopper Fitting

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW		Line Stopper Unit No. 3SW-500	
		6" H-17286	8" H-17286	6" H-17286	8" H-17286
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17342	H-17342
Gate Valve	2	83953	83953	83721	83721
Valve Adapter	2	501223	-	63205	63193
Drilling Machine Adapter	1	36545	36545	83730	83730
Cutter Hub	1	83760	83762	83760	83762
Shell Cutter	1	63146	63115	63146	63115
Pilot Drill	1	83639	83675	83639	83675
Steel Wedge Stopper*	2	89700	89702	89700	89702
Bottom-out Stopper	2	681994	681996	681994	681996
Completion Machine	1	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83250	83250	83250	83250
Plug Inserting Tool	1	83237	83237	83237	83237
Plug Extracting Tool	1	83238	83238	83238	83238
Completion Plug Wrench	1	36424	36424	36424	36424
Thread Cleaning Tool	1	89319	89319	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with polyurethane cover suitable for use with gas and petroleum.

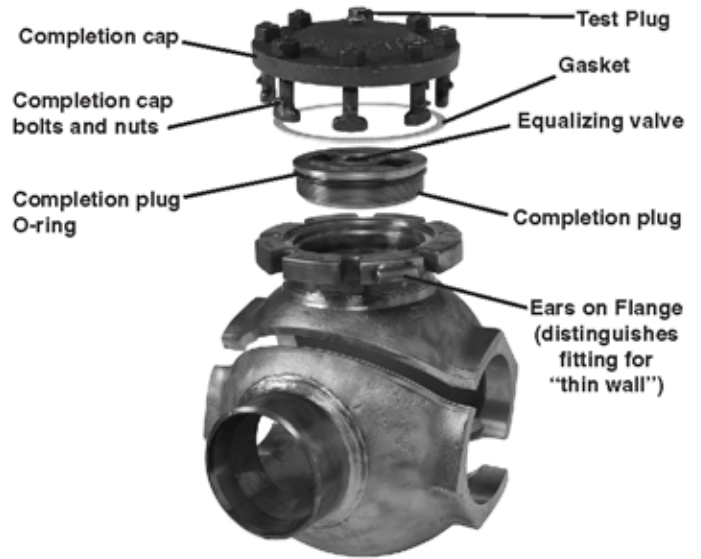
# MUELLER® SPHERICAL LINE STOPPER FITTING WELDING TYPE - 285 PSIG



# 11.85

Shaded area indicates change Rev. 7-17

- Catalog number – H-17486
- Sizes – 6", 8"
- For use on thin wall steel pipe--- with outlet sized for thin wall steel pipe
- Fittings for Thin Wall Steel Pipe can be recognized by added ears on flange, red paint and "THIN WALL" cast in plug.
- O-ring sealed cast iron (ASTM A126 CL.B) Completion Plug with equalizing valve
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Class 150 flange complies with dimensional requirements of ANSI B16.5
- 285 psig\*\* (1965 kpa) maximum working pressure at 100F (38C)



**H-17486**

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	Inside Diameter of Outlet
6"	6.50"	6.625"	.280"	.125"	6.375"	6.25"
8"	8.50"	8.625"	.322"	.125"	8.375"	8.843"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17486 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H-17486	
C1-36	6" and 8"	6" and 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
6"	36609	64134	36446 (8)	62945	83703	79477
8"	36625	64134	503709 (8)	63094	83709	63359

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

# 11.86



## MUELLER® SPHERICAL LINE STOPPER FITTINGS

Rev. 3-08 Shaded area indicates changes

### Equipment required to install and stop-off H-17486 welding Line Stopper Fittings

Tool Name	Quantity Required	Line Stopper Unit No. 3SW		Line Stopper Unit No. 3SW-500	
		6" H-17486	8" H-17486	6" H-17486	8" H-17486
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17342	H-17342
Gate Valve	2	83953	83953	83721	83721
Valve Adapter	2	501223	-	63205	63193**
Drilling Machine Adapter	1	36545	36545	83730	83730
Cutter Hub	1	83760	83762	83760	83762
Shell Cutter	1	63146	63115	63146	63115
Pilot Drill	1	83639	83675	83639	83675
Steel Wedge Stopper	2	89700	89702	89700	89702
Bottom Stopper	2	681994	681996	681994*	681996
Completion Machine	1	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83250	83250	83250	83250
Plug Inserting Tool	1	83237	83237	83237	83237
Plug Extracting Tool	1	83238	83238	83238	83238
Completion Plug Wrench	1	36424	36424	36424	36424
Thread Cleaning Tool	1	89319	89319	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

\*For Bottom Stop use Valve Adapter 682687 instead of listed Valve Adapter.

\*\*For Bottom Stop use Valve Adapter 537365 instead of listed Valve Adapter.

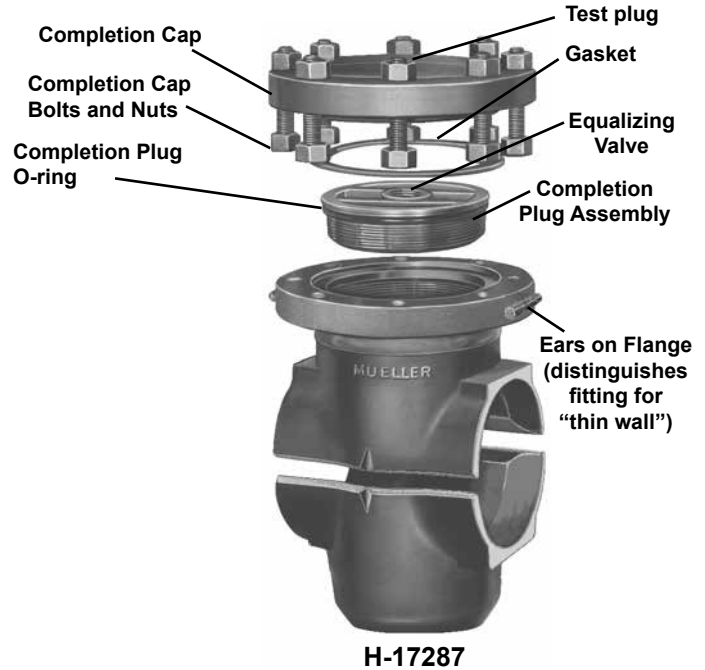
# MUELLER® BOTTOM-OUT STOPPER FITTING WELDING TYPE FOR THIN WALL STEEL PIPE - 720 PSIG



# 11.87

Shaded area indicates change Rev. 7-17

- Catalog number – H-17287
- Sizes – 6", 8"
- For use on thin wall steel pipe - with bottom opening sized for thin wall steel pipe
- Fittings for Thin Wall Steel Pipe can be recognized by added ears on flange, red paint and "THIN WALL" cast in plug.
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Class 300 flange complies with dimensional requirements of ANSI B16.5
- 720 psig\*\* (4964 kPa) maximum working pressure at 100F (38C)



## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	I.D. Size of Bottom Openings
6"	6.50"	6.625"	.280" (sch. 40)	.125"	6.375"	6.25"
8"	8.50"	8.625"	.322" (sch. 40)	.125"	8.375"	8.843"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17287 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H-17287	
C1-36	6" and 8"	6" and 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
6"	64205	64134	500894 (12)	62945	83705	79477
8"	64206	64134	43908 (12)	63057	83711	63359

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17287 welding Line Stopper Fitting

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW		Line Stopper Unit No. 3SW-500	
		6" H-17287	8" H-17287	6" H-17287	8" H-17287
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17342	H-17342
Gate Valve	2	83953	83953	83721	83721
Valve Adapter	2	501224	502289	63261	-
Drilling Machine Adapter	1	36545	36545	83730	83730
Cutter Hub	1	83760	83762	83760	83762
Shell Cutter	1	63146	63115	63146	63115
Pilot Drill	1	83639	83675	83639	83675
Steel Wedge Stopper*	2	89700	89702	89700	89702
Bottom-out Stopper	2	681994	681996	681994	681996
Completion Machine	1	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83250	83250	83250	83250
Plug Inserting Tool	1	83237	83237	83237	83237
Plug Extracting Tool	1	83238	83238	83238	83238
Completion Plug Wrench	1	36424	36424	36424	36424
Thread Cleaning Tool	1	89319	89319	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

\*Steel Wedge Stopper with urethane cover suitable for use with gas and petroleum.



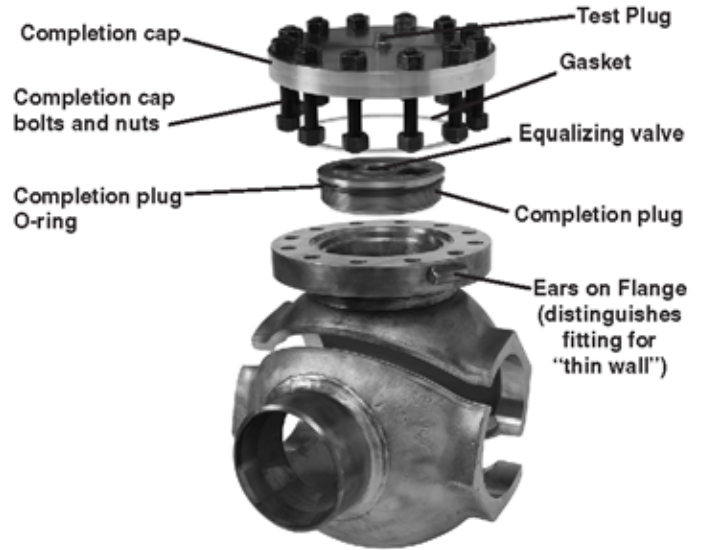
# MUELLER® SPHERICAL LINE STOPPER FITTING WELDING TYPE - 740 PSIG



# 11.89

Shaded area indicates change Rev. 7-17

- Catalog number – H-17487
- Sizes – 6", 8"
- For use on thin wall steel pipe--- with outlet sized for thin wall steel pipe
- Fittings for Thin Wall Steel Pipe can be recognized by added ears on flange, red paint and "THIN WALL" cast in plug.
- O-ring sealed steel (ASTM A216 WCB) Completion Plug with equalizing valve
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Class 300 flange complies with dimensional requirements of ANSI B16.5
- 740 psig\*\* (5102 kpa) maximum working pressure at 100F (38C)



