

Mueller Co. offers a full line of 3/4" thru 2-1/2" line- stopper fittings with pressure ratings from 125 psig to 1440 psig. The styles of fittings include standard split fittings, bottom out fittings, mechanical joint, and insulated mechanical joint fittings.

All of these fittings are designed for use with Mueller tools and machines and use the proven Mueller NO-BLO® method to make safe installations and stop offs under pressure with no blowing of gas.



Service line stopper fitting



Standard split line stopper fitting



Bottom out line stopper fitting



Mechanical joint line stopper fitting



Insulated mechanical joint line stopper fitting

Rev. 12-06 Shaded area indicates changes

- Catalog number – **H-17055**
- Sizes – 3/4", 1", 1-1/4"
- For use on steel pipe only
- Completion Plug makes primary seal
- Fitting top and bottom halves are forged steel (ASTM A105)
- Cast Iron Completion Cap makes secondary seal
- 250 psig* (1724kPa)



H-17055

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 Dimensions

Size of Line Stopper Fitting	Outside Diameter of Shell Cutter Required (Inches)	Outside Diameter of Pipe (Inches)
3/4"	.875	1.050
1"	.875	1.315
1-1/4"	1.125	1.660

Replacement Parts

Replacement Parts	Size of Fitting		
	3/4"	1"	1-1/4"
Completion Cap	37483	37483	38138
Completion Plug	34060	34060	34122

*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. Refer to charts on following pages.

E-5™/EH-5™ Machine

H-17055	3/4"	3/4"	3/4"	1"	1"	1"
Control Valve	H-10914 1-1/4"	H-17025	H-10918 1-1/4"	H-10914 1-1/4"	H-17025	H-10918 1-1/4"
Bushing	-	78830	-	-	78830	-
Installation						
Test Cap	79160	79160	79160	79160	79160	79160
Drilling						
MAOP*	125 psig	125 psig	250 psig	125 psig	125 psig	250 psig
Power Operator	H-604	H-604	H-604	H-604	H-604	H-604
Machine Adapter	36733	-	36733	36733	-	36733
Drill	61990 7/8"	61990 7/8"	61990 7/8"	61990 7/8"	61990 7/8"	61990 7/8"
Drill Holder	78899	78899	78899	78899	78899	78899
Cutting Grease	88366	88366	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560	682560	682560
Stopping						
MAOP*	125 psig	125 psig	250 psig	125 psig	125 psig	250 psig
Machine Adapter	36733	-	36733	36733	-	36733
Holder for Shut Off Tool	78899	78899	78899	78899	78899	78899
Rubber Shut Off Tool	83778	83778	83778	80082	80082	80082
Replacement Rubber	500056	500056	500056	78886	78886	78886
Rubber Stopper Lubricant	580657	580657	580657	580657	580657	580657
Inserting						
MAOP*	125 psig	125 psig	250 psig	125 psig	125 psig	250 psig
Machine Adapter	36733	-	36733	36733	-	36733
EZ Release Inserting Tool	83261	83261	83261	83261	83261	83261
Extracting						
MAOP*	125 psig	125 psig	250 psig	125 psig	125 psig	250 psig
Machine Adapter	36733	-	36733	36733	-	36733
Extracting Tool	80088	80088	80088	80088	80088	80088

*Maximum Allowable Operating Pressure

Rev. 9-17 Shaded area indicates changes

E-5™/EH-5™ Machine

H-17055	1-1/4"	1-1/4"	1-1/4"
Control Valve	H-10914 1-1/2"	H-17025	H-10918 1-1/2"
Bushing	-	78831	-
Installation			
Test Cap	79161	79161	79161
Drilling			
MAOP*	125 psig	125 psig	250 psig
Power Operator	H-604	H-604	H-604
Machine Adapter	33575	-	33575
Drill	33531 1-1/8"	33531 1-1/8"	33531 1-1/8"
Drill Holder	78900	78900	78900
Cutting Grease	88366	88366	88366
Honing Stone	682560	682560	682560
Stopping			
MAOP*	125 psig	125 psig	250 psig
Machine Adapter	33575	-	33575
Holder for Shut Off Tool	78900	78900	78900
Rubber Shut Off Tool	80083	80083	80083
Replacement Rubber	78890	78890	78890
Inserting			
MAOP*	125 psig	125 psig	250 psig
Machine Adapter	33575	-	33575
EZ Release Inserting Tool	83261	83261	83261
Extracting			
MAOP*	125 psig	125 psig	250 psig
Machine Adapter	33575	-	33575
Extracting Tool	80088	80088	80088

*Maximum Allowable Operating Pressure

D-5™/DH-5™ Machine

H-17055	3/4" + 1"	3/4" + 1"	1-1/4"	1-1/4"
Control Valve	H-10914 1-1/4"	H-10918 1-1/4"	H-10914 1-1/2"	H-10918 1-1/2"
Installation				
Test Cap	79160	79160	79161	79161
Drilling				
MAOP*	125 psig	250 psig	125 psig	250 psig
Power Operator	H-604	H-604	H-604	H-604
Machine Adapter	36195	36195	36196	36196
Drill	61990 7/8"	61990 7/8"	33531 1-1/8"	33531 1-1/8"
Drill Holder	78899	78899	78900	78900
Boring Bar Adapter	36324	36324	36324	36324
Cutting Grease	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560
Stopping				
MAOP*	125 psig	250 psig	125 psig	250 psig
Machine Adapter	36195	36195	36196	36196
Holder for Shut Off Tool	78899	78899	78900	78900
Boring Bar Adapter	36324	36324	36324	36324
Rubber Shut Off Tool	80082	80082	80083	80083
Replacement Rubber	78886	78886	78890	78890
Rubber Stopper Lubricant	580657	580657	580657	580657
Inserting				
MAOP*	125 psig	250 psig	125 psig	250 psig
Machine Adapter	36195	36195	36196	36196
Inserting Tool	83261	83261	83257	83257
Boring Bar Adapter	36324	36324	40438	40438
Extracting				
MAOP*	125 psig	250 psig	125 psig	250 psig
Machine Adapter	36195	36195	36196	36196
Extracting Tool	80088	80088	88286	88286
Boring Bar Adapter	36198	36198	36198	36198

*Maximum Allowable Operating Pressure

Rev. 12-12 Shaded area indicates changes

- Catalog number – **H-17056**
- Sizes – 3/4", 1", 1-1/4"
- For use on steel pipe only
- Fitting top and bottom halves are forged steel (ASTM A105)
- Completion Plug makes primary seal
- Steel Completion Cap makes secondary seal
- 1440 psig* (9930 kPa)



H-17056

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 Dimensions

Size of Line Stopper Fitting	Outside Diameter of Shell Cutter Required (Inches)	Outside Diameter of Pipe (Inches)
3/4"	.875	1.050
1"	.875	1.315
1-1/4"	1.125	1.660

Replacement Parts

Replacement Parts	Size of Fitting		
	3/4"	1"	1-1/4"
Completion Cap	52413	52413	52416
Completion Plug	34060	34060	34122

**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. Refer to charts on following pages.*

E-5™/EH-5™ Machine

H-17056	3/4"	3/4"	3/4"	1"	1"	1"
Control Valve	H-10914 1-1/4"	H-17025	H-10918 1-1/4"	H-10914 1-1/4"	H-17025	H-10918 1-1/4"
Bushing	-	78830	-	-	78830	-
Installation						
Test Cap	79160 CI / 537399 steel	79160 CI / 537399 steel	79160 CI / 537399 steel	79160 CI / 537399 steel	79160 CI / 537399 steel	79160 CI / 537399 steel
Drilling						
MAOP*	125 psig	125 psig	E-5 = 500 psig EH-5 = 1200 psig	125 psig	125 psig	E-5 = 500 psig EH-5 = 1200 psig
Power Operator	H-604	H-604	H-604	H-604	H-604	H-604
Machine Adapter	36733	-	36733	36733	-	36733
Drill	61990 7/8"	61990 7/8"	61990 7/8"	61990 7/8"	61990 7/8"	61990 7/8"
Drill Holder	78899	78899	78899	78899	78899	78899
Cutting Grease	88366	88366	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560	682560	682560
Stopping						
MAOP*	125 psig	125 psig	350 psig	125 psig	125 psig	350 psig
Machine Adapter	36733	-	36733	36733	-	36733
Holder for Shut Off Tool	78899	78899	78899	78899	78899	78899
Rubber Shut Off Tool	83778	83778	83778	80082	80082	80082
Replacement Rubber	500056	500056	500056	78886	78886	78886
Rubber Stopper Lubricant	580657	580657	580657	580657	580657	580657
Inserting						
MAOP*	125 psig	125 psig	E-5 = 500 psig EH-5 = 1200 psig	125 psig	125 psig	E-5 = 500 psig EH-5 = 1200 psig
Machine Adapter	36733	-	36733	36733	-	36733
EZ Release Inserting Tool	83261	83261	83261	83261	83261	83261
Extracting						
MAOP*	125 psig	125 psig	E-5 = 500 psig EH-5 = 1200 psig	125 psig	125 psig	E-5 = 500 psig EH-5 = 1200 psig
Machine Adapter	36733	-	36733	36733	-	36733
Extracting Tool	80088	80088	80088	80088	80088	80088

