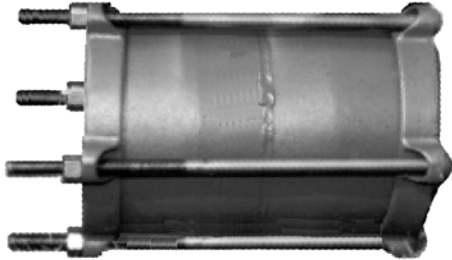




JCM Long Ductile Iron Couplings

JCM 215 Long Ductile Iron Couplings
JCM 216 Long Transition Ductile Iron Couplings

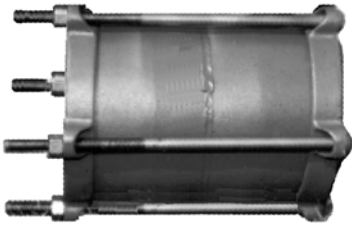


- **Extra Length** - Accommodates Wide Gaps Between Pipe Ends
- **Reduces Inventory** - Unique transition gaskets eliminate the need to stock transition couplings, color-coded end rings or loose parts.
- **Strong, Ductile Iron Components** - Ductile Iron ASTM A-536
- **Low Profile** - Low profile stance on the pipe allows for easy application of poly wraps and other corrosion protective materials.
- **Non-Compromising Design** - provides engineer tested and field proven service with the traditional, thick ductile casting and the maximum number of bolts available.

JCM Introduces the 215 Long Ductile Iron Coupling and the 216 Long Transition Ductile Iron Coupling. These couplings provide a wide range, accommodates wide gaps between pipe ends, reduces inventory and fits both Cast Iron & A/C Class 150 in the popular 4", 6" & 8" sizes.

The JCM 215 and 216 Long Ductile Iron Couplings are the newest addition to the versatile JCM Ductile Iron Coupling family. The JCM 215 utilizes the same transition gasket system as the standard 210 coupling. This interchangeable system reduces inventory requirements up to 65%. One coupling replaces two or more standard couplings. Unique transition gaskets change standard couplings into transition couplings, eliminating the need to stock transition couplings or color-coded end rings, gaskets and loose parts.

JCM 215 Long Ductile Iron Couplings



JCM Introduces the 215 Long Ductile Iron Coupling. This extra-long coupling provides a wide range, accommodates wide gaps between pipe ends, reduces inventory and fits both cast iron and A/C Class 150 pipe in the popular 4", 6" & 8" sizes. The JCM 215 utilizes the same JCM original transition gasket system. One coupling replaces two or more standard couplings. Unique transition gaskets change standard couplings into transition couplings, eliminating the need to stock transition couplings or color-coded end rings, gaskets and loose parts.

215 LONG DUCTILE IRON COUPLINGS

NOM. PIPE SIZE (IN.)	PIPE O.D. RANGE (IN.)	CATALOG NUMBER	FITS TYPE AND CLASS OF PIPE	NO. OF BOLTS	SLEEVE LENGTH	APPR. WT. EACH (LBS.)
2	2.34 - 2.63	215-0250	STEEL, PVC, CI	2	10	16
2-1/2	2.62 - 2.92	215-0288	CI, STEEL, PVC	2	10	18
3	3.50	215-0350	STANDARD IPS & SCHEDULE PIPE	3	12	30
3	3.80 - 4.17	215-0396	CI, DI, A/C 150	3	12	30
4	4.50	215-0450	STANDARD IPS & SCHEDULE PIPE	4	12	35
4	4.80 - 5.10	215-0480	CI, DI, A/C 150, C-900PVC	4	12	35
4	5.10 - 5.40	215-0535	A/C	4	12	39
6	6.63	215-0663	STANDARD IPS & SCHEDULE PIPE	5	12	42
6	6.90 - 7.20	215-0690	CI, DI, A/C 150, C-900 PVC	5	12	42
6	7.20 - 7.55	215-0740	A/C	5	12	54
8	8.63	215-0863	STANDARD IPS & SCHEDULE PIPE	6	12	65
8	9.05 - 9.40	215-0905	CI, DI, A/C 150, C-900 PVC	6	12	65
8	9.40 - 9.75	215-0960	A/C	6	12	71
10	10.75	215-1075	STANDARD IPS & SCHEDULE PIPE	7	12	79
10	11.10 - 11.40	215-1110	CI, DI, C-900 PVC	7	12	79
10	11.60 - 12.05	215-1200	A/C	7	12	87
12	12.75	215-1275	STANDARD IPS & SCHEDULE PIPE	8	12	111
12	13.20 - 13.50	215-1320	CI, DI, C-900 PVC	8	12	111
12	13.92 - 14.40	215-1420	A/C, STEEL	8	12	118

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

Material Specifications:

Sleeve and Flanges: Ductile Iron ASTM A536

Gaskets: Specially compounded new rubber polymer for superior shelf life and resistance to permanent set. Recommended for water, salt solutions, mild acids and bases.