**H-17487**

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions			
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter	Inside Diameter of Outlet
6"	6.50"	6.625"	.280"	.125"	6.375"	6.25"
8"	8.50"	8.625"	.322"	.125"	8.375"	8.844"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17487 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H-17487	
C1-36	6" and 8"	6" and 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
6"	64205	64134	500894 (12)	62945	83705	79477
8"	64206	64134	43908 (12)	63057	83711	63359

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

# 11.90



## MUELLER® SPHERICAL LINE STOPPER FITTINGS

Rev. 3-08 Shaded area indicates changes

### Equipment required to install and stop-off H-17487 welding Line Stopper Fittings

Tool Name	Quantity Required	Line Stopper Unit No. 3SW		Line Stopper Unit No. 3SW-500	
		6" H-17487	8" H-17487	6" H-17487	8" H-17487
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17342	H-17342
Gate Valve	2	83953	83953	83721	83721
Valve Adapter	2	501224	502289	63261	-
Drilling Machine Adapter	1	36545	36545	83730	83730
Cutter Hub	1	83760	83762	83760	83762
Shell Cutter	1	63146	63115	63146	63115
Pilot Drill	1	83639	83675	83639	83675
Steel Wedge Stopper	2	89700	89702	89700	89702*
Bottom Stopper	2	681994	681996	681994**	681996
Completion Machine	1	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83250	83250	83250	83250
Plug Inserting Tool	1	83237	83237	83237	83237
Plug Extracting Tool	1	83238	83238	83238	83238
Completion Plug Wrench	1	36424	36424	36424	36424
Thread Cleaning Tool	1	89319	89319	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

\*Requires the modified clamp bar to be installed on 3SW-500 Stopping Machines.

\*\*For Bottom Stop use Valve Adapter 682686 instead of listed Valve Adapter.

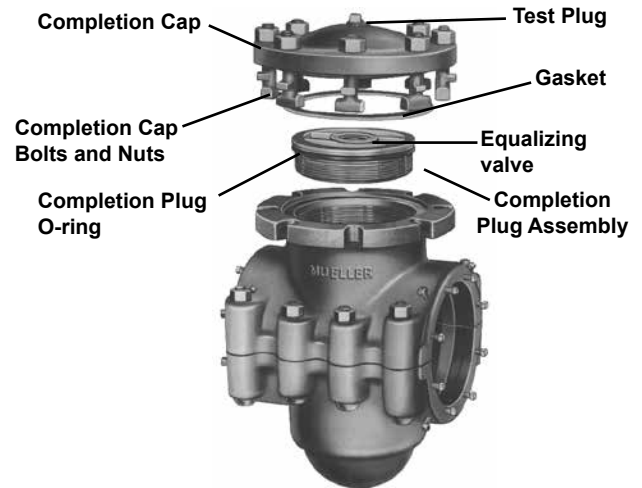
# MUELLER® LINE STOPPER FITTING MECHANICAL JOINT TYPE FOR STEEL PIPE - 175 PSIG



# 11.91

Shaded area indicates change Rev. 2-16

- Catalog number – H-17265
- Sizes – 3", 4", 6", 8", 12"
- For use on steel pipe only
- O-ring sealed cast iron (ASTM A126 CL.B) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are cast iron (ASTM A126 CL.B)
- Class 150 flange complies with dimensional requirements of ANSI B16.5
- 175 psig\*\* (1206 kPa) maximum working pressure at 100F (38C)



**H-17265**

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
3"	3-1/4"	3.500"	No limit	.188"	3.124"
4"	4-1/4"	4.500"	No limit	.188"	4.124"
6"	6-1/4"	6.625"	.432" (sch. 80)	.250"	6.125"
8"	8-1/4"	8.625"	.406" (sch. 60)	.250"	8.125"
12"	12-1/2"	12.750"	.375" (std. wt)	.188"	12.374"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17265 Fittings

Drilling Machine	Line Stopper Units				
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500	Unit No. 4SW
	H-17265				
C1-36	3" and 4"	6" and 8"	4", 6", and 8"	4", 6", and 8"	12"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
3"	36590	64134	503708 (6)	43959	83484	43922
4"	36592	64134	36731 (8)	36377	83485	43917
6"	36609	64134	36446 (8)	62945	83487	79895
8"	36625	64134	503709 (8)	63094	83493	79020
12"	61867	191112	52056 (12) nut 90230 (12) bolt	46434	83560	46428

Fitting Size*	Side Gasket	Long Bolts	Short Bolts	Gromets	Top End Gaskets	Bottom End Gaskets	End Gasket Followers	End Screws	Set Screws
3"	37701 (2)	60862 (4)	-	37657 (4)	37703 (2)	37717 (2)	37704 (4)	92481 (12)	52973 (8)
4"	37809 (2)	60958 (4)	60862 (2)	37657 (6)	37811 (2)	37812 (2)	37813 (4)	92481 (12)	52973 (8)
6"	37820 (2)	61114 (4)	60862 (4)	37657 (8)	37822 (2)	37823 (2)	37824 (4)	92481 (16)	52973 (8)
8"	37827 (2)	61185 (4)	60862 (4)	37657 (8)	37829 (2)	37830 (2)	37831 (4)	92482 (20)	90484 (8)
12"	194784 (2)	194783 (12) 193861 (12)	-	194786 (12)	194785 (4)	-	160624 (4)	52973 (32)	194805 (16)

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17265 Mechanical Joint Line Stopper Fitting

Tool Name	Quantity Required	Line Stopper Unit No. 2		Line Stopper Unit No. 3	
		3" H-17265	4" H-17265	6" H-17265	8" H-17265
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17235	H-17235	H-17335	H-17335
Gate Valve	2	88611	88611	83953	83953
Valve Adapter	2	36461	-	501223	-
Drilling Machine Adapter	1	36343	36343	36545	36545
Cutter Arbor	1	88101	-	-	-
Cutter Hub	1	-	54526	54501	54653
Shell Cutter	1	36463	36472	36548	36521
Pilot Drill	1	36464	580585	580585	580586
Solid Rubber Stopper	2	88610	88614	682365	88699
Top Bypass Rubber Stopper	2	88609	88613	88625	88626
Full Bypass Rubber Stopper	2	680514	680515	682364	680517
Completion Machine	1	H-17246	H-17246	H-17345	H-17345
Plug Alignment Tool	1	83522	83522	83519	83519
Plug Inserting Tool	1	83520	83520	83517	83517
Plug Extracting Tool	1	83521	83521	83518	83518
Completion Plug Wrench	1	36404	36404	36424	36424
Inserting Bar Ext. Spacer	2	505554	-	-	-
Inserting Bar Ext. Sleeve	2	505555	-	-	-
Tool Adapter	2	-	-	37197	37197
Retaining Screw Wrench	1	-	-	88475	88475
Thread Cleaning Tool	1	89316	89317	89318	89318
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

Tool Name	Qty. Req'd.	Line Stopper Unit 3SW			Line Stopper Unit 3SW-500			Line Stopper Unit 4SW
		4" H-17265	6" H-17265	8" H-17265	4" H-17265	6" H-17265	8" H-17265	12" H-17265
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	H-17342	H-17342	H-17342	H-17440
Gate Valve	2	83953	83953	83953	83721	83721	83721	83565/83318†
Valve Adapter	2	83513	501223	-	501361	63205	63193	651528**
Drilling Machine Adapter	1	36545	36545	36545	83730	83730	83730	83323
Cutter Hub	1	54526	54501	54653	54526	54501	54653	682782††
Shell Cutter	1	36472	36548	36521	36472	36548	36521	682780
Pilot Drill	1	580585	580585	580586	580585	580585	580586	682781
Steel Wedge Stopper*	2	89694	89696	89698	89694	89696	89698	89704
Completion Machine	1	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347	H-17445
Plug Alignment Tool	1	83774	83250	83250	83774	83250	83250	83250
Plug Inserting Tool	1	83772	83237	83237	83772	83237	83237	83237
Plug Extracting Tool	1	83773	83238	83238	83773	83238	83238	83238
Completion Plug Wrench	1	36404	36424	36424	36404	36424	36424	36424
Thread Cleaning Tool	1	680360	89319	89319	680360	89319	89319	89321
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\* Steel Wedge Stopper with urethane cover suitable for use with gas and petroleum.

\*\*Used with Gate Valve 83318.

† The 83565 Gate Valve has a maximum working pressure of 275 psig and the 83318 Gate Valve has a maximum working pressure of 500 psig.

†† Thick Wall 12" Shell Cutter option available.