*Maximum Allowable Operating Pressure

Rev. 9-17 Shaded area indicates changes

E-5™/EH-5™ Machine

H-17056	1-1/4"	1-1/4"	1-1/4"
Control Valve	H-10914 1-1/2"	H-17025	H-10918 1-1/2"
Bushing	-	78831	-
Installation			
Test Cap	79161 CI / 537400 steel	79161 CI / 537400 steel	79161 CI / 537400 steel
Drilling			
MAOP*	125 psig	125 psig	E-5 = 500 psig EH-5 = 1200 psig
Power Operator	H-604	H-604	H-604
Machine Adapter	33575	-	33575
Drill	33531 1-1/8"	33531 1-1/8"	33531 1-1/8"
Drill Holder	78900	78900	78900
Cutting Grease	88366	88366	88366
Honing Stone	682560	682560	682560
Stopping			
MAOP*	125 psig	125 psig	350 psig
Machine Adapter	33575	-	33575
Holder for Shut Off Tool	78900	78900	78900
Rubber Shut Off Tool	80083	80083	80083
Replacement Rubber	78890	78890	78890
Inserting			
MAOP*	125 psig	125 psig	E-5 = 500 psig EH-5 = 1200 psig
Machine Adapter	33575	-	33575
EZ Release Inserting Tool	83261	83261	83261
Extracting			
MAOP*	125 psig	125 psig	E-5 = 500 psig EH-5 = 1200 psig
Machine Adapter	33575	-	33575
Extracting Tool	80088	80088	80088

*Maximum Allowable Operating Pressure

D-5™/DH-5™ Machine

H-17056	3/4" + 1"	3/4" + 1"	1-1/4"	1-1/4"
Control Valve	H-10914 1-1/4"	H-10918 1-1/4"	H-10914 1-1/2"	H-10918 1-1/2"
Installation				
Test Cap	79160 CI / 537399 steel	79160 CI / 537399 steel	79161 CI / 537400 steel	79161 CI / 537400 steel
Drilling				
MAOP*	125 psig	D-5 = 500 psig DH-5 = 1200 psig	125 psig	D-5 = 500 psig DH-5 = 1200 psig
Power Operator	H-604	H-604	H-604	H-604
Machine Adapter	36195	36195	36196	36196
Drill	61990 7/8"	61990 7/8"	33531 1-1/8"	33531 1-1/8"
Drill Holder	78899	78899	78900	78900
Boring Bar Adapter	36324	36324	36324	36324
Cutting Grease	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560
Stopping				
MAOP*	125 psig	350 psig	125 psig	350 psig
Machine Adapter	36195	36195	36196	36196
Holder for Shut Off Tool	78899	78899	78900	78900
Boring Bar Adapter	36324	36324	36324	36324
Rubber Shut Off Tool	80082	80082	80083	80083
Replacement Rubber	78886	78886	78890	78890
Rubber Stopper Lubricant	580657	580657	580657	580657
Inserting				
MAOP*	125 psig	D-5 = 500 psig DH-5 = 1200 psig	125 psig	D-5 = 500 psig DH-5 = 1200 psig
Machine Adapter	36195	36195	36196	36196
Inserting Tool	83261	83261	83257	83257
Boring Bar Adapter	36324	36324	40438	40438
Extracting				
MAOP*	125 psig	D-5 = 500 psig DH-5 = 1200 psig	125 psig	D-5 = 500 psig DH-5 = 1200 psig
Machine Adapter	36195	36195	36196	36196
Extracting Tool	80088	80088	88286	88286
Boring Bar Adapter	36198	36198	36198	36198

*Maximum Allowable Operating Pressure

Rev. 12-06 Shaded area indicates changes

- Catalog number – **H-17125**
- Size – 2"
- For use on steel pipe only
- Fitting top and bottom halves are forged steel (ASTM A105)
- O-ring sealed Completion Plug makes primary seal
- Cast Iron Completion Cap makes secondary seal
- 250 psig* (1724kPa)



H-17125

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 Dimensions

Size of Line Stopper Fitting	Outside Diameter of Shell Cutter Required (Inches)	Outside Diameter of Pipe (Inches)
2"	2.250	2.375

Replacement Parts

Replacement Parts	Size of Fitting
	2"
Completion Cap	36312
Completion Plug	501707
Completion Plug O-ring	79506

**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. Refer to charts on following pages.*

D-5™/DH-5™ and Unit #1 Machine

H-17125	2"	2"
Control Valve	H-10914 3"	H-10917 3"
Bushing	-	507783
Installation		
Test Cap	36813	36813
Completion Plug Wrench	581264	581264
Drilling		
MAOP*	125 psig	250 psig
Power Operator	H-604	H-604
Machine Adapter	36376	36376
Cutter Arbor	88470	88470
Shell Cutter	36337 2-1/4"	36337 2-1/4"
Pilot Drill	36336	36336
Cutting Grease	88366	88366
Honing Stone	682560	682560
Stopping		
MAOP*	125 psig	125 psig
Stopping Machine	H-17135	H-17135
Machine Adapter	501717	501717
Solid Rubber Stopper	88478	88478
Replacement Rubber	36290	36290
Top Bypass Rubber Stopper	88471	88471
Replacement Rubber	36298	36298
Rubber Stopper Lubricant	580657	580657
Inserting		
MAOP*	125 psig	125 psig
Inserting Machine	H-17135	H-17135
Inserting Machine Adapter	501717	501717
Inserting Tool	580940	580940
Extracting		
MAOP*	125 psig	125 psig
Extracting Machine	H-17135	H-17135
Extracting Machine Adapter	501717	501717
Extracting Tool	580941	580941

*Maximum Allowable Operating Pressure

Rev. 9-17 Shaded area indicates changes

D-5™/DH-5™ Machine

H-17125	2"
Control Valve	H-10918 3"
Bushing	-
Installation	
Test Cap	036813
Completion Plug Wrench	581264
Drilling	
MAOP*	250 psig
Power Operator	H-604
Machine Adapter	47394
Machine Adapter Bushing	507783
Boring Bar Extension	64297
Cutter Arbor	88470
Shell Cutter	36337
Pilot Drill	36336
Cutting Grease	88366
Honing Stone	682560
Stopping	
MAOP*	250 psig
Stopping Machine	D-5/DH-5
Machine Adapter	89946
Stopper Holder	580932†
Solid Rubber Stopper	88478
Replacement Rubber	36290
Top Bypass Rubber Stopper	88471
Replacement Rubber	36298
Rubber Stopper Lubricant	580657
Inserting	
MAOP*	250 psig
Inserting Machine	D-5/DH-5
Machine Adapter	47394
Boring Bar Adapter Extension	64297
Inserting Tool	36190
Extracting	
MAOP*	250 psig
Extracting Machine	D-5/DH-5
Machine Adapter	47394
Extracting Tool Adapter	36198
Extracting Tool	83213

*Maximum Allowable Operating Pressure

MUELLER® NO-BLO® BOTTOM OUT LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE



9.13

Shaded area indicates change Rev. 9-17

- Catalog number – H-17125 -99004
- Size – 2"
- For use on steel pipe only
- Meets all applicable parts of D.O.T/CFR TITLE 49 PART 192
- O-ring sealed completion plug makes primary seal
- Fitting top and bottom halves are forged steel (ASTM A105)
- Cast iron completion cap makes secondary seal
- 250 psig* (1724kPa) maximum working pressure



H-17125-99004

Quantity per carton
2"
3

Pipe Dimensions

Size of Line Stopper Fitting	Outside Diameter of Shell Cutter Required (Inches)	Outside Diameter of Pipe (Inches)	Inside Diameter of Bottom Opening
2"	2.250	2.375	1.75"

Drilling/Line Stopping Machine combinations that can be used to install & stop-off H-17125-99004 fittings

Drilling machine	Line stopping machine or unit	
	D-5/DH-5	Unit No.1
	H-17125-99004 fitting size	
D-5 or DH-5	2"	2"

Replacement Parts

Fitting size	Completion cap	Completion plug	Completion plug o-ring
2"	36312	501707	79506

*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. Refer to charts on following pages.

Rev. 9-17 Shaded area indicates changes

D-5™/DH-5™ and Unit #1 Machine

H-17125-99004	2"	2"
Control Valve	H-10914 3"	H-10917 3"
Bushing	-	507783
Installation		
Test Cap	36813 CI / 537478 steel	36813 CI / 537478 steel
Completion Plug Wrench	581264	581264
Drilling		
MAOP*	125 psig	250 psig
Power Operator	H-604	H-604
Machine Adapter	36376	36376
Cutter Arbor	88470	88470
Shell Cutter	36337 2-1/4"	36337 2-1/4"
Pilot Drill	36336	36336
Cutting Grease	88366	88366
Honing Stone	682560	682560
Stopping		
MAOP*	125 psig	125 psig
Stopping Machine	H-17135	H-17135
Machine Adapter	501717	501717
Solid Rubber Stopper	88478	88478
Replacement Rubber	36290	36290
Top Bypass Rubber Stopper	88471	88471
Replacement Rubber	36298	36298
Bottom Bypass Rubber Stopper	81495	81495
Replacement Rubber	36298	36298
Full Bypass Rubber Stopper	680513	680513
Replacement Rubber	509446	509446
Bottom-Out Stopper	681989	681989
Replacement Seal	529002	529002
Rubber Stopper Lubricant	580657	580657
Inserting		
MAOP*	125 psig	125 psig
Inserting Machine	H-17135	H-17135
Inserting Machine Adapter	501717	501717
Inserting Tool	580940	580940
Extracting		
MAOP*	125 psig	125 psig
Extracting Machine	H-17135	H-17135
Extracting Machine Adapter	501717	501717
Extracting Tool	580941	580941

*Maximum Allowable Operating Pressure

D-5™/DH-5™ Machine

H-17125-99004	2"
Control Valve	H-10918 3"
Bushing	-
Installation	
Test Cap	36813 CI / 537478 steel
Completion Plug Wrench	581264
Drilling	
MAOP*	250 psig
Power Operator	H-604
Machine Adapter	47394
Machine Adapter Bushing	507783
Boring Bar Extension	64297
Cutter Arbor	88470
Shell Cutter	36337
Pilot Drill	36336
Cutting Grease	88366
Honing Stone	682560
Stopping	
MAOP*	250 psig
Stopping Machine	D-5/DH-5
Machine Adapter	89946
Stopper Holder	580932†
Solid Rubber Stopper	88478
Replacement Rubber	36290
Top Bypass Rubber Stopper	88471
Replacement Rubber	36298
Bottom Bypass Rubber Stopper	81495
Replacement Rubber	36298
Full Bypass Rubber Stopper	680513
Replacement Rubber	509446
Bottom-Out Stopper	681989
Replacement Seal	529002
Rubber Stopper Lubricant	580657
Inserting	
MAOP*	250 psig
Inserting Machine	D-5/DH-5
Machine Adapter	47394
Boring Bar Adapter Extension	64297
Inserting Tool	36190
Extracting	
MAOP*	250 psig
Extracting Machine	D-5/DH-5
Machine Adapter	47394
Extracting Tool Adapter	36198
Extracting Tool	83213

*Maximum Allowable Operating Pressure

Rev. 12-06 Shaded area indicates changes

- Catalog number – **H-17126**
- Sizes – 2"
- For use on steel pipe only
- Fitting top and bottom halves are forged steel (ASTM A105)
- O-ring sealed Completion Plug makes primary seal
- Steel Completion Cap makes secondary seal
- 1440 psig* (9930 kPa)



H-17126

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 Dimensions

Size of Line Stopper Fitting	Outside Diameter of Shell Cutter Required (Inches)	Outside Diameter of Pipe (Inches)
2"	2.250	2.375

Replacement Parts

Replacement Parts	Size of Fitting
	2"
Completion Cap	52374
Completion Plug	502552
Completion Plug O-ring	79506

*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. Refer to charts on following pages.

