

JCM 440 Line Stop Sleeves

440 Type Material Specifications

All 440 Line Stop Fitting Types:

Line Stop Plug: Ductile Iron per ASTM A536

Plug O-Ring: Nitrile (NBR, Buna-N) Rubber - Gasket temperature range -40° to 180°F (-40°C to 82°C).

Blind Flange: 150#, ASTM A36 Carbon Steel, Epoxy Coated

Blind Flange Gasket: Styrene-Butadiene Rubber (SBR) - Compounded for use with water, salt solutions, mild acids and bases. Standard temperature range from -40° to 150°F (-40° to 65°C) constant, maximum intermittent 180°F (82°C).

Push Plug/Pin Hardware: Per ASTM F912

440 Type 1	Body:	Stainless Steel, 18-8 Type 304 per ASTM A240
440 Type 11	Flange:	ASME/ANSI 150 lb. Drilling, B16.1 Class 125 Compatible, Type 304 Stainless Steel, recess for tapping valve MSS-SP60
	Bolts:	Stainless Steel, 18-8 Type 304
	Gasket:	Full circumferential Virgin Styrene-Butadiene Rubber (SBR) - Compounded for use with water, salt solutions, mild acids and bases per ASTM D2000. Standard temperature range from -40° to 150°F (-40° to 65°C) constant, maximum intermittent 180°F (82°C).
440 Type 2	Body:	ASTM A285 Grade C or A36 Carbon Steel or Equal
440 Type 12	Flange:	ASME/ANSI 150 lb. Drilling, B16.1 Class 125 Compatible, Carbon Steel, recess for tapping valve MSS-SP60
	Bolts:	ASTM A242 corrosion resistant high strength, low alloy (ANSI/AWWA C111/A21.11). Optional Stainless Steel 18-8 Type 304 or 316 available.
	Finish:	Heavy coat of corrosion resistant shop coat primer. Optional fusion applied Epoxy Coating per ANSI/AWWA C213 Standard.
	Gasket:	Nitrile Butadiene Rubber (NBR, Buna-N) per ASTM D2000. Molded virgin rubber with a pressure activated hydro mechanical design. Gasket is bonded into a cavity for internal and external retention. Gasket temperature range -40° to 180°F (-40° - 82°C). Gasket suitable for water, salt solutions, mild acids, bases, and sewage.
440 Type 3	Body:	Stainless Steel, 18-8 Type 304 per ASTM A240
440 Type 13	Flange:	ASME/ANSI 150 lb. Drilling, B16.1 Class 125 Compatible, Type 304 Stainless Steel, recess for tapping valve MSS-SP60
	Bolts:	Stainless Steel, 18-8 Type 304
	Gasket:	Nitrile Butadiene Rubber (NBR, Buna-N) per ASTM D2000. Molded virgin rubber with a pressure activated hydro mechanical design. Gasket is bonded into a cavity for internal and external retention. Gasket temperature range -40° to 180°F (-40° - 82°C). Gasket suitable for water, salt solutions, mild acids, bases, and sewage.
440 Type 4	Body:	Stainless Steel, 18-8 Type 304 per ASTM A240
440 Type 14	Flange:	ASME/ANSI 150 lb. Drilling, B16.1 Class 125 Compatible, Carbon Steel, recess for tapping valve MSS-SP60, shop coat for corrosion resistance.
	Bolts:	Stainless Steel, 18-8 Type 304
	Gasket:	Full circumferential Virgin Styrene-Butadiene Rubber (SBR) - Compounded for use with water, salt solutions, mild acids and bases per ASTM D2000. Standard temperature range from -40° to 150°F (-40° to 65°C) constant, maximum intermittent 180°F (82°C).
440 Type 5	Body:	Stainless Steel, 18-8 Type 304 per ASTM A240
440 Type 15	Flange:	ASME/ANSI 150 lb. Drilling, B16.1 Class 125 Compatible, Carbon Steel, recess for tapping valve MSS-SP60, shop coat for corrosion resistance.
	Bolts:	Stainless Steel, 18-8 Type 304
	Gasket:	Nitrile Butadiene Rubber (NBR, Buna-N) per ASTM D2000. Molded virgin rubber with a pressure activated hydro mechanical design. Gasket is bonded into a cavity for internal and external retention. Gasket temperature range -40° to 180°F (-40° - 82°C). Gasket suitable for water, salt solutions, mild acids, bases, and sewage.

