

MUELLER® NO-BLO® LOW PRESSURE LINE STOPPER FITTINGS 3/4" - 4"



8.1

REV. 12-06

The Mueller Low Pressure Line Stopper Fittings offer a fast and economical way to make stop offs, bypass stop offs and lateral extensions on steel pipe up to 4" nominal size.

Mueller offers four different styles of fittings: the standard fitting (H-17190) welds directly to schedule 40 steel pipe, the thin wall fitting (H-17192) welds directly to thin wall steel pipe, the mechanical joint fitting (H-17191) attaches directly to schedule 40 steel pipe, and the extension stopper fitting (H-17193) welds directly to existing steel mains to allow for lateral extensions.

These fittings have a maximum working pressure of 250 psig (125 psig for H-17191 mechanical joint style) and are available in sizes from 3/4" to 4". All 4" fittings have an equalizing valve feature in the completion plug to aid in plug insertion and removal.

All Mueller Low Pressure Line Stopper Fittings have an O-ring sealed completion plug and a threaded cast iron completion cap for two levels of sealing.

MUELLER Low Pressure Line Stopper Fitting features

- ❑ CAST IRON COMPLETION CAP – provides secondary seal and protects completion plug.



- ❑ O-RING SEALED COMPLETION PLUG – provides primary seal.



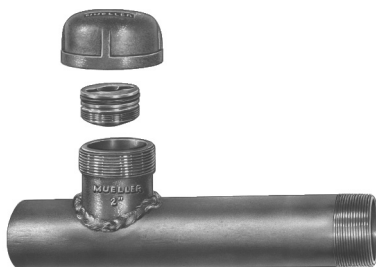
- ❑ FORGED STEEL BODY – provides strength and accurately machined threads assure proper tool alignment. Mechanical joint style has ductile iron body and straps.



- ❑ 250 PSIG – maximum working pressure (125 psig for mechanical joint style fitting).

- ❑ 4" COMPLETION PLUG – on size fitting has equalizing valve to aid in installation.

- ❑ CONTOURED – base of fitting speeds installation.



Extension Stopper Fitting



Mechanical Joint Fitting



Thin Wall Fitting

- Catalog number – **H-17190**
- Sizes – 3/4", 1" 1-1/4", 2", 3" and 4"
- Forged Steel Body ASTM A105
- Cast Iron Completion Cap ASTM A126 CL.B
- For use on schedule 40 steel pipe only
- O-ring sealed cast iron Completion Plug (4" size has equalizing valve)
- Contoured base of fitting speeds installation
- 250 psig* (1724 kPa)

**H-17190**

How to select equipment

- 1) Find chart on following pages containing desired combination of fitting and installation machine (shown in bold type at top of each page and chart). Note: for a given fitting there may be more than one machine and chart.
- 2) Under inlet size of fitting to be installed, select catalog number for type of control valve to be used. Options may include one or more of the following: H-10914 Bronze Gate Valve, H-17025 Control Chamber, H-10917 Slide Gate Valve, H-10918 Steel Ball Valve.
- 3) Under selected control valve, column lists equipment necessary for each operation on chosen size of fitting. Note: **MAOP** (Maximum Allowed Operating Pressure) provided for *each* operation must not be exceeded. MAOP may be different for each operation.

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"	13/16"	1.050"	.127"	.099"	.868"
1"	15/16"	1.315"	.150"	.116"	1.099"
1-1/4"	1-1/4"	1.660"	.157"	.122"	1.432"
2"	1-3/4"	2.375"	.173"	.135"	2.129"
3"	2-3/4"	3.500"	.243"	.189"	3.157"
4"	3-3/4"	4.500"	.267"	.207"	4.131"

Replacement Parts

Fitting Size	Completion Cap	Completion Plug Only	Completion Plug O-ring Seal	Equalizing Valve Assembly
3/4"	37483	503443	503636	N/A
1"	37483	503444	79267	N/A
1-1/4"	38138	503445	40709	N/A
2"	36310	502905	79268	N/A
3"	36312	502955	503164	N/A
4"	502944	502943	60192	580912