D-5™/DH-5™ and Unit #1 Machine

H-17126	2"	2"
Control Valve	H-10914 3"	H-10917 3"
Bushing	-	507783
Installation		
Test Cap	36813 CI / 537478 steel	36813 CI / 537478 steel
Completion Plug Wrench	581264	581264
Drilling		
MAOP*	125 psig	275 psig
Power Operator	H-604	H-604
Machine Adapter	36376	36376
Cutter Arbor	88470	88470
Shell Cutter	36337 2-1/4"	36337 2-1/4"
Pilot Drill	36336	36336
Cutting Grease	88366	88366
Honing Stone	682560	682560
Stopping		
MAOP*	125 psig	125 psig
Stopping Machine	H-17135	H-17135
Machine Adapter	501717	501717
Solid Rubber Stopper	88478	88478
Replacement Rubber	36290	36290
Top Bypass Rubber Stopper	88471	88471
Replacement Rubber	36298	36298
Rubber Stopper Lubricant	580657	580657
Inserting		
MAOP*	125 psig	125 psig
Inserting Machine	H-17135	H-17135
Inserting Machine Adapter	501717	501717
Inserting Tool	580940	580940
Extracting		
MAOP*	125 psig	125 psig
Extracting Machine	H-17135	H-17135
Extracting Machine Adapter	501717	501717
Extracting Tool	580941	580941

*Maximum Allowable Operating Pressure

Rev. 9-17 Shaded area indicates changes

D-5™/DH-5™ Machine

H-17126	2"
Control Valve	H-10918 3"
Bushing	-
Installation	
Test Cap	36813 CI / 537478 Steel
Completion Plug Wrench	581264
Drilling	
MAOP*	D-5 = 500 psig DH-5 = 1200 psig
Power Operator	H-604
Machine Adapter	47394
Machine Adapter Bushing	507783
Boring Bar Extension	64297
Cutter Arbor	88470
Shell Cutter	36337
Pilot Drill	36336
Cutting Grease	88366
Honing Stone	682560
Stopping	
MAOP*	350 psig
Stopping Machine	D-5/DH-5
Machine Adapter	89946
Stopper Holder	580932†
Solid Rubber Stopper	88478
Replacement Rubber	36290
Top Bypass Rubber Stopper	88471
Replacement Rubber	36298
Rubber Stopper Lubricant	580657
Inserting	
MAOP*	D-5 = 500 psig DH-5 = 1200 psig
Inserting Machine	D-5/DH-5
Machine Adapter	47394
Boring Bar Adapter Extension	64297
Inserting Tool	36190
Extracting	
MAOP*	D-5 = 500 psig DH-5 = 1200 psig
Extracting Machine	D-5/DH-5
Machine Adapter	47394
Extracting Tool Adapter	36198
Extracting Tool	83213

*Maximum Allowable Operating Pressure
†Modified Tool Holder

MUELLER® LINE STOPPER FITTING WELDING TYPE FOR STEEL PIPE



9.19

Shaded area indicates change Rev. 9-17

- o Catalog number – **H-17126 -99004**
- o Size – 2"
- o For use on steel pipe only
- o Meets all applicable parts of D.O.T/CFR TITLE 49 PART 192
- o Completion plug makes primary seal
- o Fitting top and bottom halves are forged steel (ASTM A105)
- o Steel completion cap makes secondary seal
- o 1440 psig* (9930 kPa) maximum working pressure



H-17126-99004

Quantity per carton
2"
3

Pipe Dimensions

Size of Line Stopper Fitting	Outside Diameter of Shell Cutter Required (Inches)	Outside Diameter of Pipe (Inches)	Inside Diameter of Bottom Opening
2"	2.250	2.375	1.75"

Drilling/Line Stopping Machine combinations that can be used to install & stop-off H-17125-99004 fittings

Drilling machine	Line stopping machine or unit	
	D-5/DH-5	Unit No.1
	H-17126-99004 fitting size	
D-5 or DH-5	2"	2"

Replacement Parts

Fitting size	Completion cap	Completion plug	Completion plug o-ring
2"	52374	502552	79506

*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. Refer to charts on following pages.

Rev. 9-17 Shaded area indicates changes

D-5™/DH-5™ and Unit #1 Machine

H-17126-99004	2"	2"
Control Valve	H-10914 3"	H-10917 3"
Bushing	-	507783
Installation		
Test Cap	36813 CI / 537478 steel	36813 CI / 537478 steel
Completion Plug Wrench	581264	581264
Drilling		
MAOP*	125 psig	275 psig
Power Operator	H-604	H-604
Machine Adapter	36376	36376
Cutter Arbor	88470	88470
Shell Cutter	36337 2-1/4"	36337 2-1/4"
Pilot Drill	36336	36336
Cutting Grease	88366	88366
Honing Stone	682560	682560
Stopping		
MAOP*	125 psig	125 psig
Stopping Machine	H-17135	H-17135
Machine Adapter	501717	501717
Solid Rubber Stopper	88478	88478
Replacement Rubber	36290	36290
Top Bypass Rubber Stopper	88471	88471
Replacement Rubber	36298	36298
Bottom Bypass Rubber Stopper	81495	81495
Replacement Rubber	36298	36298
Full Bypass Rubber Stopper	680513	680513
Replacement Rubber	509446	509446
Bottom-Out Stopper	681989	681989
Replacement Seal	529002	529002
Rubber Stopper Lubricant	580657	580657
Inserting		
MAOP*	125 psig	125 psig
Inserting Machine	H-17135	H-17135
Inserting Machine Adapter	501717	501717
Inserting Tool	580940	580940
Extracting		
MAOP*	125 psig	125 psig
Extracting Machine	H-17135	H-17135
Extracting Machine Adapter	501717	501717
Extracting Tool	580941	580941

*Maximum Allowable Operating Pressure

D-5™/DH-5™ Machine

H-17126-99004	2"
Control Valve	H-10918 3"
Bushing	-
Installation	
Test Cap	36813 CI / 537478 Steel
Completion Plug Wrench	581264
Drilling	
MAOP*	D-5 = 500 psig / DH-5 = 1200 psig
Power Operator	H-604
Machine Adapter	47394
Machine Adapter Bushing	507783
Boring Bar Extension	64297
Cutter Arbor	88470
Shell Cutter	36337
Pilot Drill	36336
Cutting Grease	88366
Honing Stone	682560
Stopping	
MAOP*	350 psig
Stopping Machine	D-5/DH-5
Machine Adapter	89946
Stopper Holder	580932†
Solid Rubber Stopper	88478
Replacement Rubber	36290
Top Bypass Rubber Stopper	88471
Replacement Rubber	36298
Bottom Bypass Rubber Stopper	81495
Replacement Rubber	36298
Full Bypass Rubber Stopper	680513
Replacement Rubber	509446
Bottom-Out Stopper	681989 (500 psig)
Replacement Seal	529002
Rubber Stopper Lubricant	580657
Inserting	
MAOP*	D-5 = 500 psig / DH-5 = 1200 psig
Inserting Machine	D-5/DH-5
Machine Adapter	47394
Boring Bar Adapter Extension	64297
Inserting Tool	36190
Extracting	
MAOP*	D-5 = 500 psig / DH-5 = 1200 psig
Extracting Machine	D-5/DH-5
Machine Adapter	47394
Extracting Tool Adapter	36198
Extracting Tool	83213

*Maximum Allowable Operating Pressure

† Modified Tool Holder

Rev. 12-06 Shaded area indicates changes

- Catalog number – **H-17155**
- Sizes – 1-1/2" , 2" , 2-1/2"
- For use on steel pipe only
- Fitting top and bottom halves are forged steel (ASTM A105)
- Completion Plug makes primary seal
- Cast Iron Completion Cap makes secondary seal
- 250 psig* (1724kPa)



H-17155

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 Dimensions

Size of Line Stopper Fitting	Outside Diameter of Shell Cutter Required (Inches)	Outside Diameter of Pipe (Inches)
1-1/2"	2.250	1.900
2"	2.250	2.375
2-1/2"	2.625	2.875

Replacement Parts

Replacement Parts	Size of Line Stopper Fitting		
	1-1/2"	2"	2-1/2"
Completion Cap	36311	36311	36312
Completion Plug	36303	36303	36402

*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. Refer to charts on following pages.