Bolts: Corrosion resistant, high strength low alloy bolts and nuts (AWWA C-111, ANSI A21.11). Optional Stainless Steel, 18-8 Type 304.

Finish: Heavy coating of corrosion resistant metal primer. Optional Fusion applied Epoxy Coating available.

JCM 216 Long Ductile Iron Transition Couplings

The JCM 216 Ductile Iron Transition Coupling is part of a uniquely simple coupling system which provides an easy means of joining plain end pipe. These transition couplings join pipe of the same nominal size that have different outside diameter dimensions.

216 LONG DUCTILE IRON TRANSITION COUPLINGS

NOM. PIPE SIZE (IN.)	FROM O.D. RANGE (IN.)	TRANSITION TO O.D. RANGE (IN.)	CATALOG NUMBER	NO. OF BOLTS	COUPLING LENGTH	APPR. WT. EACH (LBS.)
3	3.80 - 4.17	3.50	216-0396-0350	3	12	30
4	4.50	4.00	216-0450-0400	4	12	36
4	4.50	4.22	216-0450-0422	4	12	36
4	4.80 - 5.10	4.00	216-0480-0400	4	12	36
4	4.80 - 5.10	4.22	216-0480-0422	4	12	36
4	4.80 - 5.10	4.50	216-0480-0450	4	12	35
4	5.10 - 5.40	4.50	216-0535-0450	4	12	39
4	5.10 - 5.40	4.80	216-0535-0480	4	12	39
6	6.63	6.00	216-0663-0600	5	12	43
6	6.63	6.30	216-0663-0630	5	12	43
6	6.90 - 7.20	6.00	216-0690-0600	5	12	43
6	6.90 - 7.20	6.30	216-0690-0630	5	12	43
6	6.90 - 7.20	6.63	216-0690-0663	5	12	42
6	7.20 - 7.55	6.63	216-0740-0663	5	12	54
6	7.20 - 7.55	6.90	216-0740-0690	5	12	54
8	8.63	8.00	216-0863-0800	6	12	66
8	8.63	8.40	216-0863-0840	6	12	66
8	9.05 - 9.40	8.00	216-0905-0800	6	12	66
8	9.05 - 9.40	8.40	216-0905-0840	6	12	65
8	9.05 - 9.40	8.63	216-0905-0863	6	12	65
8	9.40 - 9.75	8.63	216-0960-0863	6	12	71
8	9.40 - 9.75	9.05	216-0960-0905	6	12	71
10	10.75	10.50	216-1075-1050	7	12	81
10	11.10 - 11.40	10.50	216-1110-1050	7	12	81
10	11.10 - 11.40	10.75	216-1110-1075	7	12	80
10	11.60 - 12.05	10.75	216-1200-1075	7	12	87
10	11.60 - 12.05	11.10	216-1200-1110	7	12	87
12	12.75	12.50	216-1275-1250	8	12	112
12	13.20 - 13.50	12.50	216-1320-1250	8	12	112
12	13.20 - 13.50	12.75	216-1320-1275	8	12	111
12	13.92 - 14.40	12.75	216-1420-1275	8	12	118
12	13.92 - 14.40	13.20	216-1420-1320	8	12	118

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

JCM Transition Gaskets

For Models 215, 216 Long Ductile Iron Couplings

The uniquely simple JCM Wide Range Coupling and Flanged Coupling Adapter system utilizes self-centering, extra wide transition gaskets eliminating the need for stocking special transition couplings or color coded flanges and gaskets. Stock JCM Ductile Iron Coupling and JCM Flanged Coupling Adapters and change only gaskets to make a transition between A/C, Cast Iron, Ductile Iron, Steel and PVC pipe. Use the same size gasket on both ends to make a straight coupling.