U.S. Patent No. 8176929

JCM Line Stop Fittings with Full Circumferential Gasket

The 440 Line Stop Sleeve Family offers the sleeve you need for the application. As the **NUMBER ONE** choice of contractors, JCM continues to meet the challenge of field application requirements with product design, material selection and delivery expectations.

JCM 440 Line Stop Family continues to grow with advanced designs, material combinations and numerous options to fit your application.

JCM's patented Line Stop Sleeves adapt to popular line stop machines and can be rated up to 250 PSI.

JCM Line Stop Sleeves with Full Circumferential Gasket are designed for applications in which the pipe is susceptible to breaking during or after the tapping/line stop procedure. JCM 440 Line Stops with Full Circumferential Gasket are offered in two fabricated material combinations: All Stainless Steel or Stainless Steel with Carbon Steel Outlet.

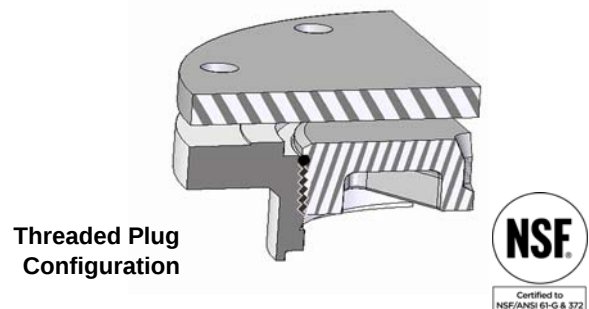
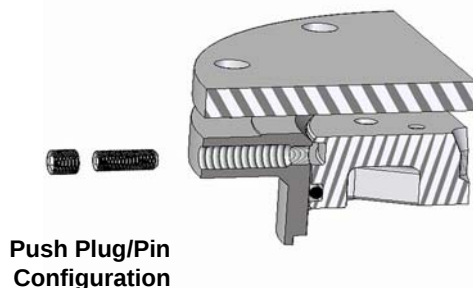
Both sleeves are offered with either the "threaded plug" design or the "push plug" design.

JCM 440 Line Stop Sleeves with Full Circumferential Gasket Material Specifications

Line Stop Plug:	Ductile Iron per ASTM A536
Plug O-Ring:	Nitrile (NBR, Buna-N) Rubber - Gasket temperature range -40° to 180°F (-40°C to 82°C).
Blind Flange:	150#, ASTM A36 Carbon Steel, Epoxy Coated
Blind Flange Gasket:	Styrene-Butadiene Rubber (SBR) - Compounded for use with water, salt solutions, mild acids and bases. Standard temperature range from -40° to 150°F (-40° to 65°C) constant, maximum intermittent 180°F (82°C).
Push Plug/Pin Hardware:	Per ASTM F912
Bolts:	Stainless Steel, 18-8 Type 304 or 316
Body:	Stainless Steel, 18-8 Type 304 per ASTM A240.
Body Gasket:	Full circumferential virgin Styrene-Butadiene Rubber (SBR) - Compounded for use with water, salt solutions, mild acids and bases per ASTM D2000. Standard temperature range from -40° to 150°F (-40° to 65°C) constant, maximum intermittent 180°F (82°C)..

440 Line Stop Sleeve	Outlet Material Options for Stainless Steel Full Circumferential Gasket Sleeve
	JCM 440 Type 1 - All Stainless Steel with Full Circumferential Gasket - Threaded Plug JCM 440 Type 11 - All Stainless Steel with Full Circumferential Gasket - Push Plug/Pin Outlet Material: ASME/ANSI 150 lb. Drilling, B16.1 Class 125 Compatible, Type 304 Stainless Steel, recess for tapping valve MSS-SP60
	JCM 440 Type 4 - Stainless Steel Carbon Steel Outlet Full Circumferential Gasket - Threaded Plug JCM 440 Type 14 - Stainless Steel Carbon Steel Outlet Full Circumferential Gasket - Push Plug/Pin Outlet Material: ASME/ANSI 150 lb. Drilling, B16.1 Class 125 Compatible, Carbon Steel, recess for tapping valve MSS-SP60, shop coated for corrosion resistance. Optional: Fusion applied epoxy coating.