D-5™/DH-5™ and Unit #1 Machine

H-17155	1-1/2"	1-1/2"	2"	2"	2-1/2"	2-1/2"
Control Valve	H-10914 2-1/2"	H-10917 2-1/2"	H-10914 2-1/2"	H-10917 2-1/2"	H-10914 3"	H-10917 3"
Bushing	-	507782	-	507782	-	507783
Installation						
Test Cap	36812	36812	36812	36812	36813	36813
Completion Plug Wrench	581264	581264	581264	581264	581264	581264
Drilling						
MAOP*	125 psig	250 psig	125 psig	250 psig	125 psig	250 psig
Power Operator	H-604	H-604	H-604	H-604	H-604	H-604
Machine Adapter	36289	36289	36289	36289	36376	36376
Cutter Arbor	88470	88470	88470	88470	88601	88601
Shell Cutter	36337 2-1/4"	36337 2-1/4"	36337 2-1/4"	36337 2-1/4"	36374 2-5/8"	36374 2-5/8"
Pilot Drill	36336	36336	36336	36336	36336	36336
Cutting Grease	88366	88366	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560	682560	682560
Stopping						
MAOP*	125 psig	125 psig	125 psig	125 psig	125 psig	125 psig
Stopping Machine	H-17135	H-17135	H-17135	H-17135	H-17135	H-17135
Stopping Machine Adapter	36281	36281	36281	36281	36370	36370
Solid Rubber Stopper	88478	88478	88478	88478	88482	88482
Replacement Rubber	36290	36290	36290	36290	36283	36283
Top Bypass Rubber Stopper	88471	88471	88471	88471	88485	88485
Replacement Rubber	36298	36298	36298	36298	36372	36372
Rubber Stopper Lubricant	580657	580657	580657	580657	580657	580657
Inserting						
MAOP*	125 psig	125 psig	125 psig	125 psig	125 psig	125 psig
Inserting Machine	H-17135	H-17135	H-17135	H-17135	H-17135	H-17135
Inserting Machine Adapter	36281	36281	36281	36281	36370	36370
Inserting Tool	580940	580940	580940	580940	580940	580940
Extracting						
MAOP*	125 psig	125 psig	125 psig	125 psig	125 psig	125 psig
Extracting Machine	H-17135	H-17135	H-17135	H-17135	H-17135	H-17135
Extracting Machine Adapter	36281	36281	36281	36281	36370	36370
Extracting Tool	580941	580941	580941	580941	580941	580941

*Maximum Allowable Operating Pressure

Rev. 9-17 Shaded area indicates changes

D-5™/DH-5™ Machine

H-17155	1-1/2" + 2"
Control Valve	H-10918 2-1/2"
Bushing	-
Installation	
Test Cap	036812
Completion Plug Wrench	581264
Drilling	
MAOP*	250 psig
Power Operator	H-604
Machine Adapter	682503
Boring Bar Extension	64297
Cutter Arbor	88470
Shell Cutter	36337
Pilot Drill	36336
Cutting Grease	88366
Honing Stone	682560
Stopping	
MAOP*	250 psig
Stopping Machine	D-5/DH-5
Machine Adapter	682503
Machine Adapter Bushing	507782
Stopper Holder	580932†
Solid Rubber Stopper	88478
Replacement Rubber	36290
Top Bypass Rubber Stopper	88471
Replacement Rubber	36298
Rubber Stopper Lubricant	580657
Inserting	
MAOP*	250 psig
Inserting Machine	D-5/DH-5
Machine Adapter	682503
Boring Bar Adapter Extension	64297
Inserting Tool	36190
Extracting	
MAOP*	250 psig
Extracting Machine	D-5/DH-5
Machine Adapter	682503
Extracting Tool Adapter	36198
Extracting Tool	83213

*Maximum Allowable Operating Pressure
 †Modified Tool Holder

- Catalog number – **H-17156**
- Sizes – 1-1/2" , 2" , 2-1/2"
- For use on steel pipe only
- Fitting top and bottom halves are forged steel (ASTM A105)
- Completion Plug makes primary seal
- Steel Completion Cap makes secondary seal
- 1440 psig* (9930kPa)



H-17156

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 Dimensions

Size of Line Stopper Fitting	Outside Diameter of Shell Cutter Required (Inches)	Outside Diameter of Pipe (Inches)
1-1/2"	2.250	1.900
2"	2.250	2.375
2-1/2"	2.625	2.875

Replacement Parts

Replacement Parts	Size of Fitting		
	1-1/2"	2"	2-1/2"
Completion Cap	52365	52365	52374
Completion Plug	36303	36303	36402

**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. Refer to charts on following pages.*

Rev. 9-17 Shaded area indicates changes

D-5™/DH-5™ and Unit #1 Machine

H-17156	1-1/2"	1-1/2"	2"	2"	2-1/2"	2-1/2"
Control Valve	H-10914 2-1/2"	H-10917 2-1/2"	H-10914 2-1/2"	H-10917 2-1/2"	H-10914 3"	H-10917 3"
Bushing	-	507782	-	507782	-	507783
Installation						
Test Cap	36812 CI / 537477 steel	36812 CI / 537477 steel	36812 CI / 537477 steel	36812 CI / 537477 steel	36813 CI / 537478 steel	36813 CI / 537478 steel
Completion Plug Wrench	581264	581264	581264	581264	581264	581264
Drilling						
MAOP*	125 psig	275 psig	125 psig	275 psig	125 psig	275 psig
Power Operator	H-604	H-604	H-604	H-604	H-604	H-604
Machine Adapter	36289	36289	36289	36289	36376	36376
Cutter Arbor	88470	88470	88470	88470	88601	88601
Shell Cutter	36337 2-1/4"	36337 2-1/4"	36337 2-1/4"	36337 2-1/4"	36374 2-5/8"	36374 2-5/8"
Pilot Drill	36336	36336	36336	36336	36336	36336
Cutting Grease	88366	88366	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560	682560	682560
Stopping						
MAOP*	125 psig	125 psig	125 psig	125 psig	125 psig	125 psig
Stopping Machine	H-17135	H-17135	H-17135	H-17135	H-17135	H-17135
Stopping Machine Adapter	36281	36281	36281	36281	36370	36370
Solid Rubber Stopper	88478	88478	88478	88478	88482	88482
Replacement Rubber	36290	36290	36290	36290	36283	36283
Top Bypass Rubber Stopper	88471	88471	88471	88471	88485	88485
Replacement Rubber	36298	36298	36298	36298	36372	36372
Rubber Stopper Lubricant	580657	580657	580657	580657	580657	580657
Inserting						
MAOP*	125 psig	125 psig	125 psig	125 psig	125 psig	125 psig
Inserting Machine	H-17135	H-17135	H-17135	H-17135	H-17135	H-17135
Inserting Machine Adapter	36281	36281	36281	36281	36370	36370
Inserting Tool	580940	580940	580940	580940	580940	580940
Extracting						
MAOP*	125 psig	125 psig	125 psig	125 psig	125 psig	125 psig
Extracting Machine	H-17135	H-17135	H-17135	H-17135	H-17135	H-17135
Extracting Machine Adapter	36281	36281	36281	36281	36370	36370
Extracting Tool	580941	580941	580941	580941	580941	580941

*Maximum Allowable Operating Pressure

D-5™/DH-5™ Machine

H-17156	1-1/2" + 2"
Control Valve	H-10918 2-1/2"
Bushing	-
Installation	
Test Cap	036812 CI / 537477 Steel
Completion Plug Wrench	581264
Drilling	
MAOP*	D-5 = 500 DH-5 = 1200
Power Operator	H-604
Machine Adapter	682503
Boring Bar Extension	64297
Cutter Arbor	88470
Shell Cutter	36337
Pilot Drill	36336
Cutting Grease	88366
Honing Stone	682560
Stopping	
MAOP*	350 psig
Stopping Machine	D-5/DH-5
Machine Adapter	682503
Machine Adapter Bushing	507782
Stopper Holder	580932†
Solid Rubber Stopper	88478
Replacement Rubber	36290
Top Bypass Rubber Stopper	88471
Replacement Rubber	36298
Rubber Stopper Lubricant	580657
Inserting	
MAOP*	D-5 = 500 DH-5 = 1200
Inserting Machine	D-5/DH-5
Machine Adapter	682503
Boring Bar Adapter Extension	64297
Inserting Tool	36190
Extracting	
MAOP*	D-5 = 500 DH-5 = 1200
Extracting Machine	D-5/DH-5
Machine Adapter	682503
Extracting Tool Adapter	36198
Extracting Tool	83213

*Maximum Allowable Operating Pressure

†Modified Tool Holder

Rev. 12-06 Shaded area indicates changes

- Catalog number – **H-17160**
- Sizes – 1-1/2", 2", 2-1/2"
- For use on steel pipe only
- Bottom out feature
- Fitting top and bottom halves are forged steel (ASTM A105)
- Completion Plug makes primary seal
- Cast Iron Completion Cap makes secondary seal
- 250 psig* (1724kPa)



H-17160

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 Dimensions

Size of Line Stopper Fitting	Outside Diameter of Shell Cutter Required (Inches)	Outside Diameter of Pipe (Inches)
1-1/2"	2.250	1.900
2"	2.250	2.375
2-1/2"	2.625	2.875

Replacement Parts

Replacement Parts	Size of Fitting		
	1-1/2"	2"	2-1/2"
Completion Cap	36311	36311	36312
Completion Plug	36303	36303	36402