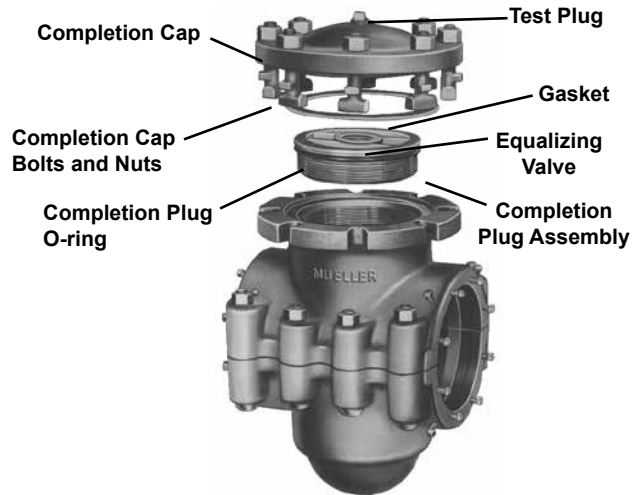
# MUELLER® LINE STOPPER FITTING MECHANICAL JOINT TYPE FOR CI PIPE - 175 PSIG



# 11.93

Shaded area indicates change Rev. 7-17

- Catalog number – H-17266
- Sizes – 3", 4", 6", 8", 10", 12"
- For use on cast iron pipe only
- O-ring sealed cast iron (ASTM A126 CL.B) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are cast iron (ASTM A126 CL.B)
- Class 150 flange complies with dimensional requirements of ANSI B16.5
- 175 psig\*\* (1206 kPa) maximum working pressure at 100F (38C)



**H-17266**

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
3"	3-1/4"	3.80"	No limit	.188"	3.124"
4"	4-1/4"	4.80"	No limit	.188"	4.124"
6"	6-1/4"	6.90"	.432" (sch. 80)	.250"	6.125"
8"	8-1/4"	9.05"	.406" (sch. 60)	.250"	8.125"
10"	12-1/2"	11.10"	No limit	No limit	No limit
12"	12-1/2"	13.20"	.375" (std.)	.188"	12.374"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17266 Fittings

Drilling Machine	Line Stopper Units				
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500	Unit No. 4SW
	H-17266				
C1-36	3" and 4"	6" and 8"	4", 6", and 8"	4", 6", and 8"	10" and 12"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
3"	36590	64134	503708 (6)	43959	83484	43922
4"	36592	64134	36731 (8)	36377	83485	43917
6"	36609	64134	36446 (8)	62945	83487	79895
8"	36625	64134	503709 (8)	63094	83493	79020
10"	61867	191112	52056 (12) nut/90230 (12) bolt	46434	83560	46428
12"	61867	191112	52056 (12) nut/90230 (12) bolt	46434	83560	46428

Fitting Size*	Side Gasket	Long Bolts	Short Bolts	Gromets	Top End Gaskets	Bottom End Gaskets	End Gasket Followers	End Screws	Set Screws
3"	37701 (2)	60862 (4)	-	37657 (4)	60859 (2)	59413 (2)	60852 (4)	92481 (12)	52973 (8)
4"	37809 (2)	60958 (4)	60862 (2)	37657 (6)	45560 (2)	45561 (2)	33069 (4)	92481 (12)	52973 (8)
6"	37820 (2)	61114 (4)	60862 (4)	37657 (8)	45562 (2)	45563 (2)	74858 (4)	92481 (16)	52973 (8)
8"	37827 (2)	61185 (4)	60862 (4)	37657 (8)	45564 (2)	45565 (2)	74859 (4)	92482 (20)	90484 (8)
10"	194784 (2)	194783 (12) 193861 (12)	-	194786 (12)	194785 (4)	-	160623 (4)	52973 (32)	194805 (16)
12"	194784 (2)	194783 (12) 193861 (12)	-	194786 (12)	194785 (4)	-	160625 (4)	52973 (32)	194805 (16)

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Rev. 12-12 Shaded area indicates changes

### Equipment required to install and stop-off H-17266 Mechanical Joint Line Stopper Fitting

Tool Name	Quantity Required	Line Stopper Unit No. 2		Line Stopper Unit No. 3	
		3" H-17266	4" H-17266	6" H-17266	8" H-17266
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17235	H-17235	H-17335	H-17335
Gate Valve	2	88611	88611	83953	83953
Valve Adapter	2	36461	-	501223	-
Drilling Machine Adapter	1	36343	36343	36545	36545
Cutter Arbor	1	88101	-	-	-
Cutter Hub	1	-	54526	54501	54653
Shell Cutter	1	36463	36472	36548	36521
Pilot Drill	1	36464	580585	580585	580586
Solid Rubber Stopper	2	88610	88614	682365	88699
Top Bypass Rubber Stopper	2	88609	88613	88625	88626
Full Bypass Rubber Stopper	2	680514	680515	682364	680517
Completion Machine	1	H-17246	H-17246	H-17345	H-17345
Plug Alignment Tool	1	83522	83522	83519	83519
Plug Inserting Tool	1	83520	83520	83517	83517
Plug Extracting Tool	1	83521	83521	83518	83518
Completion Plug Wrench	1	36404	36404	36424	36424
Inserting Bar Ext. Spacer	2	505554	-	-	-
Inserting Bar Ext. Sleeve	2	505555	-	-	-
Tool Adapter	2	-	-	37197	37197
Retaining Screw Wrench	1	-	-	88475	88475
Thread Cleaning Tool	1	89316	89317	89318	89318
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

Tool Name	Qty. Req'd.	Line Stopper Unit 3SW			Line Stopper Unit 3SW-500			Line Stopper Unit 4SW
		4" H-17266	6" H-17266	8" H-17266	4" H-17266	6" H-17266	8" H-17266	10" and 12" H-17266
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	H-17342	H-17342	H-17342	H-17440
Gate Valve	2	83953	83953	83953	83721	83721	83721	83565/83318†
Valve Adapter	2	83513	501223	-	501361	63205	63193	681528**
Drilling Machine Adapter	1	36545	36545	36545	83730	83730	83730	83323
Cutter Hub	1	54526	54501	54653	54526	54501	54653	682782††
Shell Cutter	1	36472	36548	36521	36472	36548	36521	682780
Pilot Drill	1	580585	580585	580586	580585	580585	580586	682781
Steel Wedge Stopper*	2	89694	89696	89698	89694	89696	89698	89704
Completion Machine	1	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347	H-17445
Plug Alignment Tool	1	83774	83250	83250	83774	83250	83250	83250
Plug Inserting Tool	1	83772	83237	83237	83772	83237	83237	83237
Plug Extracting Tool	1	83773	83238	83238	83773	83238	83238	83238
Completion Plug Wrench	1	36404	36424	36424	36404	36424	36424	36424
Thread Cleaning Tool	1	680360	89319	89319	680360	89319	89319	89321
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\* Steel Wedge Stopper with urethane cover suitable for use with gas and petroleum.

\*\*Used with Gate Valve 83318.

†The 83565 Gate Valve has a maximum working pressure of 275 psig and the 83318 Gate Valve has a maximum working pressure of 500 psig.

†† Thick Wall 12" Shell Cutter option available.

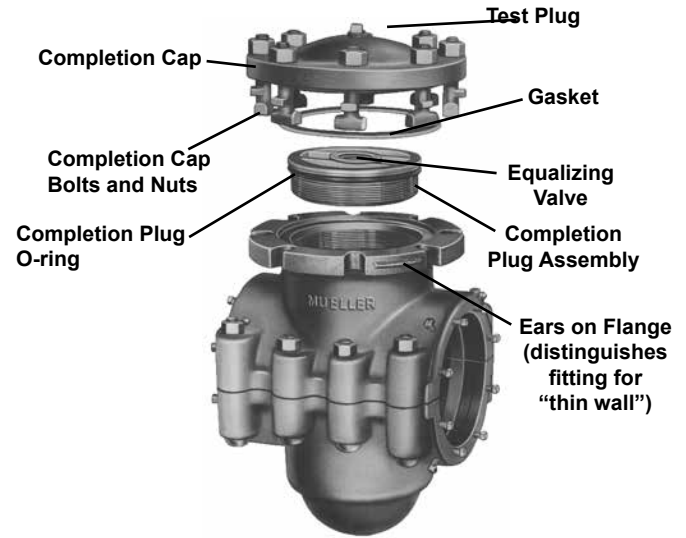
# MUELLER® LINE STOPPER FITTING MECHANICAL JOINT TYPE FOR THIN WALL STEEL PIPE - 175 PSIG



# 11.95

Shaded area indicates change Rev. 3-08

- Catalog number – H-17285
- Sizes – 6"
- For use on thin wall steel pipe
- Fittings for Thin Wall Steel Pipe can be recognized by added ears on flange, red paint and "THIN WALL" cast in plug.
- O-ring sealed cast iron (ASTM A126 CL.B) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are cast iron (ASTM A126 CL.B)
- Class 150 flange complies with dimensional requirements of ANSI B16.5
- 175 psig\*\* (1206 kPa) maximum working pressure at 100F (38C)



H-17285

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
6"	6-1/2"	6.625"	.280" (sch. 40)	.125"	6.375"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17285 Fittings

Drilling Machine	Line Stopper Units	
	Unit No. 3SW	Unit No. 3SW-500
	H-17285	
C1-36	6"	6"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
6"	36609	64134	36446 (8)	62945	83703	79477

Fitting Size*	Side Gasket	Long Bolts	Short Bolts	Gromets	Top End Gaskets	Bottom End Gaskets	End Gasket Followers	End Screws	Set Screws
6"	37820 (2)	61114 (4)	60862 (4)	37657 (8)	37822 (2)	37823 (2)	37824 (4)	92481 (16)	52973 (8)

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Rev. 3-08 Shaded area indicates changes

### Equipment required to install and stop-off H-17285 Mechanical Joint Line Stopper Fitting

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW	Line Stopper Unit No. 3SW-500
		6" H-17285	6" H-17285
Drilling Machine	1	C1-36	C1-36
Stopping Machine	2	H-17340	H-17342
Gate Valve	2	83953	83721
Valve Adapter	2	501223	63205
Drilling machine Adapter	1	36545	83730
Cutter Hub	1	83760	83760
Shell Cutter	1	63146	63146
Pilot Drill	1	83639	83639
Steel Wedge Stopper*	2	89700	89700
Completion Machine	1	H-17346	H-17347
Plug Alignment Tool	1	83250	83250
Plug Inserting Tool	1	83237	83237
Plug Extracting Tool	1	83238	83238
Completion Plug Wrench	1	36424	36424
Thread Cleaning Tool	1	89319	89319
Inspection Flange	1	H-17619	H-17619

\* Steel Wedge Stopper with polyurethane cover suitable for use with gas and petroleum.