1. Determine O.D. of pipe
 2. Select proper catalog number
 3. Select proper outlet size
 4. Select proper outlet plug type code (threaded or push/pin)
 5. Add Outlet Type Code (T1 or T11)
- Example: For Ductile Iron with 6.90 O.D. with threaded plug, order: 440-0690 T1





JCM 440 Type 1 Line Stop with Full Circumferential Gasket - Threaded Plug
JCM 440 Type 11 Line Stop with Full Circumferential Gasket - Push Plug/Pin
All Stainless Steel Construction - Full Circumferential Gasket

Recommended for: cast iron, ductile iron, asbestos cement, PVC and other types of pipe susceptible to breakage.

NOMINAL PIPE SIZE (IN.)	SLEEVE O.D. RANGE (IN.)	CATALOG NUMBER X OUTLET SIZE X PLUG CODE	OUTLET SIZE	THREADED PLUG TYPE CODE	PUSH PLUG/PIN TYPE CODE	APPROX. WEIGHT (LBS.)
4	4.40 - 4.60	440-0450	x 4	T1	T11	56
	4.50 - 4.80	440-0465		T1	T11	
	4.74 - 5.00	440-0480		T1	T11	
	5.10 - 5.30	440-0520		T1	T11	
6	6.56 - 6.76	440-0663	x 4	T1	T11	63 81
	6.84 - 7.10	440-0690		T1	T11	
	7.05 - 7.25	440-0720	x 6	T1	T11	
	7.40 - 7.65	440-0745		T1	T11	
8	8.54 - 8.74	440-0863	x 6	T1	T11	86 132
	8.60 - 9.05	440-0900		T1	T11	
	8.98 - 9.30	440-0905	x 8	T1	T11	
	9.27 - 9.50	440-0940		T1	T11	
10	9.83 - 10.25	440-1000	x 8	T1	T11	126 192
	10.64 - 10.86	440-1075		T1	T11	
	11.03 - 11.40	440-1110	x10	T1	T11	
	11.36 - 11.80	440-1140		T1	T11	
	11.85 - 12.15	440-1200		T1	T11	
12	12.62 - 12.85	440-1275	x 8	T1	T11	144 269
	12.75 - 13.20	440-1300		T1	T11	
	13.12 - 13.50	440-1320	x 12	T1	T11	
	13.70 - 14.09	440-1392		T1	T11	
	14.10 - 14.35	440-1420		T1	T11	



JCM 440 Type 4 Line Stop Full Circumferential Gasket - Threaded Plug
JCM 440 Type 14 Line Stop Full Circumferential Gasket - Push Plug/Pin
Stainless Steel Body - Carbon Steel Outlet - Full Circumferential Gasket

Recommended for: cast iron, ductile iron, asbestos cement, PVC and other types of pipe susceptible to breakage.