**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. Refer to charts on following pages.*

D-5™/DH-5™ and Unit #1 Machine

H-17160	1-1/2"	1-1/2"	2"	2"	2-1/2"	2-1/2"
Control Valve	H-10914 2-1/2"	H-10917 2-1/2"	H-10914 2-1/2"	H-10917 2-1/2"	H-10914 3"	H-10917 3"
Bushing	-	507782	-	507782	-	507783
Installation						
Test Cap	36812	36812	36812	36812	36813	36813
Completion Plug Wrench	581264	581264	581264	581264	581264	581264
Drilling						
MAOP*	125 psig	250 psig	125 psig	250 psig	125 psig	250 psig
Power Operator	H-604	H-604	H-604	H-604	H-604	H-604
Machine Adapter	36289	36289	36289	36289	36376	36376
Cutter Arbor	88470	88470	88470	88470	88601	88601
Shell Cutter	36337 2-1/4"	36337 2-1/4"	36337 2-1/4"	36337 2-1/4"	36374 2-5/8"	36374 2-5/8"
Pilot Drill	36336	36336	36336	36336	36336	36336
Cutting Grease	88366	88366	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560	682560	682560
Stopping						
MAOP*	125 psig	125 psig	125 psig	125 psig	125 psig	125 psig
Stopping Machine	H-17135	H-17135	H-17135	H-17135	H-17135	H-17135
Stopping Machine Adapter	36281	36281	36281	36281	36370	36370
Solid Rubber Stopper	88478	88478	88478	88478	88482	88482
Replacement Rubber	36290	36290	36290	36290	36283	36283
Top Bypass Rubber Stopper	88471	88471	88471	88471	88485	88485
Replacement Rubber	36298	36298	36298	36298	36372	36372
Bottom Bypass Rubber Stopper	81495	81495	81495	81495	-	-
Replacement Rubber	36298	36298	36298	36298	-	-
Full Bypass Rubber Stopper	680513	680513	680513	680513	-	-
Replacement Rubber	509446	509446	509446	509446	-	-
Bottom-Out Stopper	681989	681989	681989	681989	-	-
Replacement Seal	529002	529002	529002	529002	-	-
Rubber Stopper Lubricant	580657	580657	580657	580657	580657	580657
Inserting						
MAOP*	125 psig	125 psig	125 psig	125 psig	125 psig	125 psig
Inserting Machine	H-17135	H-17135	H-17135	H-17135	H-17135	H-17135
Inserting Machine Adapter	36281	36281	36281	36281	36370	36370
Inserting Tool	580940	580940	580940	580940	580940	580940
Extracting						
MAOP*	125 psig	125 psig	125 psig	125 psig	125 psig	125 psig
Extracting Machine	H-17135	H-17135	H-17135	H-17135	H-17135	H-17135
Extracting Machine Adapter	36281	36281	36281	36281	36370	36370
Extracting Tool	580941	580941	580941	580941	580941	580941

*Maximum Allowable Operating Pressure

Rev. 9-17 Shaded area indicates changes

D-5™/DH-5™ Machine

H-17160	1-1/2" + 2"
Control Valve	H-10918 2-1/2"
Bushing	-
Installation	
Test Cap	036812
Completion Plug Wrench	581264
Drilling	
MAOP*	250 psig
Power Operator	H-604
Machine Adapter	682503
Boring Bar Extension	64297
Cutter Arbor	88470
Shell Cutter	36337
Pilot Drill	36336
Cutting Grease	88366
Honing Stone	682560
Stopping	
MAOP*	250 psig
Stopping Machine	D-5/DH-5
Machine Adapter	682503
Machine Adapter Bushing	507782
Stopper Holder	580932†
Solid Rubber Stopper	88478
Replacement Rubber	36290
Top Bypass Rubber Stopper	88471
Replacement Rubber	36298
Bottom Bypass Stopper	81495
Replacement Rubber	36298
Full Bypass Rubber Stopper	680513
Replacement Rubber	509446
Bottom Out Stopper	681989
Replacement Seal	529002
Rubber Stopper Lubricant	580657
Inserting	
MAOP*	250 psig
Inserting Machine	D-5/DH-5
Machine Adapter	682503
Boring Bar Adapter Extension	64297
Inserting Tool	36190
Extracting	
MAOP*	250 psig
Extracting Machine	D-5/DH-5
Machine Adapter	682503
Extracting Tool Adapter	36198
Extracting Tool	83213

*Maximum Allowable Operating Pressure

†Modified Tool Holder

- Catalog number – **H-17161**
- Sizes – 1-1/2", 2", 2-1/2"
- For use on steel pipe only
- Bottom out feature
- Fitting top and bottom halves are forged steel (ASTM A105)
- Completion Plug makes primary seal
- Steel Completion Cap makes secondary seal
- 1440 psig* (9930kPa)



H-17161

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 Dimensions

Size of Line Stopper Fitting	Outside Diameter of Shell Cutter Required (Inches)	Outside Diameter of Pipe (Inches)
1-1/2"	2.250	1.900
2"	2.250	2.375
2-1/2"	2.625	2.875

Replacement Parts

Replacement Parts	Size of Fitting		
	1-1/2"	2"	2-1/2"
Completion Cap	52365	52365	52375
Completion Plug	36303	36303	36402

**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. Refer to charts on following pages.*

Rev. 9-17 Shaded area indicates changes

D-5™/DH-5™ and Unit #1 Machine

H-17161	1-1/2"	1-1/2"	2"	2"	2-1/2"	2-1/2"
Control Valve	H-10914 2-1/2"	H-10917 2-1/2"	H-10914 2-1/2"	H-10917 2-1/2"	H-10914 3"	H-10917 3"
Bushing	-	507782	-	507782	-	507783
Installation						
Test Cap	36812 CI / 537477 steel	36812 CI / 537477 steel	36812 CI / 537477 steel	36812 CI / 537477 steel	36813 CI / 537478 steel	36813 CI / 537478 steel
Completion Plug Wrench	581264	581264	581264	581264	581264	581264
Drilling						
MAOP*	125 psig	275 psig	125 psig	275 psig	125 psig	275 psig
Power Operator	H-604	H-604	H-604	H-604	H-604	H-604
Machine Adapter	36289	36289	36289	36289	36376	36376
Cutter Arbor	88470	88470	88470	88470	88601	88601
Shell Cutter	36337 2-1/4"	36337 2-1/4"	36337 2-1/4"	36337 2-1/4"	36374 2-5/8"	36374 2-5/8"
Pilot Drill	36336	36336	36336	36336	36336	36336
Cutting Grease	88366	88366	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560	682560	682560
Stopping						
MAOP*	125 psig	125 psig	125 psig	125 psig	125 psig	125 psig
Stopping Machine	H-17135	H-17135	H-17135	H-17135	H-17135	H-17135
Stopping Machine Adapter	36281	36281	36281	36281	36370	36370
Solid Rubber Stopper	88478	88478	88478	88478	88482	88482
Replacement Rubber	36290	36290	36290	36290	36283	36283
Top Bypass Rubber Stopper	88471	88471	88471	88471	88485	88485
Replacement Rubber	36298	36298	36298	36298	36372	36372
Bottom Bypass Stopper	81495	81495	81495	81495	-	-
Replacement Rubber	36298	36298	36298	36298	-	-
Full Bypass Rubber Stopper	680513	680513	680513	680513	-	-
Replacement Rubber	509446	509446	509446	509446	-	-
Bottom Out Stopper	681989	681989	681989	681989	-	-
Replacement Seal	529002	529002	529002	529002	-	-
Rubber Stopper Lubricant	580657	580657	580657	580657	580657	580657
Inserting						
MAOP*	125 psig	125 psig	125 psig	125 psig	125 psig	125 psig
Inserting Machine	H-17135	H-17135	H-17135	H-17135	H-17135	H-17135
Inserting Machine Adapter	36281	36281	36281	36281	36370	36370
Inserting Tool	580940	580940	580940	580940	580940	580940
Extracting						
MAOP*	125 psig	125 psig	125 psig	125 psig	125 psig	125 psig
Extracting Machine	H-17135	H-17135	H-17135	H-17135	H-17135	H-17135
Extracting Machine Adapter	36281	36281	36281	36281	36370	36370
Extracting Tool	580941	580941	580941	580941	580941	580941

*Maximum Allowable Operating Pressure

D-5™/DH-5™ Machine

H-17161	1-1/2" + 2"
Control Valve	H-10918 2-1/2"
Bushing	-
Installation	
Test Cap	036812 CI / 537477 Steel
Completion Plug Wrench	581264
Drilling	
MAOP*	D-5 = 500 psig / DH-5 = 1200 psig
Power Operator	H-604
Machine Adapter	682503
Boring Bar Extension	64297
Cutter Arbor	88470
Shell Cutter	36337
Pilot Drill	36336
Cutting Grease	88366
Honing Stone	682560
Stopping	
MAOP*	350 psig
Stopping Machine	D-5/DH-5
Machine Adapter	682503
Machine Adapter Bushing	507782
Stopper Holder	580932†
Solid Rubber Stopper	88478
Replacement Rubber	36290
Top Bypass Rubber Stopper	88471
Replacement Rubber	36298
Bottom Bypass Stopper	81495
Replacement Rubber	36298
Full Bypass Rubber Stopper	680513
Replacement Rubber	509446
Bottom Out Stopper	681989 (500 psig)
Replacement Seal	529002
Rubber Stopper Lubricant	580657
Inserting	
MAOP*	D-5 = 500 psig / DH-5 = 1200 psig
Inserting Machine	D-5/DH-5
Machine Adapter	682503
Boring Bar Adapter Extension	64297
Inserting Tool	36190
Extracting	
MAOP*	D-5 = 500 psig / DH-5 = 1200 psig
Extracting Machine	D-5/DH-5
Machine Adapter	682503
Extracting Tool Adapter	36198
Extracting Tool	83213

*Maximum Allowable Operating Pressure
†Modified Tool Adapter

Rev. 6-10 Shaded area indicates changes

- Catalog number – **H-17165**
- Sizes – 2", 2-1/4"
- For use on steel or cast iron pipe only
- Mechanical Joint
- Fitting top and bottom halves are Cast Iron ASTM A126 CL.B
- Completion Plug makes primary seal
- Cast Iron Completion Cap makes secondary seal
- 125 psig* (862kPa)



H-17165

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 Dimensions

Size of Line Stopper Fitting	Outside Diameter of Shell Cutter Required (Inches)	Outside Diameter of Pipe (Inches)
2"	2.250	2.375 to 2.531
2-1/4"	2.625	2.750

Replacement Parts

Replacement Parts	Size of Fitting	
	2"	2-1/4"
Completion Cap	528469	528469
Completion Plug	36303	36402

*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. Refer to charts on following pages.

