



JCM Industries, Inc.

**Fittings & Fabrications
for Repair - Connection - Branching
All Types and Sizes of Pipe**

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JCM STEEL COUPLINGS

Steel bolted couplings for joining two plain end pieces of pipe of the same outside diameter without welding or exact field cutting of pipe ends. A combination of the substantial middle ring and two follower flanges join together with the proper number of bolts to fully compress the gasket into the middle ring, creating the flexible, yet leak-proof seal.



Bolted couplings offer several advantages in a piping system:

- No beveling, costly threading, exact pipe alignment or fitting is required
- Make assembly/disassembly of pipe sections fast.
- Quick, simple to install, using only a wrench.
- Gaskets absorb vibration and pipe movement
- Permits limited expansion/contraction
- Curves can be laid with straight pieces of pipe
- Simple, rugged and serviceable,
- Available for most sizes of steel, PVC or cast iron pipe sizes
- Meets AWWA Standard C219 Bolted Sleeve-Type Couplings for Plain-End Pipe

Sizes 1/2" through 2"

Middle Ring: ASTM A36

Followers: Ductile Iron ASTM A536

Bolts: ASTM A242 low alloy with yellow dichromate seal. Optional 18-8 Type 304 Stainless Steel.

Sizes 2-1/2" through 12"

Middle Ring: ASTM A36

Followers: Ductile Iron ASTM A536

Bolts: Corrosion resistant high strength low alloy per AWWA C111, ANSI 21.11. Optional 18-8 Type 304 Stainless Steel.

Finish: 1/2" through 12" cathodic electrocoat epoxy, applied electrostatically to a minimum thickness of 12 μ m to provide a uniform protective finish across all surfaces, recesses and edges. Metal surfaces shall be cleaned, conditioned, coated and rinsed to provide a durable, safe coating without voids, gaps or exposed areas. ANSI/NSF 61 Certified.

Sizes 14" and larger

Middle Ring: ASTM A36

Followers: ASTM A36

Bolts: Corrosion resistant high strength low alloy per AWWA C111, ANSI 21.11. Optional 18-8 Type 304 Stainless Steel.

Finish: Heavy coat of corrosion resistant shop coat primer.
Optional Fusion Epoxy Coating available (AWWA C213).

Gaskets: Nitrile Butadiene Rubber (NBR, Buna-N) per ASTM D2000. Molded virgin rubber. Gasket temperature range -40°F to 212°F (-40°C - 100°C) Recommended for water, salt solutions, mild acids, bases, sewage and natural gas. Available Options: EPDM

Pressure Rating: Up to 150PSI. Contact JCM Industries for higher pressure rating requirements.

JCM 201 Steel Couplings for Steel Pipe Sizes

JCM 201 Steel Couplings provide an easy means of joining plain end pipe. These couplings are especially applicable for use on steel, galvanized, PVC and other pipe with standard steel dimensions.



201 STEEL COUPLINGS FOR STEEL PIPE SIZES

NOM PIPE SIZE (IN)	PIPE O.D. RANGE (IN)	SLEEVE LENGTH & THICKNESS	NO. OF BOLTS	CATALOG NUMBER	CARTON QUANTITY	APPR WT EACH (LBS)
1/2	.84	.157 x 3-1/2	2	201-008401	12	1
3/4	1.05	.157 x 5	2	201-010501	12	2
1	1.32	.157 x 5	2	201-013201	12	3-1/2
1-1/4	1.66	.138 x 5	2	201-016601	6	4
1-1/2	1.90	.157 x 5	2	201-019001	6	4-1/2
2	2.38	.157 x 5	2	201-023800	6	5
2	2.38	.157 x 5	3	201-023801	1	7
2-1/2	2.88	.197 x 5	3	201-028801	1	8
3	3.50	.157 x 5	4	201-035001	1	10
3	3.50	.157 x 7	4	201-035002	1	12
4	4.50	.157 x 5	4	201-045001	1	12
4	4.50	.157 x 7	4	201-045002	1	15
5	5.56	1/4 x 5	4	201-055601	1	16
6	6.63	1/4 x 5	6	201-066301	1	18
6	6.63	1/4 x 7	6	201-066302	1	22
8	8.63	1/4 x 5	6	201-086301	1	20
8	8.63	1/4 x 7	6	201-086302	1	26
10	10.75	1/4 x 5	8	201-107501	1	32
10	10.75	5/16 x 7	8	201-107507	1	46
12	12.75	1/4 x 5	8	201-127501	1	51
12	12.75	5/16 x 7	8	201-127507	1	62
14	14.00	3/8 x 7	8	201-140007	1	89
16	16.00	3/8 x 7	10	201-160007	1	95
18	18.00	3/8 x 7	10	201-180007	1	102
20	20.00	3/8 x 7	12	201-200007	1	115
22	22.00	3/8 x 7	14	201-220007	1	126
24	24.00	3/8 x 7	14	201-240007	1	132
28	28.00	3/8 x 7	15	201-280007	1	140
30	30.00	3/8 x 7	16	201-300007	1	158
36	36.00	1/2 x 10	18	201-360009	1	250
42	42.00	1/2 x 10	20	201-420009	1	315
48	48.00	1/2 x 10	22	201-480009	1	375

NOTE: Applications in which pipe may move out of the coupling, proper anchorage of the pipe must be provided.