NOMINAL PIPE SIZE (IN.)	SLEEVE O.D. RANGE (IN.)	CATALOG NUMBER X OUTLET SIZE X PLUG CODE	OUTLET SIZE	THREADED PLUG TYPE CODE	PUSH PLUG/PIN TYPE CODE	APPROX. WEIGHT (LBS.)
4	4.40 - 4.60	440-0450	x 4	T4	T14	56
	4.50 - 4.80	440-0465		T4	T14	
	4.74 - 5.00	440-0480		T4	T14	
	5.10 - 5.30	440-0520		T4	T14	
6	6.56 - 6.76	440-0663	x 4	T4	T14	63 81
	6.84 - 7.10	440-0690		T4	T14	
	7.05 - 7.25	440-0720	x 6	T4	T14	
	7.40 - 7.65	440-0745		T4	T14	
8	8.54 - 8.74	440-0863	x 6	T4	T14	86 132
	8.60 - 9.05	440-0900		T4	T14	
	8.98 - 9.30	440-0905	x 8	T4	T14	
	9.27 - 9.50	440-0940		T4	T14	
10	9.83 - 10.25	440-1000	x 8	T4	T14	126 192
	10.64 - 10.86	440-1075		T4	T14	
	11.03 - 11.40	440-1110	x 10	T4	T14	
	11.36 - 11.80	440-1140		T4	T14	
	11.85 - 12.15	440-1200		T4	T14	
12	12.62 - 12.85	440-1275	x 8	T4	T14	144 269
	12.75 - 13.20	440-1300		T4	T14	
	13.12 - 13.50	440-1320	x 12	T4	T14	
	13.70 - 14.09	440-1392		T4	T14	
	14.10 - 14.35	440-1420		T4	T14	

Other sleeve ranges and outlet sizes available upon request.

U.S. Patent No. 8,176,929

JCM Line Stop Fittings with Outlet Seal Gasket

The JCM 440 Line Stop Fitting with Outlet Seal Gasket are fabricated for types of pipe that are not susceptible to breaking and for large diameter pipelines. JCM offers the broadest selection of material combination in the industry and can meet the exacting standards of your application. Fabrication materials include: carbon steel, carbon/stainless and all stainless steel. JCM patented Line Stop Sleeves adapt to popular line stop machines and can be rated up to 250 PSI. Other designs available: weld-on outlets and sleeves, mechanical joint sleeves, specialty configurations. All combinations are available with "threaded plug" design or "push plug" design.

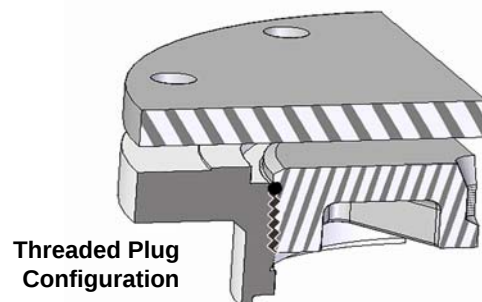
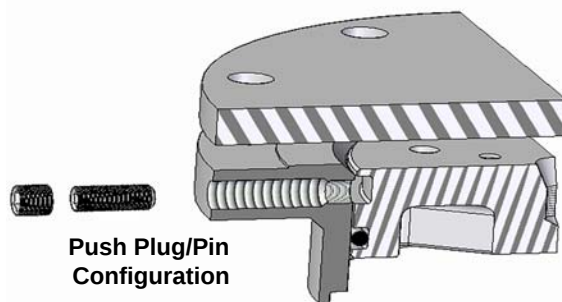
440 Line Stop Sleeve	Outlet Gasket Sleeve Description
	JCM 440 Type 2 - Carbon Steel Construction - Outlet Seal Gasket - Threaded Plug JCM 440 Type 12 - Carbon Steel Construction - Outlet Seal Gasket - Push Plug/pin Pipe Sizes: 4" - 20" and larger Optional epoxy coating per ANSI/AWWA Standard C213 Optional Hardware 304 or 316 stainless Optional gasket materials. Recommended for: cast iron, ductile iron, C-900/C905 PVC, HDPE, steel
	JCM 440 Type 3 - All Stainless Steel Construction - Outlet Seal Gasket - Threaded Plug JCM 440 Type 13 - All Stainless Steel Construction - Outlet Seal Gasket - Push Plug Pin Pipe Sizes: 4" - 20" and larger Optional gasket materials Recommended for: cast iron, ductile iron, C-900/C905 PVC, HDPE, steel
	JCM 440 Type 5 - Stainless Steel Body - Carbon Steel Outlet - Outlet Seal Gasket - Threaded Plug JCM 440 Type 15 - Stainless Steel Body - Carbon Steel Outlet - Outlet Seal Gasket - Push Plug Pin Pipe Sizes: 4" - 20" and larger Optional gasket materials Recommended for: cast iron, ductile iron, C-900/C905 PVC, HDPE, steel

How To Order:

1. Determine O.D. of pipe
2. Select proper catalog number
3. Select proper outlet size
4. Select proper outlet plug type code (threaded or push/pin)
5. Add Outlet Type Code (T2 or T12)

Example: For Ductile Iron with 6.90 O.D. with threaded plug, order: 440-0690 T2

Other sleeve size and outlet size combinations available upon request.