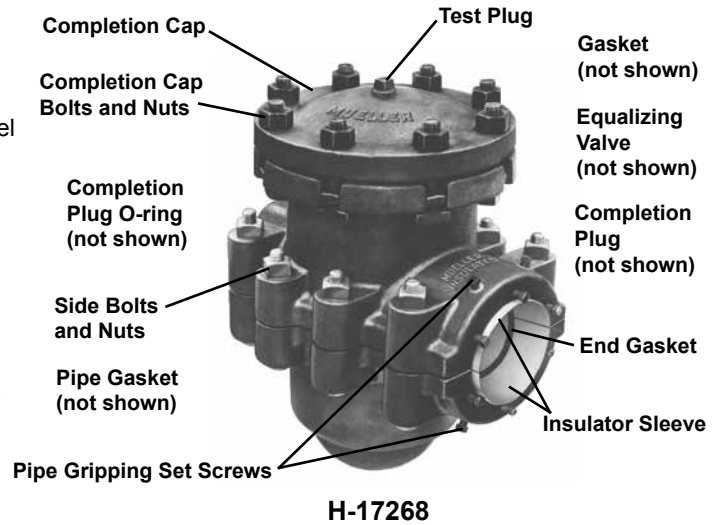
# MUELLER® INSULATED MECHANICAL JOINT STOPPER FITTING FOR STEEL PIPE - 125 PSIG



# 11.97

Shaded area indicates change Rev. 3-08

- Catalog number – H-17268
- Sizes – 3", 4", 6"
- Simple method for adding cathodic protection to existing steel pipe
- For use on steel pipe only
- O-ring sealed cast iron (ASTM A126 CL.B) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are cast iron (ASTM A126 CL.B)
- Class 150 flange complies with dimensional requirements of ANSI B16.5
- 125 psig\*\* (861 kPa) maximum working pressure at 100F (38C)



## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
3"	4-1/4"	3.500"	No limit	.188"	3.124"
4"	6-1/4"	4.500"	No limit	.188"	4.124"
6"	8-1/4"	6.625"	.280" (sch. 40)	.125"	6.375"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17268 Fittings

Drilling Machine	Line Stopper Units			
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500
	H-17268			
C1-36	3"	4" and 6"	3", 4" and 6"	3", 4" and 6"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
3"	507219	64134	36446 (8)	36377	83485	43917
4"	507122	64134	36446 (8)	62945	83703	79477
6"	507123	64134	503709 (8)	63094	83709	63359

Fitting Size*	Side Gasket	Long Bolts	Short Bolts	Gromets	Top End Gaskets	Bottom End Gaskets	End Gasket Followers	End Screws	Set Screws
3"	507215 (2)	60958 (4)	60862 (2)	37657 (8)	509034 (2)	509035 (2)	37704 (4)	90484 (6)	52973 (14)
4"	507118 (2)	61114 (4)	60862 (4)	37657 (8)	509036 (2)	509037 (2)	37813 (4)	-	52973 (20)
6"	507119 (2)	61114 (4)	60862 (4)	37657 (8)	509038 (2)	509039 (2)	37824 (4)	-	52973 (20)

Fitting Size*	Plastic Lock Inserts	Insulator Sleeves	Insulator Sleeves Inside	Insulator Sleeves Outside
3"	507215 (2)	-	507217 (4)	507218
4"	507216 (4)	-	507121 (4)	507236
6"	-	507120 (8)	-	

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Rev. 12-12 Shaded area indicates changes

### Equipment required to install and stop-off H-17268 Mechanical Joint Line Stopper Fitting

Tool Name	Quantity Required	Line Stopper Unit No. 2		Line Stopper Unit No. 3	
		3" H-17268	4" H-17268	4" H-17268	6" H-17268
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17235	H-17335	H-17335	H-17335
Gate Valve	2	88611	83953	83953	83953
Valve Adapter	2	-	501223	-	-
Drilling Machine Adapter	1	36343	36545	36545	36545
Cutter Hub	1	54526	54501	54653	54653
Shell Cutter	1	36472	36548	36521	36521
Pilot Drill	1	580585	580585	580586	580586
Solid Rubber Stopper	2	88614	682365	88699	88699
Top Bypass Rubber Stopper	2	88613	-	-	-
Full Bypass Rubber Stopper	2	680515	682364	680517	680517
Completion Machine	1	H-17246	H-17345	H-17345	H-17345
Plug Alignment Tool	1	83522	83519	83519	83519
Plug Inserting Tool	1	83520	83517	83517	83517
Plug Extracting Tool	1	83521	83518	83518	83518
Completion Plug Wrench	1	36404	36424	36424	36424
Tool Adapter	2	-	37197	37197	37197
Retaining Screw Wrench	1	-	88475	88475	88475
Thread Cleaning Tool	1	89317	89318	89318	89318
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

Tool Name	Quantity Required	Line Stopper Unit No. 3SW			Line Stopper Unit No. 3SW-500		
		3" H-17268	4" H-17268	6" H-17268	3" H-17268	4" H-17268	6" H-17268
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	H-17342	H-17342	H-17342
Gate Valve	2	83953	83953	83953	83721	83721	83721
Valve Adapter	2	83513	501223	-	501361	63205	63193
Drilling Machine Adapter	1	36545	36545	36545	83730	83730	83730
Cutter Hub	1	54526	54501	54653	54526	54501	54653
Shell Cutter	1	36472	36548	36521	36472	36548	36521
Pilot Drill	1	580585	580585	580586	580585	580585	580586
Steel Wedge Stopper*	2	89694	89696	89698	89694	89696	89698
Completion Machine	1	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347
Plug Alignment Tool	1	83774	83250	83250	83774	83250	83250
Plug Inserting Tool	1	83772	83237	83237	83772	83237	83237
Plug Extracting Tool	1	83773	83238	83238	83773	83238	83238
Completion Plug Wrench	1	36404	36424	36424	36404	36424	36424
Thread Cleaning Tool	1	680360	89319	89319	680360	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\* Steel Wedge Stopper with polyurethane cover suitable for use with gas and petroleum.

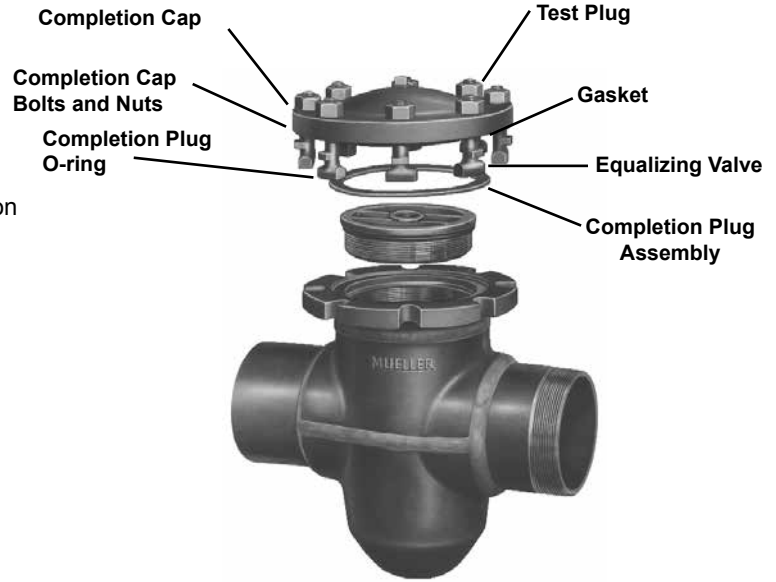
# MUELLER® EXTENSION (DEAD END) LINE STOPPER FITTING WELDING TYPE - 275 PSIG



# 11.99

Shaded area indicates change Rev. 3-08

- Catalog number – H-17251
- Sizes – 4", 6", 8"
- Used to extend dead ends
- For use on steel pipe only
- O-ring sealed cast iron (ASTM A126 CL.B) Completion Plug with equalizing valve
- Completion Cap cast iron (ASTM A126 CL.B)
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Class 150 flange complies with dimensional requirements of ANSI B16.5
- 275 psig\*\* (1896 kPa) maximum working pressure at 100F (38C)



H-17251

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Pipe	Pipe Dimensions		
		Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
4"	4.500"	No limit	.188"	4.124"
6"	6.625"	.432" (sch. 80)	.250"	6.125"
8"	8.625"	.406" (sch. 60)	.250"	8.125"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
4"	36592	64134	36731 (8)	36377	83485	43917
6"	36609	64134	36446 (8)	62945	83487	79895
8"	36625	64134	503709 (8)	63094	83493	79020

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Rev. 3-08 Shaded area indicates changes

### Equipment required to install and stop-off H-17251 extension (dead end) type welding Line Stopper Fitting

Tool Name	Quantity Required	Line Stopper Unit No. 2		Line Stopper Unit No. 3	
		4" H-17251		6" H-17251	8" H-17251
Stopping Machine	2	H-17235		H-17235	H-17335
Gate Valve	2			83953	83953
Valve Adapter	2	-		501223	-
Solid Rubber Stopper	2	88614		682365	88699
Top Bypass Rubber Stopper	2	88613		682364	88626
Full Bypass Rubber Stopper	2	680515		682364	680517
Completion Machine	1	H-17246		H-17345	H-17345
Plug Alignment Tool	1	83522		83519	83519
Plug Inserting Tool	1	83520		83517	83517
Plug Extracting Tool	1	83521		83518	83518
Completion Plug Wrench	1	36404		36424	36424
Tool Adapter	2	-		37197	37197
Retaining Screw Wrench	1	-		88475	88475
Thread Cleaning Tool	1	89317		89318	89318
Inspection Flange	1	H-17619		H-17619	H-17619

Tool Name	Quantity Required	Line Stopper Unit No. 3SW			Line Stopper Unit No. 3SW-500		
		4" H-17251	6" H-17251	8" H-17251	4" H-17251	6" H-17251	8" H-17251
Stopping Machine	2	H-17340	H-17340	H-17340	H-17342	H-17342	H-17342
Gate Valve	2	83953	83953	83953	83721	83721	83721
Valve Adapter	2	83513	501223	-	501361	63205	63193
Steel Wedge Stopper*	1	89694	89696	89698	89694	89696	89698
Completion Machine	1	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347
Plug Alignment Tool	1	83774	83250	83250	83774	83250	83250
Plug Inserting Tool	1	83772	83237	83237	83772	83237	83237
Plug Extracting Tool	1	83773	83238	83238	83773	83238	83238
Completion Plug Wrench	1	36404	36424	36424	36404	36424	36424
Thread Cleaning Tool	1	680360	89319	89319	680360	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\* Steel Wedge Stopper with urethane cover suitable for use with gas and petroleum.