D-5™/DH-5™ and Unit #1 Machine

H-17165	2"	2"	2-1/4"	2-1/4"
Control Valve	H-10914 3"	H-10917 3"	H-10914 3"	H-10917 3"
Bushing	-	507783	-	507783
Installation				
Test Cap	36813	36813	36813	36813
Completion Plug Wrench	581264	581264	581264	581264
Drilling				
MAOP*	125 psig	125 psig	125 psig	125 psig
Power Operator	H-604	H-604	H-604	H-604
Machine Adapter	36376	36376	36376	36376
Cutter Arbor	88470	88470	88601	88601
Shell Cutter	36337 2-1/4"	36337 2-1/4"	36374 2-5/8"	36374 2-5/8"
Pilot Drill	36336	36336	36336	36336
Cutting Grease	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560
Stopping				
MAOP*	125 psig	125 psig	125 psig	125 psig
Stopping Machine	H-17135	H-17135	H-17135	H-17135
Stopping Machine Adapter	36370	36370	36370	36370
Solid Rubber Stopper	88478	88478	88482	88482
Replacement Rubber	36290	36290	36283	36283
Top Bypass Rubber Stopper	88471	88471	88485	88485
Replacement Rubber	36298	36298	36372	36372
Rubber Stopper Lubricant	580657	580657	580657	580657
Inserting				
MAOP*	125 psig	125 psig	125 psig	125 psig
Inserting Machine	H-17135	H-17135	H-17135	H-17135
Inserting Machine Adapter	36370	36370	36370	36370
Inserting Tool	580940	580940	580940	580940
Extracting				
MAOP*	125 psig	125 psig	125 psig	125 psig
Extracting Machine	H-17135	H-17135	H-17135	H-17135
Extracting Machine Adapter	36370	36370	36370	36370
Extracting Tool	580941	580941	580941	580941

*Maximum Allowable Operating Pressure

Rev. 6-10 Shaded area indicates changes

- Catalog number – **H-17166**
- Sizes – 2"
- For use on steel pipe only
- Insulated mechanical joint
- Fitting top and bottom halves are Cast Iron ASTM A126 CL.B
- Completion Plug makes primary seal
- Cast Iron Completion Cap makes secondary seal
- 125 psig* (862kPa)



H-17166

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 Dimensions

Size of Line Stopper Fitting	Outside Diameter of Shell Cutter Required (Inches)	Outside Diameter of Pipe (Inches)
2"	2.250	2.375 to 2.531

Replacement Parts

Replacement Parts	Size of Fitting
	2"
Completion Cap	528469
Completion Plug	36402

**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. Refer to charts on following pages.*

D-5™/DH-5™ and Unit #1 Machine

H-17166	2"	2"
Control Valve	H-10914 3"	H-10917 3"
Bushing	-	507783
Installation		
Test Cap	36813	36813
Completion Plug Wrench	581264	581264
Drilling		
MAOP*	125 psig	125 psig
Power Operator	H-604	H-604
Machine Adapter Nipple	36376	36376
Boring Bar Extension	64297	64297
Cutter Arbor	88601	88601
Shell Cutter	36374 2-5/8"	36374 2-5/8"
Pilot Drill	36336	36336
Cutting Grease	88366	88366
Honing Stone	682560	682560
Stopping		
MAOP*	125 psig	125 psig
Stopping Machine	H-17135	H-17135
Stopping Machine Adapter	36370	36370
Solid Rubber Stopper	88482	88482
Replacement Rubber	36283	36283
Top Bypass Rubber Stopper	88485	88485
Replacement Rubber	36372	36372
Rubber Stopper Lubricant	580657	580657
Inserting		
MAOP*	125 psig	125 psig
Inserting Machine	H-17135	H-17135
Inserting Machine Adapter	36370	36370
Inserting Tool	580940	580940
Extracting		
MAOP*	125 psig	125 psig
Extracting Machine	H-17135	H-17135
Extracting Machine Adapter	36370	36370
Extracting Tool	580941	580941

*Maximum Allowable Operating Pressure

Rev. 12-06 Shaded area indicates changes

- Catalog number – **H-17490**
- Sizes* – 3/4" x 2", 3/4" x 3", 1" x 3", 1-1/4" x 3", 2" x 3", 3" x 6"
- For use on steel pipe only
- Nipple body is forged steel (ASTM A105)
- Completion Plug makes primary seal
- Cast iron Completion Cap makes secondary seal
- 250 psig** (1724 kPa)



H-17490

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.

Replacement Parts

Replacement Parts	Size* of Nipple					
	3/4" x 2"	3/4" x 3"	1" x 3"	1-1/4" x 3"	2" x 3"	3" x 6"
Completion Cap	49680	49680	34061	37483	36310	36312
Completion Plug	503125	503125	78898	34060	36356	36402

*First size is size of inlet, second is length of nipple.

**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. Refer to charts on following pages.

E-5™/EH-5™ Machine

H-17490	3/4"	3/4"	1"	1"
Control Valve	H-10914 1-1/4"	H-10918 1-1/4"	H-10914 1-1/4"	H-10918 1-1/4"
Installation				
Test Cap	51361	51361	79159	79159
Completion Plug Wrench	96536	96536	96536	96536
Drilling				
MAOP*	125 psig	250 psig	125 psig	250 psig
Power Operator	H-604	H-604	H-604	H-604
Machine Adapter	36733	36733	36733	36733
Reducing Bushing	49681	49681	36969	36969
Drill	61788 1/2"	61788 1/2"	61982 5/8"	61982 5/8"
Drill Holder	-	-	61981	61981
Cutting Grease	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560
Inserting				
MAOP*	125 psig	250 psig	125 psig	250 psig
Machine Adapter	36733	36733	36733	36733
Inserting Tool	83256	83256	83261	83261
Extracting				
MAOP*	125 psig	250 psig	125 psig	250 psig
Machine Adapter	36733	36733	36733	36733
Extracting Tool	88279	88279	80088	80088

*Maximum Allowable Operating Pressure

Rev. 9-15 Shaded area indicates changes

E-5™/EH-5™ Machine

H-17490	1-1/4"	1-1/4"	2"	2"	2"
Control Valve	H-10914 1-1/4"	H-10918 1-1/4"	H-10914 2"	H-10917 2"	H-10918 2"
Bushing	-	-	-	-	-
Installation					
Test Cap	79160	79160	36811	36811	36811
Completion Plug Wrench	96536	96536	581264	581264	581264
Drilling					
MAOP*	125 psig	250 psig	125 psig	250 psig	250 psig
Power Operator	H-604	H-604	H-604	H-604	H-604
Machine Adapter	36733	36733	78907	78907	528329
Combine Drill and Holder	79185 3/4"	79185 3/4"	-	-	-
Cutter Holder	-	-	78906	78906	78906
Shell Cutter	-	-	78910 1-1/2"	78910 1-1/2"	78910 1-1/2"
Cutting Grease	88366	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560	682560
Inserting					
MAOP*	125 psig	250 psig	125 psig	250 psig	250 psig
Machine Adapter	36733	36733	78907	78907	528336
Inserting Tool	83261	83261	78905	78905	78905
Inserting Tool Extension	-	-	-	-	63392
Extracting					
MAOP*	125 psig	250 psig	125 psig	250 psig	250 psig
Machine Adapter	36733	36733	78907	78907	528336
Extracting Tool	80088	80088	80087	80087	80087

*Maximum Allowable Operating Pressure

D-5™/DH-5™ Machine

H-17490	1"	1"	1-1/4"	1-1/4"
Control Valve	H-10914 1-1/4"	H-10918 1-1/4"	H-10914 1-1/4"	H-10918 1-1/4"
Installation				
Test Cap	79159	79159	79160	79160
Completion Plug Wrench	96536	96536	96536	96536
Drilling				
MAOP*	125 psig	250 psig	125 psig	250 psig
Power Operator	H-604	H-604	H-604	H-604
Machine Adapter	36195	36195	36195	36195
Reducing Bushing	36969 1-1/4" x 1"	36969 1-1/4" x 1"	-	-
Drill	61982 5/8"	61982 5/8"	61790 3/4"	61790 3/4"
Drill Holder	36998	36998	36915	36915
Cutting Grease	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560
Inserting				
MAOP*	125 psig	250 psig	125 psig	250 psig
Machine Adapter	36195	36195	36195	36195
EZ Releasing Inserting Tool	83261	83261	83400	83400
Boring Bar Adapter	40438	40438	40438	40438
1-PC Inserting Tool	33599	33599	33599	33599
Extracting				
MAOP*	125 psig	250 psig	125 psig	250 psig
Machine Adapter	36195	36195	36195	36195
Extracting Tool	88286	88286	88286	88286

*Maximum Allowable Operating Pressure

Rev. 9-17 Shaded area indicates changes

D-5™/DH-5™ Machine

H-17490	2"	2"	2"	3"	3"
Control Valve	H-10914 2"	H-10917 2"	H-10918 2"	H-10914 3"	H-10917 3"
Bushing	-	-	-	-	-
Installation					
Test Cap	36811	36811	36811	36813	36813
Completion Plug Wrench	581264	581264	581264	581264	581264
Drilling					
MAOP*	125 psig	250 psig	250 psig	125 psig	250 psig
Power Operator	H-604	H-604	H-604	H-604	H-604
Machine Adapter	36188	36188	36188	36376	36376
Machine Adapter Bushing	-	-	-	-	-
Shell Cutter Adapter	-	-	-	88601	88601
Boring Bar Adapter	-	-	-	-	-
Shell Cutter	-	-	-	36374 2-5/8"	36374 2-5/8"
Pilot Drill	-	-	-	36336	36336
Drill	33537 1-1/2"	33537 1-1/2"	33537 1-1/2"	-	-
Drill Holder	33316	33316	33316	-	-
Cutting Grease	88366	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560	682560
Inserting					
MAOP*	125 psig	250 psig	250 psig	125 psig	250 psig
Machine Adapter	36188	36188	36188	36376	36376
Machine Adapter Bushing	-	-	-	-	-
Boring Bar Adapter	-	-	-	-	-
1-PC Inserting Tool	36190	36190	36190	36190	36190
Extracting					
MAOP*	125 psig	250 psig	250 psig	125 psig	250 psig
Machine Adapter	36188	36188	36188	36376	36376
Extracting Tool	88384	88384	88384	88384	88384

*Maximum Allowable Operating Pressure

- Catalog number – **H-17491**
- Sizes* – 3/4" x 2", 3/4" x 3", 1" x 3", 1-1/4" x 3", 2" x 3", 3" x 3", 3" x 6"
- For use on steel pipe only
- Nipple body is forged steel (ASTM A105)
- Completion Plug makes primary seal
- Steel Completion Cap makes secondary seal
- 1440 psig** (9930 kPa)



H-17491

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.