JCM 440 Type 2 - Carbon Steel - Outlet Seal Gasket - Threaded Plug JCM 440 Type 12 - Carbon Steel - Outlet Seal Gasket - Push Plug/Pin

Furnished standard shopcoat with alloy hardware

- Line Stop Plug:** Ductile Iron per ASTM A536
Plug O-Ring: Nitrile (NBR, Buna-N) Rubber - Gasket temperature range -40° to 180°F (-40°C to 82°C).
Blind Flange: 150#, ASTM A36 Carbon Steel, Epoxy Coated
Blind Flange Gasket: Styrene-Butadiene Rubber (SBR) - for use with water, salt solutions, mild acids and bases. Standard temperature range from -40° to 150°F (-40° to 65°C) constant, maximum intermittent 180°F (82°C). Per ASTM F912
Push Plug/Pins: Per ASTM F912
Outlet Gasket: Nitrile Butadiene Rubber (NBR, Buna-N) per ASTM D2000. Molded virgin rubber with a pressure activated hydromechanical design. Gasket is bonded into a cavity for internal and external retention. Gasket suitable for water, salt solutions, mild acids, bases, and sewage.
Body: ASTM A285 Grade C or A36 Carbon Steel or Equal
Flange: ASME/ANSI 150 lb. Drilling, B16.1 Class 125 Compatible, Carbon Steel
 Flange recess for tapping valve MSS-SP60
Bolts: ASTM A242 corrosion resistant high strength, low alloy (per ANSI/AWWA C111/A21.11). Optional Stainless Steel 18-8 Type 304 or 316 available.

JCM 440 Type 2 - Carbon Steel - Outlet Seal Gasket - Threaded Plug JCM 440 Type 12 - Carbon Steel - Outlet Seal Gasket - Push Plug/Pin

NOMINAL PIPE SIZE (IN.)	SLEEVE O.D. RANGE (IN.)	CATALOG NUMBER X OUTLET SIZE X PLUG CODE	OUTLET SIZE	THREADED PLUG TYPE CODE	PUSH PLUG/PIN TYPE CODE	APPROX. WEIGHT (LBS.)
4	4.50	440-0450	x 4	T2	T12	48
	4.80	440-0480		T2	T12	
	5.20	440-0520		T2	T12	
	5.56	440-0556		T2	T12	
6	6.63	440-0663	x 4 x 6	T2	T12	92 114
	6.84 - 7.10	440-0690		T2	T12	
	7.05 - 7.25	440-0720		T2	T12	
	7.40 - 7.65	440-0745		T2	T12	
8	8.63	440-0863	x 6 x 8	T2	T12	120 172
	8.98 - 9.30	440-0905		T2	T12	
	9.27 - 9.50	440-0940		T2	T12	
	9.83 -10.25	440-1000		T2	T12	
10	10.64 - 10.86	440-1075	x 8 x 10	T2	T12	179 267
	11.03 - 11.40	440-1110		T2	T12	
	11.36 - 11.80	440-1140		T2	T12	
	11.85 - 12.15	440-1200		T2	T12	
12	12.62 - 12.85	440-1275	x 8 x 12	T2	T12	194 324
	13.12 - 13.50	440-1320		T2	T12	
	13.70 - 14.09	440-1392		T2	T12	
	14.10 - 14.35	440-1420		T2	T12	
14	14.59 - 15.08	440-1475	x 12	T2	T12	328
	15.23 - 15.80	440-1530		T2	T12	
	15.73 - 16.22	440-1600		T2	T12	
	16.30 - 16.73	440-1650		T2	T12	
16	16.74 - 17.26	440-1684	x 12	T2	T12	338
	17.33 - 17.87	440-1740		T2	T12	
	17.88 - 18.43	440-1800		T2	T12	
	18.62 - 19.19	440-1875		T2	T12	
18	18.87 - 19.45	440-1920	x 12	T2	T12	353
	19.41 - 20.01	440-1950		T2	T12	
	20.00 - 20.60	440-2000		T2	T12	
	20.29 - 20.94	440-2050		T2	T12	
	20.93 - 21.57	440-2130		T2	T12	
20	21.51 - 22.15	440-2160	x 12	T2	T12	363
	22.16 - 22.81	440-2254		T2	T12	
	22.78 - 23.45	440-2294		T2	T12	
	23.46 - 24.16	440-2400		T2	T12	
	24.15 - 24.85	440-2450		T2	T12	
	24.82 - 25.52	440-2502		T2	T12	