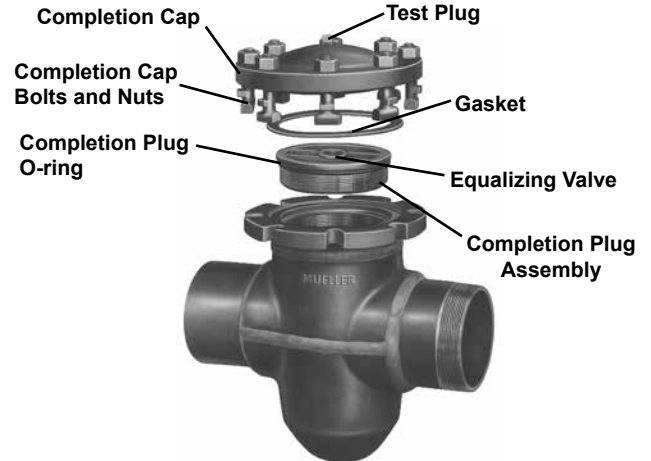
# MUELLER® LINE STOPPER FITTING EXTENSION (LATERAL) TYPE - 275 PSIG



# 11.101

Shaded area indicates change Rev. 3-08

- Catalog number – H-17252
- Sizes – 3", 4", 6", 8"
- Extension Stopper fitting for making lateral connections
- For use on steel pipe only
- O-ring sealed cast iron (ASTM A126 CL.B) Completion Plug with equalizing valve
- Completion Cap cast iron (ASTM A126 CL.B)
- Flange, fitting top and bottom halves are forged steel (ASTM A105)
- Class 150 flange complies with dimensional requirements of ANSI B16.5
- 275 psig\*\* (1896 kPa) maximum working pressure at 100F (38C)



**H-17252**

## Pipe Dimension

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
3"	3-1/4"	3.500"	No limit	.188"	3.124"
4"	4-1/4"	4.500"	No limit	.188"	4.124"
6"	6-1/4"	6.625"	.432" (sch. 80)	.250"	6.125"
8"	8-1/4"	8.625"	.406" (sch. 60)	.250"	8.125"

## Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17252 Fittings

Drilling Machine	Line Stopper Units			
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500
	H-17252			
C1-36	3" and 4"	6" and 8"	4", 6" and 8"	4", 6" and 8"

## Replacement Parts

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
3"	36590	64134	503708 (6)	43959	83484	43922
4"	36592	64134	36731 (8)	36377	83485	43917
6"	36609	64134	36446 (8)	62945	83487	79895
8"	36625	64134	503709 (8)	63094	83493	79020

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Rev. 3-08 Shaded area indicates changes

### Equipment required to install and stop-off H-17252 extension (lateral) Line Stopper Fitting

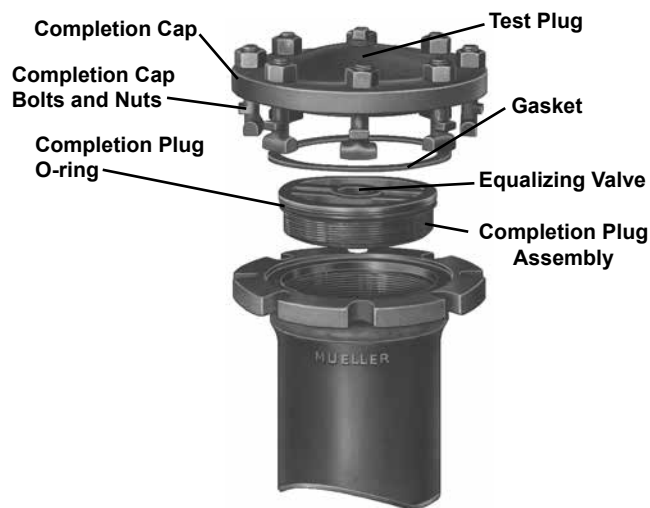
Tool Name	Quantity Required	Line Stopper Unit No. 2		Line Stopper Unit No. 3	
		3" H-17252	4" H-17252	6" H-17252	8" H-17252
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17235	H-17235	H-17335	H-17335
Gate Valve	2	88611	88611	83953	83953
Valve Adapter	2	36461	-	501223	-
Drilling Machine Adapter	1	89433	89434	89435	89436
Cutter Arbor	1	88338	-	-	-
Cutter Hub	1	-	88340	63978	33996
Shell Cutter	1	33518	33519	36004	33999
Pilot Drill	1	33976	33976	36005	64244
Solid Rubber Stopper	1	88610	88614	682365	88699
Top Bypass Rubber Stopper	1	88609	88613	88625	88626
Full Bypass Rubber Stopper	2	680514	680515	682364	680517
Completion Machine	1	H-17246	H-17246	H-17345	H-17345
Plug Alignment Tool	1	83522	83522	83519	83519
Plug Inserting Tool	1	83520	83520	83517	83517
Plug Extracting Tool	1	83521	83521	83518	83518
Completion Plug Wrench	1	36404	36404	36424	36424
Inserting Bar Ext. Spacer	1	505554	-	-	-
Inserting Bar Ext. Sleeve	1	505555	-	-	-
Tool Adapter	1	-	-	37197	37197
Retaining Screw Wrench	1	-	-	88475	88475
Thread Cleaning Tool	1	89316	89317	89318	89318
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

Tool Name	Quantity Required	Line Stopper Unit No. 3SW			Line Stopper Unit No. 3SW-500		
		4" H-17252	6" H-17252	8" H-17252	4" H-17252	6" H-17252	8" H-17252
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	17340	17340	H-17342	H-17342	H-17342
Gate Valve	2	83953	83953	83953	83721	83721	83721
Valve Adapter	2	83513	501223	-	501361	63205	63193
Drilling Machine Adapter	1	89434	89435	89436	89434	89435	89436
Cutter Hub	1	88340	63978	33996	88340	63978	33996
Shell Cutter	1	33519	36004	33999	33519	36004	33999
Pilot Drill	1	33976	36005	64244	33976	36005	64244
Steel Wedge Stopper*	2	89694	89696	89698	89694	89696	89698
Completion Machine	1	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347
Plug Alignment Tool	1	83774	83250	83250	83774	83250	83250
Plug Inserting Tool	1	83772	83237	83237	83772	83237	83237
Plug Extracting Tool	1	83773	83238	83238	83773	83238	83238
Completion Plug Wrench	1	36404	36424	36424	36404	36424	36424
Thread Cleaning Tool	1	680360	89319	89319	680360	89319	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\* Steel Wedge Stopper with urethane cover suitable for use with gas and petroleum.

Catalog number – H-17495

- Sizes – 4" x 6"\*\*, 6" x 12"\*\*\*
- Used for purging and bypassing
- For use on steel pipe only
- O-ring sealed cast iron (ASTM A126 CL.B) Completion Plug with equalizing valve
- Completion Cap cast iron (ASTM A126 CL. B)
- Flange and fitting body are forged steel (ASTM A105)
- Class 150 flange complies with ANSI B16.5
- 275 psig\*\*\* (1896 kPa) maximum working pressure at 100F (38C)



**H-17495**

**Pipe Dimension**

Size* of Drilling Nipple	Nipple Length	Size of Pipe Nipple Contoured For	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
					Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
4" x 6"***	6"	6"	3-1/2"	6.625"	.432" (sch. 80)	.250"	6.125"
6" x 12"***	12"	8"	5-1/2"	8.625"	.406" (sch. 60)	.250"	8.125"

**Drilling/Completion Machine combinations that can be used to install and complete H-17495 Fittings**

Drilling Machine	Completion Units			
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500
	H-17495			
C1-36	4"	6"	4" and 6"	4" and 6"

**Replacement Parts**

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
4"	36592	64134	36731 (8)	36377	83485	43917
6"	36609	64134	36446 (8)	62945	83487	79895

\*Nominal

\*\*The 4" x 6" fitting is contoured to fit 6" standard steel pipe and the 6" x 12" fitting is contoured to fit 8" standard steel pipe.

\*\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install H-17495 Mueller SAVE-A-VALVE® Drilling Nipple

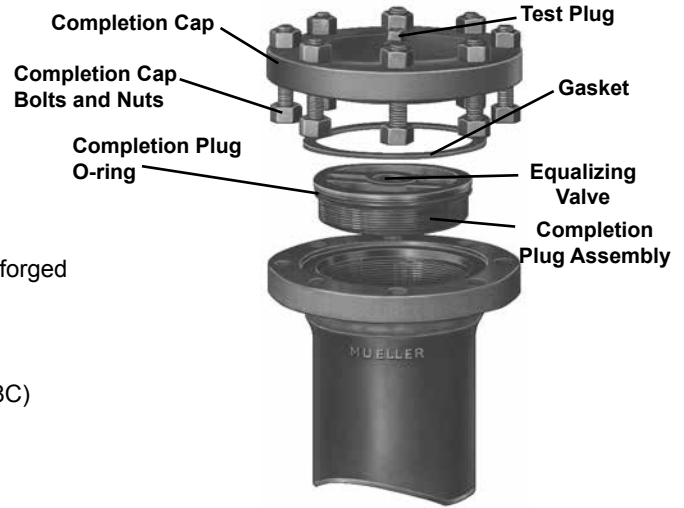
Tool Name	Quantity Required	Line Stopper Unit No. 2		Line Stopper Unit No. 3	
		4" H-17495		6" H-17495	
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Gate Valve	2	88611	88611	83953	83953
Valve Adapter	2	-	-	501223	501223
Drilling Machine Adapter	1	36343	36343	36545	36545
Cutter Hub	1	88340	88340	63978	63978
Shell Cutter	1	3-1/2" 33519	3-1/2" 33519	5-1/2" 36004	5-1/2" 36004
Pilot Drill	1	33976	33976	36005	36005
Completion Machine	1	H-17246	H-17246	H-17345	H-17345
Plug Alignment Tool	1	83522	83522	83519	83519
Plug Inserting Tool	1	83520	83520	83517	83517
Plug Extracting Tool	1	83521	83521	83518	83518
Completion Plug Wrench	1	36404	36404	36424	36424
Thread Cleaning Tool	1	89316	89316	89318	89318
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