LOW PRESSURE LINE STOPPER FITTING

H-17190



8.3

Shaded area indicates a change REV. 3-08

E-5™/EH-5™ Machine

H-17190	3/4"	3/4"	1"	1"	1-1/4"	2"	2"
Control Valve	H-10914 1-1/4"	H-17025	H-10914 1-1/4"	H-17025	H-10914 1-1/2"	H-10914 2"	H-10917 2"
Bushing	-	78830 1-1/4"	-	78830 1-1/4"	-	-	507781
Installation							
Test Cap	79160	79160	79160	79160	79161	36811	36811
Drilling							
MAOP*	125 psig	125 psig	125 psig	125 psig	125 psig	125 psig	250 psig
Power Operator	H-604	H-604	H-604	H-604	H-604	H-604	H-604
Machine Adapter	36733	-	36733	-	503435	89348	89348
Cutter Holder	-	-	-	-	503433	502900	502900
Shell Cutter Complete	580678 13/16"	580678 13/16"	580679 15/16"	580679 15/16"	580680 1-1/4"	89350 1-3/4"	89350 1-3/4"
Chip Sweeper	89570	-	89570	-	89570	580902	580902
Chip Sweeper Bushing	508691	-	508691	-	508692	-	-
Chip Sweeper Magnet	682080	-	682080	-	682080	682081	682081
Cutting Grease	88366	88366	88366	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560	682560	682560	682560
Components of Shell Cutter							
Arbor	503637	503637	503637	503637	503643	526454	526454
Shell Cutter	503475	503475	503476	503476	503477	504222	504222
Pilot Drill	537192	537192	502906	502906	502906	502906	502906
Set Screw	92890	92890	92890	92890	92980	-	-
Stopping							
MAOP*	100 psig	100 psig	100 psig	100 psig	100 psig	100 psig	100 psig
Machine Adapter	36733	-	36733	-	503435	89348	89348
Rubber Stopper Holder	503431	503431	503431	503431	503433	502900	502900
Solid Rubber Stopper	89568	89568	89569	89569	89130	580900	580900
Replacement Rubber Only	508695	508695	508694	508694	503440	502916	502916
Bypass Machine Adapter	-	-	-	-	89870	503680	503680
Rubber Stopper Holder	-	-	-	-	503433	502900	502900
Bypass Rubber Stopper	-	-	-	-	89877	89165	89165
Replacement Rubber Only	-	-	-	-	505553	503670	503670
Rubber Stopper Lubricant	580657	580657	580657	580657	580657	580657	580657
Inserting							
MAOP*	125 psig	125 psig	125 psig	125 psig	125 psig	125 psig	250 psig
Machine Adapter	36733	-	36733	-	503435	89348	89348
Inserting Tool	83261	83261	83261	83261	83257	83258	83258
Extracting							
MAOP*	125 psig	125 psig	125 psig	125 psig	125 psig	125 psig	250 psig
Machine Adapter	36733	-	36733	-	503435	89348	89348
Extracting Tool	80088	80088	80088	80088	83212	83262	83262

*Maximum Allowable Operating Pressure

REV. 6-10 Shaded area indicates a change

D-5™/DH-5™ Machine

H-17190	3/4"	1"	1-1/4"	2"	2"
Control Valve	H-10914 1-1/4"	H-10914 1-1/4"	H-10914 1-1/2"	H-10914 2"	H-10917 2"
Bushing	-	-	-	-	507781
Installation					
Test Cap	79160	79160	79161	36811	36811
Completion Plug Wrench	96536	96536	96536	581264	581264
Drilling					
MAOP*	125 psig	125 psig	250 psig	125 psig	250 psig
Power Operator	H-604	H-604	H-604	H-604	H-604
Machine Adapter	36195	36195	36196	89349	89349
Boring Bar Adapter	40438	40438	40438	40438	40438
Cutter Holder	-	-	503433	502900	502900
Shell Cutter Complete	580678 13/16"	580679 15/16"	580680 1-1/4"	89350 1-3/4"	89350 1-3/4"
Chip Sweeper	89570	89570	89570	580902	580902
Chip Sweeper Bushing	508691	508691	508692	-	-
Chip Sweeper Magnet	682080	682080	682080	682081	682081
Cutting Grease	88366	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560	682560
Components of Shell Cutter					
Arbor	503637	503637	503643	526454	526454
Shell Cutter	503475	503476	503477	504222	504222
Pilot Drill	537192	502906	502906	502906	502906
Set Screw	92980	92980	98956	-	-
Stopping					
MAOP*	100 psig	100 psig	100 psig	100 psig	100 psig
Machine Adapter	36195	36195	36196	89349	89349
Boring Bar Adapter	40438	40438	40438	40438	40438
Rubber Stopper Holder	503431	503431	503433	502900	502900
Solid Rubber Stopper	89568	89569	89130	580900	580900
Replacement Rubber Only	508695	508694	503440	502916	502916
Bypass Machine Adapter	-	-	89876	503681	503681
Boring Bar Adapter	-	-	-	40438	40438
Bypass Rubber Stopper Holder	-	-	503433	502900	502900
Bypass Rubber Stopper	-	-	89877	89165	89165
Replacement Rubber Only	-	-	505553	503670	503670
Rubber Stopper Lubricant	580657	580657	580657	580657	580657
Inserting					
MAOP*	125 psig	125 psig	250 psig	125 psig	250 psig
Machine Adapter	36195	36195	36196	89349	89349
Boring Bar Adapter	40438	40438	40438	-	-
Inserting Tool	83261	83261	83261	83258	83258
Extracting					
MAOP*	125 psig	125 psig	250 psig	125 psig	250 psig
Machine Adapter	36195	36195	36196	89349	89349
Boring Bar Adapter	36198	36198	36198	-	-
Extracting Tool	80088	80088	80088	88384	88384