Replacement Parts

Replacement Parts	Size* of Nipple						
	3/4" x 2"	3/4" x 3"	1" x 3"	1-1/4" x 3"	2" x 3"	3" x 3"	3" x 6"
Completion Cap	502669	502669	52412	52413	52430	52374	52374
Completion Plug	503125	503125	78898	34060	36356	36402	36402

*First size is size of inlet, second is length of nipple.

**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. Refer to charts on following pages.

Rev. 9-17 Shaded area indicates changes

E-5™/EH-5™ Machine

H-17491	3/4"	3/4"	1"	1"
Control Valve	H-10914 1-1/4"	H-10918 1-1/4"	H-10914 1-1/4"	H-10918 1-1/4"
Installation				
Test Cap	51361	51361	79159 CI / 537398 Steel	79159 CI / 537398 Steel
Completion Plug Wrench	96536	96536	96536	96536
Drilling				
MAOP*	125 psig	E-5 = 500 psig EH-5 = 1200 psig	125 psig	E-5 = 500 psig EH-5 = 1200 psig
Power Operator	H-604	H-604	H-604	H-604
Machine Adapter	36733	36733	36733	36733
Reducing Bushing	49681	49681	36969	36969
Drill	61788 1/2"	61788 1/2"	61982 5/8"	61982 5/8"
Drill Holder	-	-	61981	61981
Cutting Grease	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560
Inserting				
MAOP*	125 psig	E-5 = 500 psig EH-5 = 1200 psig	125 psig	E-5 = 500 psig EH-5 = 1200 psig
Machine Adapter	36733	36733	36733	36733
EZ Release Inserting Tool	83256	83256	83261	83261
Extracting				
MAOP*	125 psig	E-5 = 500 psig EH-5 = 1200 psig	125 psig	E-5 = 500 psig EH-5 = 1200 psig
Machine Adapter	36733	36733	36733	36733
Extracting Tool	88279	88279	80088	80088

*Maximum Allowable Operating Pressure

E-5™/EH-5™ Machine

H-17491	1-1/4"	1-1/4"	2"	2"	2"
Control Valve	H-10914 1-1/4"	H-10918 1-1/4"	H-10914 2"	H-10917 2"	H-10918 2"
Bushing	-	-	-	-	-
Installation					
Test Cap	79160 CI / 537399 Steel	79160 CI / 537399 Steel	36811 CI / 537401 Steel	36811 CI / 537401 Steel	36811 CI / 537401 Steel
Completion Plug Wrench	96536	96536	581264	581264	581264
Drilling					
MAOP*	125 psig	E-5 = 500 psig EH-5 = 1200 psig	125 psig	275 psig	E-5 = 500 psig EH-5 = 1200 psig
Power Operator	H-604	H-604	H-604	H-604	H-604
Machine Adapter	36733	36733	78907	78907	528329
Combine Drill and Holder	79185 3/4"	79185 3/4"	-	-	-
Cutter Holder	-	-	78906	78906	78906
Shell Cutter	-	-	78910 1-1/2"	78910 1-1/2"	78910 1-1/2"
Cutting Grease	88366	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560	682560
Inserting					
MAOP*	125 psig	E-5 = 500 psig EH-5 = 1200 psig	125 psig	275 psig	E-5 = 500 psig EH-5 = 1200 psig
Machine Adapter	36733	36733	78907	78907	528336
Inserting Tool	83261	83261	78905	78905	78905
Inserting Tool Extension	-	-	-	-	63392
Extracting					
MAOP*	125 psig	E-5 = 500 psig EH-5 = 1200 psig	125 psig	275 psig	E-5 = 500 psig EH-5 = 1200 psig
Machine Adapter	36733	36733	78907	78907	528336
Extracting Tool	80088	80088	80087	80087	80087

*Maximum Allowable Operating Pressure

Rev. 9-17 Shaded area indicates changes

D-5™/DH-5™ Machine

H-17491	1"	1"	1-1/4"	1-1/4"
Control Valve	H-10914 1-1/4"	H-10918 1-1/4"	H-10914 1-1/4"	H-10918 1-1/4"
Installation				
Test Cap	79159 CI / 537398 Steel	79159 CI / 537398 Steel	79160 CI / 537399 Steel	79160 CI / 537399 Steel
Completion Plug Wrench	96536	96536	96536	96536
Drilling				
MAOP*	125 psig	D-5 = 500 psig DH-5 = 1200 psig	125 psig	D-5 = 500 psig DH-5 = 1200 psig
Power Operator	H-604	H-604	H-604	H-604
Machine Adapter	36195	36195	36195	36195
Reducing Bushing	36969 1-1/4" x 1"	36969 1-1/4" x 1"	-	-
Drill	61982 5/8"	61982 5/8"	61790 3/4"	61790 3/4"
Drill Holder	36998	36998	36915	36915
Cutting Grease	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560
Inserting				
MAOP*	125 psig	D-5 = 500 psig DH-5 = 1200 psig	125 psig	D-5 = 500 psig DH-5 = 1200 psig
Machine Adapter	36195	36195	36195	36195
EZ Release Inserting Tool	83261	83261	83261	83261
Boring Bar Adapter	40438	40438	40438	40438
1-PC Inserting Tool	33599	33599	33599	33599
Extracting				
MAOP*	125 psig	D-5 = 500 psig DH-5 = 1200 psig	125 psig	D-5 = 500 psig DH-5 = 1200 psig
Machine Adapter	36195	36195	36195	36195
Extracting Tool	88286	88286	88286	88286

*Maximum Allowable Operating Pressure

D-5™/DH-5™ Machine

H-17491	2"	2"	2"	3"	3"	3"
Control Valve	H-10914 2"	H-10917 2"	H-10918 2"	H-10914 3"	H-10917 3"	H-10918 3"
Bushing	-	-	-	-	-	507783
Installation						
Test Cap	36811 CI / 537401 Steel	36811 CI / 537401 Steel	36811 CI / 537401 Steel	36813 CI / 537478 Steel	36813 CI / 537478 Steel	36813 CI / 537478 Steel
Completion Plug Wrench	581264	581264	581264	581264	581264	581264
Drilling						
MAOP*	125 psig	275 psig	D-5 = 500 psig DH-5 = 1200 psig	125 psig	275 psig	D-5 = 500 psig DH-5 = 1200 psig
Power Operator	H-604	H-604	H-604	H-604	H-604	H-604
Machine Adapter	36188	36188	36188	36376	36376	47394
Machine Adapter Bushing	-	-	-	-	-	507783
Shell Cutter Adapter	-	-	-	88601	88601	88601
Boring Bar Adapter	-	-	-	-	-	64297
Shell Cutter	-	-	-	36374 2-5/8"	36374 2-5/8"	36374 2-5/8"
Pilot Drill	-	-	-	36336	36336	36336
Drill	33537 1-1/2"	33537 1-1/2"	33537 1-1/2"	-	-	-
Drill Holder	33316	33316	33316	-	-	-
Cutting Grease	88366	88366	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560	682560	682560
Inserting						
MAOP*	125 psig	275 psig	D-5 = 500 psig DH-5 = 1200 psig	125 psig	275 psig	D-5 = 500 psig DH-5 = 1200 psig
Machine Adapter	36188	36188	36188	36376	36376	47394
Machine Adapter Bushing	-	-	-	-	-	507783
Boring Bar Extension	-	-	-	-	-	64297
1-PC Inserting Tool	36190	36190	36190	36190	36190	36190
EZ Release Inserting Tool	83258	83258	83258	83258	83258	83258
Boring Bar Adapter	36324	36324	36324	36324	36324	36324
Extracting						
MAOP*	125 psig	275 psig	D-5 = 500 psig DH-5 = 1200 psig	125 psig	275 psig	D-5 = 500 psig DH-5 = 1200 psig
Machine Adapter	36188	36188	36188	36376	36376	47394
Extracting Tool	88384	88384	88384	88384	88384	83213
Extracting Tool Adapter	-	-	-	-	-	36198

*Maximum Allowable Operating Pressure

Rev. 12-06 Shaded area indicates changes

- Catalog number – **H-10412**
- Sizes* – 1" x 2", 1-1/4" x 2", 1-1/2" x 3", 2" x 3"
- For use on steel pipe only
- Completion Plug makes primary seal
- Nipple body made from steel pipe
- Cast Iron Completion Cap makes secondary seal
- 250 psig** (1724 kPa)



H-10412

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.

Replacement Parts

Replacement Parts	Size* of Nipple			
	1"	1-1/4"	1-1/2"	2"
Completion Cap	34061	37483	38138	36310
Completion Plug	34060	34122	34142	36356

*First size is size of inlet, second is length of nipple.