Tool Name	Quantity Required	Line Stopper Unit No. 3SW		Line Stopper Unit No. 3SW-500	
		4" H-17495	6" H-17495	4" H-17495	6" H-17495
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Gate Valve	2	83953	83953	83721	83721
Valve Adapter	2	83513	501223	501361	63205
Drilling Machine Adapter	1	36545	36545	83730	83730
Cutter Hub	1	88340	63978	88340	63978
Shell Cutter	1	3-1/2" 33519	5-1/2" 36004	3-1/2" 33519	5-1/2" 36004
Pilot Drill	1	33976	36005	33976	36005
Completion Machine	1	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83774	83250	83774	83250
Plug Inserting Tool	1	83772	83237	83772	83237
Plug Extracting Tool	1	83773	83238	83773	83238
Completion Plug Wrench	1	36404	36424	36404	36424
Thread Cleaning Tool	1	680360	89319	680360	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619



Catalog number – H-17496

- Sizes\* – 4" x 6"\*\*, 8" x 12"\*\*\*
- Used for purging and bypassing
- For use on steel pipe only
- O-ring sealed steel (ASTM A216 GR. WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, and fitting top and bottom halves are forged steel (ASTM A105)
- Class 300 flange complies with ANSI B16.5
- 720 psig\*\*\* (4964 kPa) maximum working pressure at 100F (38C)



**H-17496**

**Pipe Dimension**

Size* of Drilling Nipple	Nipple Length	Size of Pipe Nipple Contoured For	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
					Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
4" x 6"***	6"	6"	3-1/2"	6.625"	.432" (sch. 80)	.250"	6.125"
8" x 12"***	12"	10"	7-1/2"	10.750"	No limit	No limit	No limit

**Drilling/Completion Machine combinations that can be used to install and complete H-17496 Fittings**

Drilling machine	Completion Units			
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500
	H-17495			
C1-36	4"	8"	4" and 8"	4" and 8"

**Replacement Parts**

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
4" x 6"***	64204	64134	43911 (8)	36377	83490	43917
8" x 12"***	64206	64134	43908 (8)	63057	83492	79020

\*Nominal

\*\*The 4" x 6" fitting is contoured to fit 6" standard steel pipe and the 8" x 12" fitting is contoured to fit 10" standard steel pipe.

\*\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

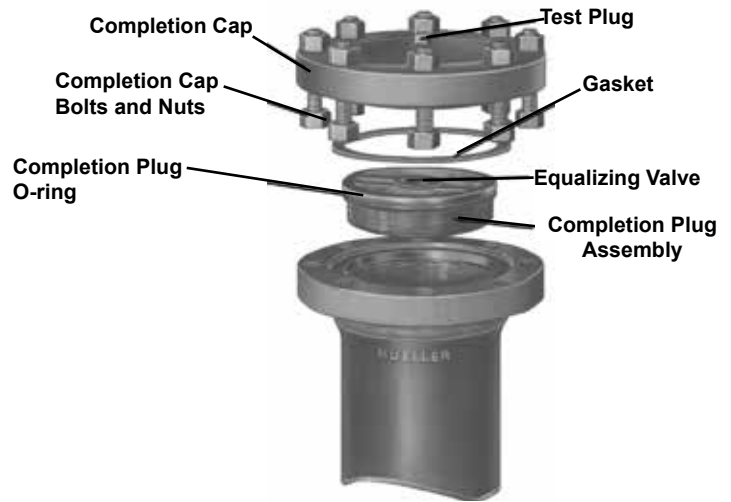
### Equipment required to install H-17496 Mueller SAVE-A-VALVE® Drilling Nipple

Tool Name	Quantity Required	Line Stopper Unit No. 2		Line Stopper Unit No. 3	
		4" H-17496		8" H-17496	
Drilling Machine	1	C1-36		C1-36	
Gate Valve	2	88611		83953	
Valve Adapter	2	37153		502289	
Drilling Machine Adapter	1	36343		89632	
Cutter Hub	1	88340		33996	
Shell Cutter	1	3-1/2" 33519		7-1/2" 33999	
Pilot Drill	1	33976		64244	
Completion Machine	1	H-17246		H-17345	
Plug Alignment Tool	1	83522		83519	
Plug Inserting Tool	1	83520		83517	
Plug Extracting Tool	1	83521		83518	
Completion Plug Wrench	1	36404		36424	
Thread Cleaning Tool	1	89316		89318	
Inspection Flange	1	H-17619		H-17619	

Tool Name	Quantity Required	Line Stopper Unit No. 3SW		Line Stopper Unit No. 3SW-500	
		4" H-17496	8" H-17496	4" H-17496	8" H-17496
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Gate Valve	2	83953	83953	83721	83721
Valve Adapter	2	83697	502289	500021	-
Drilling Machine Adapter	1	36545	89632	83730	89341
Cutter Hub	1	88340	33996	88340	33996
Shell Cutter	1	3-1/2" 33519	7-1/2" 33999	3-1/2" 33519	7-1/2" 33999
Pilot Drill	1	33976	64244	33976	64244
Completion Machine	1	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83774	83250	83774	83250
Plug Inserting Tool	1	83772	83237	83772	83237
Plug Extracting Tool	1	83773	83238	83773	83238
Completion Plug Wrench	1	36404	36424	36404	36424
Thread Cleaning Tool	1	680360	89319	680360	89319
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

Catalog number – H-17497

- Sizes – 4" x 6"\*\*\*
- Used for purging and bypassing
- For use on steel pipe only
- O-ring sealed steel (ASTM A216 GR. WCB) Completion Plug with equalizing valve
- Flange, Completion Cap and fitting are forged steel (ASTM A105)
- Class 400 flange complies with dimensional requirements of ANSI B16.5
- 960 psig\*\*\* (6618 kPa) maximum working pressure at 100F (38C)



**H-17497**

**Pipe Dimension**

Size* of Drilling Nipple	Nipple Length	Size of Pipe Nipple Contoured For	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
					Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
4" x 6"***	6"	6"	3-1/2"	6.625"	.432" (sch. 80)	.250"	6.125"

\*Nominal

**Drilling/Completion Machine combinations that can be used to install and complete H-17497 Fittings Replacement Parts**

Drilling Machine	Completion Units		
	Unit No. 2	Unit No. 3SW	Unit No. 3SW-500
	H-17497		
C1-36	4"	4"	4"

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
4" x 6"***	42039	64134	46710 (8)	36377	83490	43917

\*\*The 4" x 6" fitting is contoured to fit 6" standard steel pipe.

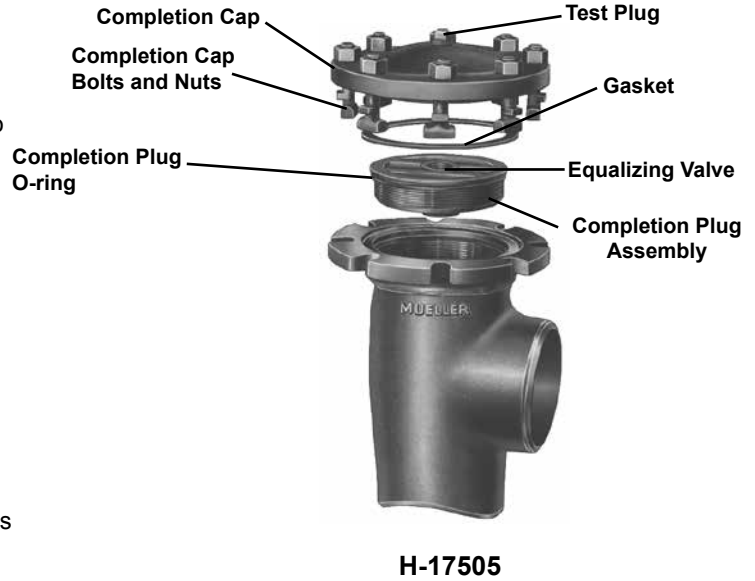
\*\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

### Equipment required to install and stop-off H-17497 Mueller SAVE-A-VALVE® Drilling Nipple

Tool Name	Qty. Req'd.	Line Stopper Unit No. 2
		4" x 6" H-17497
Drilling Machine	1	C1-36
Gate Valve	2	88611
Valve Adapter	2	37153
Drilling Machine Adapter	1	36343
Cutter Hub	1	88340
Shell Cutter	1	3-1/2" 33519
Pilot Drill	1	33976
Completion Machine	1	H-17246
Plug Alignment Tool	1	83522
Plug Inserting Tool	1	83520
Plug Extracting Tool	1	83521
Completion Plug Wrench	1	36404
Thread Cleaning Tool	1	89316
Inspection Flange	1	H-17619

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW	Line Stopper Unit No. 3SW-500
		4" x 6" H-17496	4" x 6" H-17496
Drilling Machine	1	C1-36	C1-36
Gate Valve	2	83953	83721
Valve Adapter	2	83697	500021
Drilling Machine Adapter	1	36545	83730
Cutter Hub	1	88340	88340
Shell Cutter	1	3-1/2" 33519	3-1/2" 33519
Pilot Drill	1	33976	33976
Completion Machine	1	H-17346	H-17347
Plug Alignment Tool	1	83774	83774
Plug Inserting Tool	1	83772	83772
Plug Extracting Tool	1	83773	83773
Completion Plug Wrench	1	36404	36404
Thread Cleaning Tool	1	680360	680360
Inspection Flange	1	H-17619	H-17619