Other sleeve ranges and outlet sizes available upon request.

U.S. Patent No. 8176929



JCM 440 Type 3 - All Stainless Steel - Outlet Seal Gasket - Threaded Plug
JCM 440 Type 13 - All Stainless Steel - Outlet Seal Gasket - Push Plug/Pin

- Line Stop Plug:** Ductile Iron per ASTM A536
Plug O-Ring: Nitrile (NBR, Buna-N) Rubber - Gasket temperature range -40° to 180°F (-40°C to 82°C).
Blind Flange: 150#, ASTM A36 Carbon Steel, Epoxy Coated
Blind Flange Gasket: Styrene-Butadiene Rubber (SBR) - for use with water, salt solutions, mild acids and bases. Standard temperature range from -40° to 150°F (-40° to 65°C) constant, maximum intermittent 180°F (82°C).
Push Plug/Pins: Per ASTM F912
Outlet Gasket: Nitrile Butadiene Rubber (NBR, Buna-N) per ASTM D2000. Molded virgin rubber with a pressure activated hydromechanical design. Gasket is bonded into a cavity for internal and external retention. Gasket temperature range -40° to 180°F (-40° - 82°C). Gasket suitable for water, salt solutions, mild acids, bases, and sewage.
Body: Stainless Steel, 18-8 Type 304 per ASTM A240
Flange: ASME/ANSI 150 lb. Drilling, B16.1 Class 125 Compatible, Type 304 Stainless Steel, recess for tapping valve MSS-SP60
Bolts: Stainless Steel 18-8 Type 304 per applicable ASTM A193 B8, A194.

JCM 440 Type 3 - All Stainless Steel - Outlet Seal Gasket - Threaded Plug
JCM 440 Type 13 - All Stainless Steel - Outlet Seal Gasket - Push Plug/Pin

NOMINAL PIPE SIZE (IN.)	SLEEVE O.D. RANGE (IN.)	CATALOG NUMBER X OUTLET SIZE X PLUG CODE	OUTLET SIZE	THREADED PLUG TYPE CODE	PUSH PLUG/PIN TYPE CODE	APPROX. WEIGHT (LBS.)
4	4.50	440-0450	x 4	T3	T13	48
	4.80	440-0480		T3	T13	
	5.20	440-0520		T3	T13	
	5.56	440-0556		T3	T13	
6	6.63	440-0663	x 4 x 6	T3	T13	92 114
	6.84 - 7.10	440-0690		T3	T13	
	7.05 - 7.25	440-0720		T3	T13	
	7.40 - 7.65	440-0745		T3	T13	
8	8.63	440-0863	x 6 x 8	T3	T13	120 172
	8.98 - 9.30	440-0905		T3	T13	
	9.27 - 9.50	440-0940		T3	T13	
	9.83 -10.25	440-1000		T3	T13	
10	10.64 - 10.86	440-1075	x 8 x 10	T3	T13	179 267
	11.03 - 11.40	440-1110		T3	T13	
	11.36 - 11.80	440-1140		T3	T13	
	11.85 - 12.15	440-1200		T3	T13	
12	12.62 - 12.85	440-1275	x 8 x 12	T3	T13	194 324
	13.12 - 13.50	440-1320		T3	T13	
	13.70 - 14.09	440-1392		T3	T13	
	14.10 - 14.35	440-1420		T3	T13	
14	14.59 - 15.08	440-1475	x 12	T3	T13	328
	15.23 - 15.80	440-1530		T3	T13	
	15.73 - 16.22	440-1600		T3	T13	
	16.30 - 16.73	440-1650		T3	T13	
16	16.74 - 17.26	440-1684	x 12	T3	T13	338
	17.33 - 17.87	440-1740		T3	T13	
	17.88 - 18.43	440-1800		T3	T13	
	18.62 - 19.19	440-1875		T3	T13	
18	18.87 - 19.45	440-1920	x 12	T3	T13	353
	19.41 - 20.01	440-1950		T3	T13	
	20.00 - 20.60	440-2000		T3	T13	
	20.29 - 20.94	440-2050		T3	T13	
	20.93 - 21.57	440-2130		T3	T13	
20	21.51 - 22.15	440-2160	x 12	T3	T13	363
	22.16 - 22.81	440-2254		T3	T13	
	22.78 - 23.45	440-2294		T3	T13	
	23.46 - 24.16	440-2400		T3	T13	
	24.15 - 24.85	440-2450		T3	T13	
	24.82 - 25.52	440-2502		T3	T13	