**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. Refer to charts on following pages.

E-5™/EH-5™ Machine

H-10412	1"	1"	1-1/4"	1-1/4"	1-1/2"	1-1/2"
Control Valve	H-10914 1-1/4"	H-10918 1-1/4"	H-10914 1-1/4"	H-10918 1-1/4"	H-10914 1-1/2"	H-10918 1-1/2"
Installation						
Test Cap	79159	79159	79160	79160	79161	79161
Completion Plug Wrench	96536	96536	96536	96536	96536	96536
Drilling						
MAOP*	125 psig	250 psig	125 psig	250 psig	125 psig	250 psig
Power Operator	H-604	H-604	H-604	H-604	H-604	H-604
Machine Adapter	36733	36733	36733	36733	33575	33575
Reducing Bushing	36969 1-1/4" x 1"	36969 1-1/4" x 1"	-	-	-	-
Drill	61982 5/8"	61982 5/8"	-	-	-	-
Drill Holder	61981	61981	-	-	-	-
Combined Drill and Holder	-	-	79185 3/4"	79185 3/4"	79186 1"	79186 1"
Cutting Grease	88366	88366	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560	682560	682560
Inserting						
MAOP*	125 psig	250 psig	125 psig	250 psig	125 psig	250 psig
Machine Adapter	36733	36733	36733	36733	33575	33575
EZ Release Inserting Tool	83261	83261	83261	83261	83261	83261
Extracting						
MAOP*	125 psig	250 psig	125 psig	250 psig	125 psig	250 psig
Machine Adapter	36733	36733	36733	36733	36733	36733
Extracting Tool	80088	80088	80088	80088	80088	80088

*Maximum Allowable Operating Pressure

Rev. 9-17 Shaded area indicates changes

E-5™/EH-5™ Machine

H-10412	2"	2"	2"
Control Valve	H-10914 2"	H-10917 2"	H-10918 2"
Bushing	-	-	-
Installation			
Test Cap	36811	36811	36811
Completion Plug Wrench	581264	581264	581264
Drilling			
MAOP*	125 psig	250 psig	250 psig
Power Operator	H-604	H-604	H-604
Machine Adapter	78907	78907	528329
Cutter Holder	78906	78906	78906
Shell Cutter	78910	78910	78910
Cutting Grease	88366	88366	88366
Honing Stone	682560	682560	682560
Inserting			
MAOP*	125 psig	250 psig	250 psig
Machine Adapter	78907	78907	528329
Boring Bar Extension	-	-	63392
1-PC Inserting Tool	78905	78905	78905
Extracting			
MAOP*	125 psig	250 psig	250 psig
Machine Adapter	78907	78907	528336
Extracting Tool	80087	80087	80087

*Maximum Allowable Operating Pressure

D-5™/DH-5™ Machine

H-10412	1"	1"	1-1/4"	1-1/4"	1-1/2"	1-1/2"
Control Valve	H-10914 1-1/4"	H-10918 1-1/4"	H-10914 1-1/4"	H-10918 1-1/4"	H-10914 1-1/2"	H-10918 1-1/2"
Bushing	36969	36969	-	-	-	-
Installation						
Test Cap	79159	79159	79160	79160	79161	79161
Completion Plug Wrench	96536	96536	96536	96536	96536	96536
Drilling						
MAOP*	125 psig	250 psig	125 psig	250 psig	125 psig	250 psig
Power Operator	H-604	H-604	H-604	H-604	H-604	H-604
Machine Adapter	36195	36195	36195	36195	36196	36196
Drill	61982 5/8"	61982 5/8"	61790 3/4"	61790 3/4"	33529 1"	33529 1"
Drill Holder	36998	36998	36915	36915	33555	33555
Cutting Grease	88366	88366	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560	682560	682560
Inserting						
MAOP*	125 psig	250 psig	125 psig	250 psig	125 psig	250 psig
Machine Adapter	36195	36195	36195	36195	36196	36916
Boring Bar Adapter	40438	40438	40438	40438	40438	40438
EZ Release Inserting Tool	83261	83261	83261	83261	83261	83261
Extracting						
MAOP*	125 psig	250 psig	125 psig	250 psig	125 psig	250 psig
Machine Adapter	36195	36195	36195	36195	36196	36916
Boring Bar Adapter	40438	40438	40438	40438	40438	40438
Extracting Tool	88286	88286	88286	88286	88286	88286

*Maximum Allowable Operating Pressure

Rev. 9-17 Shaded area indicates changes

D-5™/DH-5™ Machine

H-10412	2"	2"	2"
Control Valve	H-10914 2"	H-10917 2"	H-10918 2"
Bushing	-	-	-
Installation			
Test Cap	36811	36811	36811
Completion Plug Wrench	581264	581264	581264
Drilling			
MAOP*	125 psig	250 psig	250 psig
Power Operator	H-604	H-604	H-604
Machine Adapter	36188	36188	-
Drill	33537 1-1/2"	33537 1-1/2"	-
Drill Holder	33316	33316	-
Cutting Grease	88366	88366	88366
Honing Stone	682560	682560	682560
Inserting			
MAOP*	125 psig	250 psig	250 psig
Machine Adapter	36188	36188	-
1-PC Inserting Tool	36190	36190	-
Extracting			
MAOP*	125 psig	250 psig	250 psig
Machine Adapter	36188	36188	-
Extracting Tool	88384	88384	-

*Maximum Allowable Operating Pressure

- Catalog number – **H-10413**
- Sizes* – 3/4" x 3", 1" x 3", 1-1/4" x 3", 2" x 3"
- For use on steel pipe only
- Nipple body made from steel pipe
- Completion Plug makes primary seal
- Cast Iron Completion Cap makes secondary seal
- 250 psig** (1724 kPa)



H-10413

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.

Replacement Parts

Replacement Parts	Size of Nipple			
	3/4"	1"	1-1/4"	2" x 3"
Completion Cap	49680	34061	37483	36310
Completion Plug	503125	78898	34060	36356

*First size is size of inlet, second is length of nipple.

**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. Refer to charts on following pages.

Rev. 9-17 Shaded area indicates changes

E-5™/EH-5™ Machine

H-10413	3/4"	3/4"	1"	1"	1-1/4"	1-1/4"
Control Valve	H-10914 1-1/4"	H-10916 1-1/4"	H-10914 1-1/4"	H-10918 1-1/4"	H-10914 1-1/4"	H-10918 1-1/4"
Bushing	49681	49681	36969	36969	-	-
Installation						
Test Cap	51361	51361	79159	79159	79160	79160
Completion Plug Wrench	96536	96536	96536	96536	96536	96536
Drilling						
MAOP*	125 psig	250 psig	125 psig	250 psig	125 psig	250 psig
Power Operator	H-604	H-604	H-604	H-604	H-604	H-604
Machine Adapter	36733	36733	36733	36733	33575	33575
Drill	-	-	61982 5/8"	61982 5/8"	-	-
Drill Holder	-	-	61981	61981	-	-
Combined Drill and Holder	61788 1/2"	61788 1/2"	-	-	79185 3/4"	79185 3/4"
Cutting Grease	88366	88366	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560	682560	682560
Inserting						
MAOP*	125 psig	250 psig	125 psig	250 psig	125 psig	250 psig
Machine Adapter	36733	36733	36733	36733	36733	36733
EZ Release Inserting Tool	83256	83256	83261	83261	83261	83261
Extracting						
MAOP*	125 psig	250 psig	125 psig	250 psig	125 psig	250 psig
Machine Adapter	36733	36733	36733	36733	36733	36733
Extracting Tool	88279	88279	80088	80088	80088	80088

*Maximum Allowable Operating Pressure

E-5™/EH-5™ Machine

H-10413	2"	2"	2"
Control Valve	H-10914 2"	H-10917 2"	H-10918 2"
Bushing	-	-	-
Installation			
Test Cap	36811	36811	36811
Completion Plug Wrench	581264	581264	581264
Drilling			
MAOP*	125 psig	250 psig	250 psig
Power Operator	H-604	H-604	H-604
Machine Adapter	78907	78907	528329
Cutter Holder	78906	78906	78906
Shell Cutter	78910 1-1/2"	78910 1-1/2"	78910 1-1/2"
Cutting Grease	88366	88366	88366
Honing Stone	682560	682560	682560
Inserting			
MAOP*	125 psig	250 psig	250 psig
Machine Adapter	78907	78907	528329
Boring Bar Extension	-	-	63392
1-PC Inserting Tool	78905	78905	78905
Extracting			
MAOP*	125 psig	250 psig	250 psig
Machine Adapter	78907	78907	528336
Extracting Tool	80087	80087	80087

*Maximum Allowable Operating Pressure

Rev. 9-17 Shaded area indicates changes

D-5™/DH-5™ Machine

H-10413	1"	1"	1-1/4"	1-1/4"
Control Valve	H-10914 1-1/4"	H-10918 1-1/4"	H-10914 1-1/4"	H-10918 1-1/4"
Bushing	36969	36969	-	-
Installation				
Test Cap	79159	79159	79160	79160
Completion Plug Wrench	96536	96536	96536	96536
Drilling				
MAOP*	125 psig	250 psig	125 psig	250 psig
Power Operator	H-604	H-604	H-604	H-604
Machine Adapter	36195	36195	36195	36195
Drill	61982 5/8"	61982 5/8"	61790 3/4"	61790 3/4"
Drill Holder	36998	36998	36915	36915
Cutting Grease	88366	88366	88366	88366
Honing Stone	682560	682560	682560	682560
Inserting				
MAOP*	125 psig	250 psig	125 psig	250 psig
Machine Adapter	36195	36195	36195	36195
Boring Bar Adapter	40438	40438	40438	40438
EZ Release Inserting Tool	83261	83261	83261	83261
1-PC Inserting Tool	33599	33599	33599	33599
Extracting				
MAOP*	125 psig	250 psig	125 psig	250 psig
Machine Adapter	36195	36195	36195	36195
Extracting Tool	88286	88286	88286	88286

*Maximum Allowable Operating Pressure