JCM 201 Steel Couplings for Cast Iron Pipe Sizes - 14" AND LARGER

201 STEEL COUPLINGS FOR CAST IRON PIPE SIZES

NOM PIPE SIZE (IN)	PIPE O.D. RANGE (IN)	SLEEVE LENGTH & THICKNESS	NO. OF BOLTS	CATALOG NUMBER	APPR WT EA (LBS)
14	15.30	3/8 X 7	8	201-153007	85
14	15.65	3/8 X 7	8	201-156507	85
14	16.75	3/8 X 7	10	201-167507	89
16	17.40	3/8 X 7	10	201-174007	90
16	17.80	3/8 X 7	10	201-178007	90
16	18.88	3/8 X 7	10	201-188807	95
18	19.50	3/8 X 7	12	201-195007	113
18	19.92	3/8 X 7	12	201-199207	115
20	21.60	3/8 X 7	12	201-216007	126
20	22.06	3/8 X 7	14	201-220607	126
24	25.80	3/8 X 7	15	201-258007	141
24	26.32	3/8 X 7	15	201-263207	147
30	31.74	3/8 X 7	16	201-317407	200
30	32.00	1/2 X 10	16	201-320009	210
36	37.96	1/2 X 10	18	201-379609	273
36	38.30	1/2 X 10	18	201-383009	278
42	44.20	1/2 X 10	20	201-442009	338
42	44.50	1/2 X 10	20	201-445009	338
48	50.50	1/2 X 10	22	201-505009	375
48	50.80	1/2 X 10	22	201-508009	375



Other Sizes Available Upon Request

*For ductile iron sizes 2" through 12" See JCM 210 Ductile Iron Couplings

Note: Applications in which pipe may move out of the coupling, proper anchorage of the pipe must be provided.

JCM 202 Long Steel Couplings

JCM 202 Long Steel Couplings use the same basic sealing principle as the standard 201 Steel Couplings with a longer middle ring section for joining pipe with wider gaps between the pipe ends. Custom and larger sizes available upon request.

202 LONG STEEL COUPLINGS - STEEL PIPE SIZES

NOM PIPE SIZE (IN)	PIPE O.D. RANGE (IN)	SLEEVE LENGTH & THICKNESS	NO. OF BOLTS	CATALOG NUMBER	APPR WT EA (LBS)
2	2.375	.154 X 12	3	202-023811	15
2-1/2	2.875	.203 X 12	3	202-028811	20
3	3.500	.203 X 12	4	202-035011	23
4	4.500	.203 X 12	4	202-045011	28
6	6.625	1/4 X 16	6	202-066311	51
8	8.625	1/4 X 16	6	202-086311	54
10	10.750	1/4 X 16	8	202-107511	81
12	12.750	1/4 X 16	8	202-127511	119



Other sizes available upon request

Note: Applications in which pipe may move out of the coupling, correct anchorage of the pipe must be provided.



Certified to
NSF/ANSI CAN 61
& NSF/ANSI 372

JCM STEEL TRANSITION AND REDUCING COUPLINGS

JCM 203 Steel Transition Couplings

The JCM 203 Steel Transition Coupling provides a simple means of joining plain end pipe of the same nominal size but different outside diameter dimensions. The couplings are especially useful in joining old cast iron pipe to ductile iron pipe. Listed are the most common sizes. Other sizes are available upon request. Also see JCM 212 Ductile Iron Couplings.



203 STEEL TRANSITION COUPLINGS

NOM PIPE SIZE (IN)	FROM O.D. RANGE (IN)	TRANSITION TO O.D. RANGE (IN)	SLEEVE LENGTH (IN)	MIDDLE RING THICKNESS (IN)	CATALOG NUMBER	APPR WT EA (LBS)
14	15.65	15.30	7	3/8"	203-1565-1530	104
16	17.80	17.40	7	3/8"	203-1780-1740	117
18	19.92	19.50	7	3/8"	203-1992-1950	131
20	22.06	21.60	7	3/8"	203-2206-2160	148
24	26.32	25.80	7	3/8"	203-2632-2580	175

OTHER SIZES AVAILABLE UPON REQUEST

NOTE: Applications in which pipe may move out of the coupling, correct anchorage of the pipe must be provided.

JCM 204 Steel Reducing Couplings

The JCM 204 Steel Reducing Coupling is the simplest means of connecting any combination of two sizes or types of pipe. There is practically no limit to the pipe sizes that can be connected - either to reduce or increase in size. One common use is joining large steel pipe to ductile iron or C-900 PVC pipe. Listed are the most common sizes.



204 STEEL REDUCING COUPLINGS

NOM PIPE SIZE (IN)	FROM O.D. RANGE (IN)	REDUCE TO O.D. RANGE (IN)	CATALOG NUMBER	APPR WT EACH (LBS)
14	15.30	14.00	204-1530-1400	170
	15.65	14.00	204-1565-1400	170
16	17.40	16.00	204-1740-1600	195
	17.80	16.00	204-1780-1600	195
	18.88	17.40	204-1888-1740	205
18	19.50	18.00	204-1950-1800	215
	19.92	18.00	204-1992-1800	215
20	21.60	20.00	204-2160-2000	245
	22.06	20.00	204-2206-2000	245
24	25.80	24.00	204-2580-2400	290
	26.32	24.00	204-2632-2400	290

OTHER SIZES AVAILABLE UPON REQUEST

NOTE: Applications in which pipe may move out of the coupling, correct anchorage of the pipe must be provided.

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