Other sleeve ranges and outlet sizes available upon request.
U.S. Patent No. 8176929



JCM 440 Type 5 - Stainless Body - Carbon Steel Outlet - Outlet Seal Gasket - Threaded Plug
JCM 440 Type 15 - Stainless Body - Carbon Steel Outlet - Outlet Seal Gasket - Push Plug/Pin

- Line Stop Plug:** Ductile Iron per ASTM A536
Plug O-Ring: Nitrile (NBR, Buna-N) Rubber - Gasket temperature range -40° to 180°F (-40°C to 82°C).
Blind Flange: 150#, ASTM A36 Carbon Steel, Epoxy Coated
Blind Flange Gasket: Styrene-Butadiene Rubber (SBR) - for use with water, salt solutions, mild acids and bases. Standard temperature range from -40° to 150°F (-40° to 65°C) constant, maximum intermittent 180°F (82°C).
Push Plug/Pins: Per ASTM A912
Outlet Gasket: Nitrile Butadiene Rubber (NBR, Buna-N) per ASTM D2000. Molded virgin rubber with a pressure activated hydromechanical design. Gasket is bonded into a cavity for internal and external retention. Gasket temperature range -40° to 180°F (-40° - 82°C).
Body: Stainless Steel, 18-8 Type 304 per ASTM A240
Flange: ASME/ANSI 150 lb. Drilling, B16.1 Class 125 Compatible, Carbon Steel, recess for tapping valve MSS-SP60, shop coat for corrosion resistance. Optional: Fusion applied epoxy coating.
Bolts: Stainless Steel, 18-8 Type 304

JCM 440 Type 5 - Stainless Body - Carbon Steel Outlet - Outlet Seal Gasket - Threaded Plug
JCM 440 Type 15 - Stainless Body - Carbon Steel Outlet - Outlet Seal Gasket - Push Plug/Pin