- Catalog number – **H-17505**
- Sizes – 3", 4", 6", 8"
- For use on steel pipe only---bottom of tee is contoured to fit pipe one size larger than nominal size of tee
- O-ring sealed cast iron (ASTM A126 CL. B) Completion Plug with equalizing valve
- Completion Cap cast iron (ASTM A126 CL. B)
- Flange and tee body are forged steel (ASTM A105)
- Also available with flat bottom (non-contoured and non-beveled) using H-17505-99000
- For inlet beveled but not contoured, use H-17505-99001
- Class 150 flange complies with dimensional requirements of ANSI B16.5
- 275 psig\*\* (1896 kPa) maximum working pressure



**Pipe Dimension**

Size* of Flanged Fitting	Size of Pipe Tee Is Contoured For	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
				Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
3"	4"	2-1/2"	3.500"	No limit	.188"	3.124"
4"	6"	3-1/2"	4.500"	No limit	.188"	4.124"
6"	8"	5-1/2"	6.625"	.432" (sch. 80)	.250"	6.125"
8"	10"	7-1/2"	8.625"	.406" (sch. 60)	.250"	8.125"

**Drilling/Line Stopping Machine combinations that can be used to install and stop-off H-17505 Tees**

Drilling Machine	Line Stopper Units			
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500
	H-17505			
C1-36	3" and 4"	6" and 8"	4", 6" and 8"	4", 6" and 8"

**Replacement Parts**

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
3"	36590	64134	503708 (6)	43959	83484	43922
4"	36592	64134	36731 (8)	36377	83485	43917
6"	36609	64134	36446 (8)	62945	83487	79895
8"	36625	64134	503709 (8)	63094	83493	79020

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Rev. 2-17 Shaded area indicates changes

## Equipment required to install and stop-off H-17505 Flanged Tee

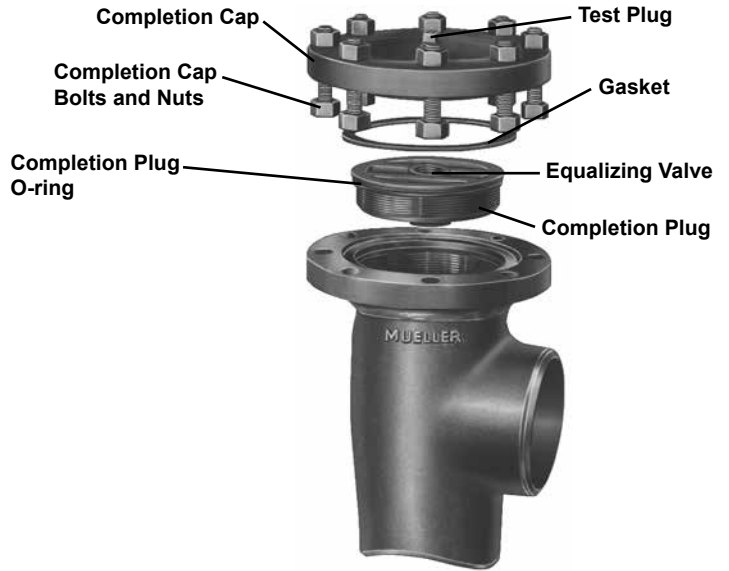
Tool Name	Qty. Req'd.	Line Stopper Unit No. 2		Line Stopper Unit No. 3	
		3" H-17505	4" H-17505	6" H-17505	8" H-17505
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17235	H-17235	H-17335	H-17335
Gate Valve	2	88611	88611	83953	83953
Valve Adapter	2	36461	-	501223	-
Drilling Machine Adapter	1	36343	36343	36545	89632
Cutter Arbor	1	88338	88340	-	-
Cutter Hub	1	-	-	63978	33996
Shell Cutter	1	2-1/2" 33518	3-1/2" 33519	5-1/2" 36004	7-1/2" 33999
Pilot Drill	1	33976	33976	36005	64244
Expanding Rubber Stopper	1	83504	83506	682337	682339
Stopper Adapter	1	-	-	528162	528162
Completion Machine	1	H-17246 (optional)	H-17246 (optional)	H-17345	H-17345
Plug Alignment Tool	1	83522	83522	83519	83519
Plug Inserting Tool	1	83520	83520	83517	83517
Plug Extracting Tool	1	83521	83521	83518	83518
Completion Plug Wrench	1	36404	36404	36424	36424
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW			Line Stopper Unit No. 3SW-500		
		4" H-17505	6" H-17505	8" H-17505	4" H-17505	6" H-17505	8" H-17505
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	-	-	-
Gate Valve	2	83953	83953	83953	83721	83721	83721
Valve Adapter	2	83513	501223	-	501361	63205	63193
Drilling Machine Adapter	1	36545	36545	89632	89341	89341	89341
Cutter Arbor	1	88340	-	-	88340	-	-
Cutter Hub	1	-	63978	33996	-	63978	33996
Shell Cutter	1	3-1/2" 33519	5-1/2" 36004	7-1/2" 33999	3-1/2" 33519	5-1/2" 36004	7-1/2" 33999
Pilot Drill	1	33976	36005	64244	33976	36005	64244
Expanding Rubber Stopper	1	83506*	682337*	682339*	-	-	-
Stopper Adapter	1	528161	-	-	-	-	-
Completion Machine	1	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347
Plug Alignment Tool	1	83774	83250	83250	83774	83250	83250
Plug Inserting Tool	1	83772	83237	83237	83772	83237	83237
Plug Extracting Tool	1	83773	83238	83238	83773	83238	83238
Completion Plug Wrench	1	36404	36424	36424	36404	36424	36424
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

† Furnished with Completion Machine.

\* 4" and 6" stopping pressure limited to 250 PSIG. 8" stopping pressure limited to 200 PSIG.

- Catalog number – **H-17506**
- Sizes – 3", 4", 6", 8"
- For use on steel pipe only---bottom of tee is contoured to fit pipe one size larger than nominal size of tee
- Also available with flat bottom (no contour/no bevel) using H-17506-99000
- For inlet beveled but not contoured, use H-17506-99001
- O-ring sealed steel (ASTM A216 GR. WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, and Tee Body are Forged Steel (ASTM A105)
- Class 300 flange complies with dimensional requirements of ANSI B16.5
- 720 psig\*\* (4136 kPa) maximum working pressure



**H-17506**

**Pipe Dimension**

Size* of Line Stopper Fitting	Size of Pipe Tee Is Contoured For	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
				Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
3"	4"	2-1/2"	3.500"	No limit	.188"	3.124"
4"	6"	3-1/2"	4.500"	No limit	.188"	4.124"
6"	8"	5-1/2"	6.625"	.432" (sch. 80)	.250"	6.125"
8"	10"	7-1/2"	8.625"	.406" (sch. 60)	.250"	8.125"

**Drilling/Stopping Machine combinations that can be used to install and stop-off H-17506 tees**

Drilling Machine	Line Stopper Units			
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500
	<b>H-17506</b>			
C1-36	3" and 4"	6" and 8"	4", 6" and 8"	4", 6" and 8"

**Replacement Parts**

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
3"	64203	64134	43912 (8)	43959	83489	43922
4"	64204	64134	43911 (8)	36377	83490	43917
6"	64205	64134	500894 (12)	62945	83491	79895
8"	64206	64134	43908 (12)	63057	83492	79020

\*Nominal

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

## Equipment required to install and stop-off H-17506 Flanged Tee

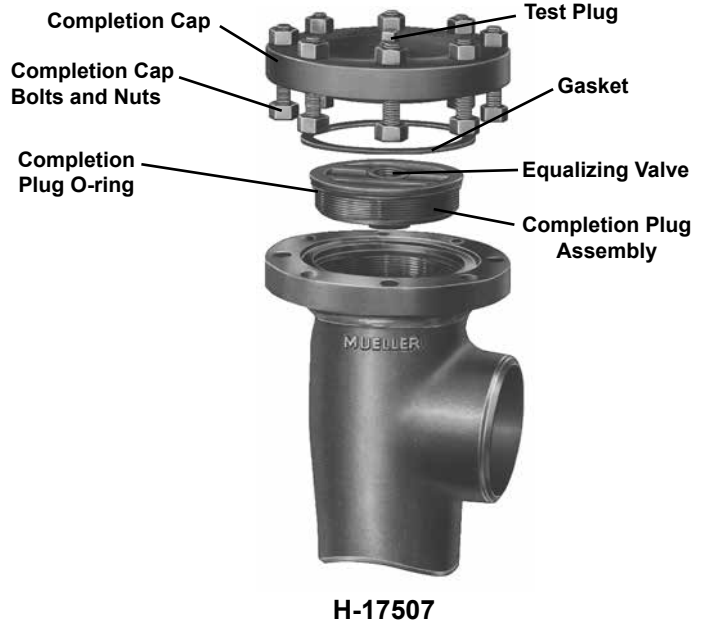
Tool Name	Qty. Req'd.	Line Stopper Unit No. 2		Line Stopper Unit No. 3	
		3" H-17506	4" H-17506	6" H-17506	8" H-17506
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17235	H-17235	H-17235	H-17335
Gate Valve	2	88611	88611	83953	83953
Valve Adapter	2	37149	37153	501224	502289
Drilling Machine Adapter	1	36343	36343	36545	89632
Cutter Arbor	1	88338	88340	-	-
Cutter Hub	1	-	-	63978	33996
Shell Cutter	1	2-1/2" 33518	3-1/2" 33519	5-1/2" 36004	7-1/2" 33999
Pilot Drill	1	33976	33976	36005	64244
Expanding Rubber Stopper	1	83504	83506	682337	682339
Stopper Adapter	1	-	-	528162	528162
Completion Machine	1	H-17246 (optional)	H-17246 (optional)	H-17345	H-17345
Plug Alignment Tool	1	83522	83522	83519	83519
Plug Inserting Tool	1	83520	83520	83517	83517
Plug Extracting Tool	1	83521	83521	83518	83518
Completion Plug Wrench	1	36404	36404	36424	36424
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