*Maximum Allowable Operating Pressure

LOW PRESSURE LINE STOPPER FITTING H-17190



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Shaded area indicates a change REV. 3-08

D-5™/DH-5™ Machine

H-17190	3"	3"	4"
Control Valve	H-10914 3"	H-10917 3"	H-10917 4"
Bushing	-	507783	507784
Installation			
Test Cap	36813	36813	502929
Completion Plug Wrench	581264	581264	36404
Drilling			
MAOP*	125 psig	250 psig	250 psig
Power Operator	H-604	H-604	H-604
Machine Adapter	580918	580918	580906
Boring Bar Adapter	-	-	502936
Cutter Holder	33316	33316	502937
Shell Cutter Complete	89351 2-3/4"	89351 2-3/4"	89352 3-3/4"
Chip Sweeper	580902	580902	580902
Chip Sweeper Bushing	51062	51062	502939
Chip Sweeper Magnet	682081	682081	682081
Cutting Grease	88366	88366	88366
Honing Stone	682560	682560	682560
Components of Shell Cutter			
Arbor	580907	580907	580907
Shell Cutter	504223	504223	504224
Pilot Drill	502932	502932	502932
Stopping			
MAOP*	100 psig	100 psig	100 psig
Machine Adapter	580918	580918	580906
Rubber Stopper Holder	502937	502937	502937
Solid Rubber Stopper	580917	580917	580905
Replacement Rubber Only	502946	502946	502919
Bypass Machine Adapter	89946	89946	89948
Rubber Stopper Holder	502937	502937	502937
Bypass Rubber Stopper	89945	89945	89947
Replacement Rubber Only	508425	508425	508324
Rubber Stopper Lubricant	580657	580657	580657
Inserting			
MAOP*	125 psig	250 psig	250 psig
Machine Adapter	580918	580918	580906
Boring Bar Adapter	40438	40438	502937
Inserting Tool	580921	580921	580908
Extracting			
MAOP*	125 psig	250 psig	250 psig
Machine Adapter	580918	580918	580906
Extracting Tool	580919	580919	580913

*Maximum Allowable Operating Pressure

REV. 6-10 Shaded area indicates a change

Unit #1 H-17135 Stopping Machine

H-17190	2"	2"	3"	3"	4"
Control Valve	H-10914 2"	H-10917 2"	H-10914 3"	H-10917 3"	H-10917 4"
Bushing	-	507781	-	507783	507784
Stopping					
MAOP*	100 psig	100 psig	100 psig	100 psig	100 psig
Stopping Machine Adapter	89158	89158	503499	503499	89156
Rubber Stopper Holder	503495	503495	503496	503496	504133
Solid Rubber Stopper	580900	580900	580917	580917	580905
Replacement Rubber Only	502916	502916	502946	502946	502919
Bypass Rubber Stopper	89165	89165	89945	89945	89947
Replacement Rubber Only	503670	503670	508425	508425	508324
Rubber Stopper Lubricant	580657	580657	580657	580657	580657
Inserting					
MAOP*	125 psig	250 psig	125 psig	250 psig	250 psig
Machine Adapter Nipple	89158	89158	503499	503499	89156
Inserting Tool	580524	580524	89151	89151	580908
Adapter	-	-	-	-	504133
Extracting					
MAOP*	125 psig	250 psig	125 psig	250 psig	250 psig
Machine Adapter Nipple	89158	89158	503499	503499	89156
Extracting Tool	88474	88474	89152	89152	89153