NOMINAL PIPE SIZE (IN.)	SLEEVE O.D. RANGE (IN.)	CATALOG NUMBER X OUTLET SIZE X PLUG CODE	OUTLET SIZE	THREADED PLUG TYPE CODE	PUSH PLUG/PIN TYPE CODE	APPROX. WEIGHT (LBS.)
4	4.50	440-0450	x 4	T5	T15	48
	4.80	440-0480		T5	T15	
	5.20	440-0520		T5	T15	
	5.56	440-0556		T5	T15	
6	6.63	440-0663	x 4 x 6	T5	T15	92 114
	6.84 - 7.10	440-0690		T5	T15	
	7.05 - 7.25	440-0720		T5	T15	
	7.40 - 7.65	440-0745		T5	T15	
8	8.63	440-0863	x 6 x 8	T5	T15	120 172
	8.98 - 9.30	440-0905		T5	T15	
	9.27 - 9.50	440-0940		T5	T15	
	9.83 -10.25	440-1000		T5	T15	
10	10.64 - 10.86	440-1075	x 8 x 10	T5	T15	179 267
	11.03 - 11.40	440-1110		T5	T15	
	11.36 - 11.80	440-1140		T5	T15	
	11.85 - 12.15	440-1200		T5	T15	
12	12.62 - 12.85	440-1275	x 8 x 12	T5	T15	194 324
	13.12 - 13.50	440-1320		T5	T15	
	13.70 - 14.09	440-1392		T5	T15	
	14.10 - 14.35	440-1420		T5	T15	
14	14.59 - 15.08	440-1475	x 12	T5	T15	328
	15.23 - 15.80	440-1530		T5	T15	
	15.73 - 16.22	440-1600		T5	T15	
	16.30 - 16.73	440-1650		T5	T15	
16	16.74 - 17.26	440-1684	x 12	T5	T15	338
	17.33 - 17.87	440-1740		T5	T15	
	17.88 - 18.43	440-1800		T5	T15	
	18.62 - 19.19	440-1875		T5	T15	
18	18.87 - 19.45	440-1920	x 12	T5	T15	353
	19.41 - 20.01	440-1950		T5	T15	
	20.00 - 20.60	440-2000		T5	T15	
	20.29 - 20.94	440-2050		T5	T15	
	20.93 - 21.57	440-2130		T5	T15	
20	21.51 - 22.15	440-2160	x 12	T5	T15	363
	22.16 - 22.81	440-2254		T5	T15	
	22.78 - 23.45	440-2294		T5	T15	
	23.46 - 24.16	440-2400		T5	T15	
	24.15 - 24.85	440-2450		T5	T15	
	24.82 - 25.52	440-2502		T5	T15	
				T5	T15	

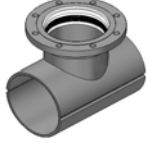
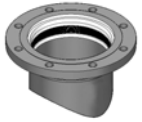
Other sleeve ranges and outlet sizes available upon request.
U.S. Patent No. 8176929

JCM Fabricated Weld On Line Stop Outlets

Carbon Steel and All Stainless Steel (304 & 316) Construction Available

Outlets, partial sleeves and full sleeves readily available for steel pipe 4" and larger. Size on size and reducing outlets to accommodate folding head or bag stop machinery available. Outlets and partial sleeves available for tank and bulkhead use.

JCM 440 Type 6 - Full Body- Threaded Plug
 JCM 440 Type 16 - Full Body - Push Plug/Pin
 JCM 440 Type 7 - Outlet Only - Threaded Plug
 JCM 440 Type 17 - Outlet Only - Push Plug/Pin

						
Nominal Pipe Size (IN.)	Catalog Number	Outlet Sizes	SLEEVE STYLE THREADED PLUG TYPE CODE	SLEEVE STYLE PUSH PLUG/ PIN TYPE CODE	SLEEVE STYLE THREADED PLUG TYPE CODE	SLEEVE STYLE PUSH PLUG/ PIN TYPE CODE
4	440-0450	x 4	T6	T16	T7	T17
6	440-0663	x 4 x 6	T6 T6	T16 T16	T7 T7	T17 T17
8	440-0863	x 6 x 8	T6 T6	T16 T16	T7 T7	T17 T17
10	440-1075	x 8 x 10	T6 T6	T16 T16	T7 T7	T17 T17
12	440-1275	x 8 x 12	T6 T6	T16 T16	T7 T7	T17 T17
14	440-1400	x 12	T6	T16	T7	T17
16	440-1600	x 12	T6	T16	T7	T17
18	440-1800	x 12	T6	T16	T7	T17
20	440-2000	x 12	T6	T16	T7	T17

How To Order:

1. Determine O.D. of pipe
2. Select proper catalog number
3. Select proper outlet size
4. Select proper sleeve style and outlet plug type code (threaded or push/pin)
5. Add Outlet Type Code (T6 or T16)

Example: For Steel Pipe with 6.63 O.D., full sleeve style, with threaded plug, order: 440-0663 T6

Fittings are fabricated to exact O.D. of pipe.

Larger sizes available.

Other designs offered; contact JCM Industries. U.S. Patent No. 8176929