Tool Name	Qty. Req'd.	Line Stopper Unit No. 3SW			Line Stopper Unit No. 3SW-500		
		4" H-17506	6" H-17506	8" H-17506	4" H-17506	6" H-17506	8" H-17506
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	H-17340	-	-	-
Gate Valve	2	83953	83953	83953	83721	83721	83721
Valve Adapter	2	83697	501224	502289	500021	63261	-
Drilling Machine Adapter	1	36545	36545	36545	89341	89341	89341
Cutter Arbor	1	88340	-	-	88340	-	-
Cutter Hub	1	-	63978	33996	-	63978	33996
Shell Cutter	1	3-1/2" 33519	5-1/2" 36004	7-1/2" 33999	3-1/2" 33519	5-1/2" 36004	7-1/2" 33999
Pilot Drill	1	33976	36005	64244	33976	36005	64244
Expanding Rubber Stopper	1	83506 *	682337 *	682339 *	-	-	-
Stopper Adapter		528161	-	-	-	-	-
Completion Machine	1	H-17346	H-17346	H-17346	H-17347	H-17347	H-17347
Plug Alignment Tool	1	83774	83250	83250	83774	83250	83250
Plug Inserting Tool	1	83772	83237	83237	83772	83237	83237
Plug Extracting Tool	1	83773	83238	83238	83773	83238	83238
Completion Plug Wrench	1	36404	36424	36424	36404	36424	36424†
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619	H-17619	H-17619

\* 4" and 6" stopping pressure limited to 250 PSIG. 8" stopping pressure limited to 200 PSIG.



- Catalog number – H-17507
- Sizes – 4"‡
- For use on steel pipe only
- For no contour or bevel at inlet, use H-17507-99000
- O-ring sealed steel (ASTM A216 GR. WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Class 400 flange complies with dimensional requirements of ANSI B16.5
- 800 psig\*\* (5515 kPa) maximum working pressure



**Pipe Dimension**

Size* of Line Stopper Fitting	Size of Pipe Tee Is Contoured For	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
				Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
4"	6"	3-1/2"	4.500"	No limit	.188"	4.124"

\*Nominal

**Drilling/Stopping Machine combinations that can be used to install and stop-off H-17507 tees**

Drilling Machine	Line Stopper Units		
	Unit No. 2	Unit No. 3SW	Unit No. 3SW-500
	H-17507		
C1-36	4"	4"	4"

**Replacement Parts**

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
6"	42039	64134	43912 (8)	36377	83490	43917

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.  
‡ Requires minimum ordering quantity. Contact MUELLER Customer Service Center for minimum ordering requirements and availability.

Rev. 2-16 Shaded area indicates changes

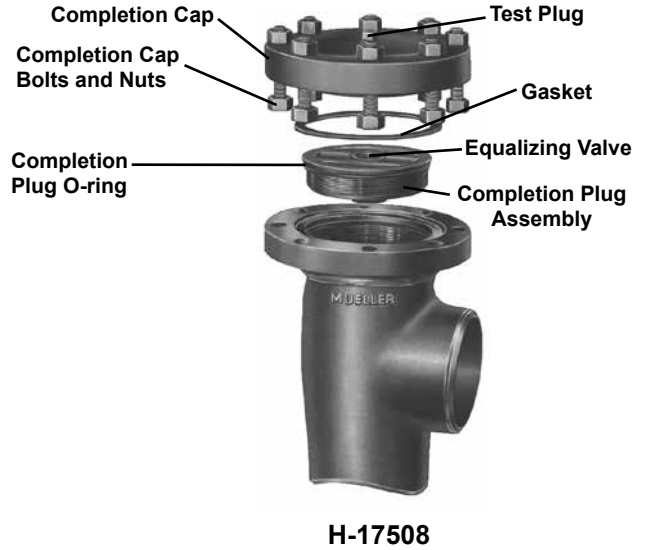
## Equipment required to install and stop-off H-17507 Flanged Tee

Tool Name	Quantity Required	Line Stopper Unit No. 2
		4" H-17507
Drilling Machine	1	C1-36
Stopping Machine	1	H-17235
Gate Valve	1	88611
Valve Adapter	1	37153
Drilling Machine Adapter	1	36343
Cutter Arbor	1	88340
Shell Cutter	1	3-1/2" 33519
Pilot Drill	1	33976
Expanding Rubber Stopper	1	83506
Completion Machine	1	H-17246 (optional)
Plug Alignment Tool	1	83522
Plug Inserting Tool	1	83520
Plug Extracting Tool	1	83521
Completion Plug Wrench	1	36404
Inspection Flange	1	H-17619

Tool Name	Quantity Required	Line Stopper Unit No. 3SW	Line Stopper Unit No. 3SW-500
		4" H-17507	4" H-17507
Drilling Machine	1	C1-36	C1-36
Stopping Machine	1	H-17340	-
Gate Valve	1	83953	83721
Valve Adapter	1	83697	500021
Drilling Machine Adapter	1	36545	89341
Cutter Arbor	1	88340	88340
Shell Cutter	1	3-1/2" 33519	3-1/2" 33519
Pilot Drill	1	33976	33976
Expanding Rubber Stopper	1	83506 *	-
Stopper Adapter	1	528161	-
Completion Machine	1	H-17346	H-17347
Plug Alignment Tool	1	83774	83774
Plug Inserting Tool	1	83772	83772
Plug Extracting Tool	1	83773	83773
Completion Plug Wrench	1	36404	36404
Inspection Flange	1	H-17619	H-17619

\* Stopping pressure limited to 250 psig

- Catalog number – H-17508
- Sizes – 4", 6"
- For use on steel pipe only---bottom of pipe is contoured to fit pipe one size larger than nominal size of tee
- For no contour or bevel at inlet, use H-17508-99000
- Meets all applicable parts of D.O.T./CFR TITLE 49 PART 192
- O-ring sealed steel (ASTM A216 GR. WCB) Completion Plug with equalizing valve
- Flange, Completion Cap, fitting top and bottom halves are forged steel (ASTM A105)
- Class 600 flange complies with dimensional requirements of ANSI B16.5
- 1200 psig\*\* (8273 kPa) maximum working pressure



**Pipe Dimension**

Size* of Line Stopper Fitting	Outside Diameter of Shell Cutter Required	Outside Diameter of Pipe	Pipe Dimensions		
			Maximum Wall Thickness	Minimum Wall Thickness	Maximum Inside Diameter
4"	3-1/2"	4.500"	No limit	.188"	4.124"
6"	5-1/2"	6.625"	.432" (sch. 80)	.250"	6.125"

\*Nominal

**Drilling/Stopping Machine combinations that can be used to install and stop-off H-17508 tees**

Drilling Machine	Line Stopper Units			
	Unit No. 2	Unit No. 3	Unit No. 3SW	Unit No. 3SW-500
	H-17508			
C1-36	4"	6"	4" and 6"	4" and 6"

**Replacement Parts**

Fitting Size*	Completion Cap	Test Plug	Completion Cap Bolts and Nuts (No. Required)	Completion Cap Gasket	Completion Plug Assembly	O-ring Seal
4"	46708	64134	46710 (8)	36377	83490	43917
6"	79891	64134	501192 (12)	62945	83491	79895

\*\*This is the maximum pressure of the fitting installed in the line at 100F for Class Locations 1, 2, 3 and 4 as defined in D.O.T./CFR TITLE 49 PART 192. It may be necessary to reduce the line pressure during the drilling, stopping or plugging operations to the maximum working pressure of the machine or its attachments.

Rev. 2-16 Shaded area indicates changes

## Equipment required to install and stop-off H-17508 Flanged Tee

Tool Name	Quantity Required	Line Stopper Unit No. 2	Line Stopper Unit No. 3
		4" H-17508	6" H-17508
Drilling Machine	1	C1-36	C1-36
Stopping Machine	1	H-17235	H-17235
Gate Valve	1	88611	83953
Valve Adapter	1	83164	501224
Drilling Machine Adapter	1	36343	36545
Cutter Arbor	1	88340	-
Cutter Hub	1	-	63978
Shell Cutter	1	3-1/2" 33519	5-1/2" 36004
Pilot Drill	1	33976	36005
Expanding Rubber Stopper	1	83506	682337
Replacement Rubber Only	-	53407	53439
Stopper Adapter	1	-	528162
Completion Machine	1	H-17246 (optional)	H-17345
Plug Alignment Tool	1	83522	83519
Plug Inserting Tool	1	83520	83517
Plug Extracting Tool	1	83521	83518
Completion Plug Wrench	1	36404	36424
Inspection Flange	1	H-17619	H-17619

Tool Name	Quantity Required	Line Stopper Unit No. 3SW		Line Stopper Unit No. 3SW-500	
		4" H-17508	6" H-17508	4" H-17508	6" H-17508
Drilling Machine	1	C1-36	C1-36	C1-36	C1-36
Stopping Machine	2	H-17340	H-17340	-	-
Gate Valve	2	83953	83953	83721	83721
Valve Adapter	2	83775	501225	501982	63244
Drilling Machine Adapter	1	36545	36545	89341	89341
Cutter Arbor	1	88340	-	88340	-
Cutter Hub	1	-	63978	-	63978
Shell Cutter	1	3-1/2" 33519	5-1/2" 36004	3-1/2" 33519	5-1/2" 36004
Pilot Drill	1	33976	36005	33976	36005
Expanding Rubber Stopper	1	83506 *	682337 *	-	-
Stopper Adapter		528161	-	-	-
Completion Machine	1	H-17346	H-17346	H-17347	H-17347
Plug Alignment Tool	1	83774	83250	83774	83250
Plug Inserting Tool	1	83772	83237	83772	83237
Plug Extracting Tool	1	83773	83238	83773	83238
Completion Plug Wrench	1	36404	36424	36404	36424
Inspection Flange	1	H-17619	H-17619	H-17619	H-17619

\* Stopping pressure limited to 250 psig