GASKETS FOR STANDARD SIZE 210 DUCTILE IRON COUPLINGS

NOM. PIPE SIZE (IN.)	FITS COUPLING SLEEVE	GASKET O.D. RANGE (IN.)	FITS TYPES & CLASSES OF PIPE	GASKET NUMBER
2-1/4, 2-1/2	210-0288	2.62 - 2.92 2.38 - 2.50	CI, 2-1/2" PVC, STEEL 2" PVC, STEEL, CI	G212-0288 G212-0288-0238*
3	210-0396	3.80 - 4.17 3.50	CI, DI, A/C 150, C-900 PVC IPS PVC, STEEL	G212-0396 G212-0396-0350*
4	210-0480	4.74 - 5.10 4.50 4.22 4.00	CI, DI, A/C 150, C-900 PVC IPS PVC, STEEL, HDPE SDR 35 STEEL TUBING	G212-0480 G212-0480-0450 G212-0480-0422 G212-0480-0400
6	210-0690	6.84 - 7.26 6.63 6.30 6.00	CI, DI, A/C 150, C-900 PVC IPS PVC, STEEL, HDPE SDR 35 STEEL TUBING	G212-0690 G212-0690-0663 G212-0690-0630 G212-0690-0600
8	210-0905	8.99 - 9.42 8.63 8.40 8.00	CI, DI, A/C 150, C-900 PVC IPS PVC, STEEL, HDPE SDR 35 STEEL TUBING	G212-0905 G212-0905-0863 G212-0905-0840 G212-0905-0800
10	210-1110	11.04 - 11.40 10.75 10.50	CI, DI, C-900 PVC IPS PVC, STEEL, HDPE SDR 35	G212-1110 G212-1110-1075 G212-1110-1050
12	210-1320	13.14 - 13.50 12.75 12.50	CI, DI, C-900 PVC IPS PVC, STEEL, HDPE SDR 35	G212-1320 G212-1320-1275 G212-1320-1250
14	210-1565	15.20 - 15.40 15.56 - 15.75	CI, DI, C-905 PVC CI	G212-1530 G212-1565
16	210-1780	17.32 - 17.50 17.72 - 17.94	CI, DI, C-905 PVC CI	G212-1740 G212-1780

*This size gasket does not have extended lip.

GASKETS FOR OVERSIZED 210 DUCTILE IRON COUPLINGS

NOM. PIPE SIZE (IN.)	FITS COUPLING SLEEVE	GASKET O.D. RANGE	FITS TYPES & CLASSES OF PIPE	GASKET NUMBER
4	210-0535	5.06 - 5.40 4.80 - 5.10 4.50	A/C CI, DI, C-900 PVC IPS PVC, STEEL, HDPE	G212-0535 G212-0535-0480 G212-0535-0450
6	210-0740	7.17 - 7.55 6.90 - 7.10 6.63	A/C CI, DI, C-900 PVC IPS PVC, STEEL, HDPE	G212-0740 G212-0740-0690 G212-0740-0663
8	210-0960	9.32 - 9.75 9.05 - 9.30 8.63	A/C CI, DI, C-900 PVC IPS PVC, STEEL, HDPE	G212-0967 G212-0967-0905 G212-0967-0863
10	210-1200	11.60 - 12.05 11.10 - 11.30 10.75	A/C CI, DI, C-900 PVC IPS PVC, STEEL, HDPE	G212-1200 G212-1200-1110 G212-1200-1075
12	210-1420	13.92 - 14.40 13.20 - 13.50 12.75	A/C CI, DI, C-900 PVC IPS PVC, STEEL, HDPE	G212-1420 G212-1420-1320 G212-1420-1275

JCM Industries, Inc.
P. O. Box 1220, Nash, Texas 75569-1220
Call Toll Free: 800-527-8482 or 903-832-2581
Fax Toll Free: 800-874-9524 or 903-838-6260
www.jcmindustries.com

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JCM 215 and 216 Long Ductile Iron Coupling Typical Specification

JCM 215 and 216 Long Ductile Iron Coupling

Couplings for pipe sizes 2" - 12" shall be of ductile iron construction. Couplings shall be of the wide range type to fit Steel, Cast Iron, Ductile Iron, PVC, HDPE and Asbestos-Cement with only a change of gaskets. Couplings shall be approximately 10" in length on 2" - 2-1/2" pipe sizes, 12" in length on pipe sizes 3" - 12" size. Ductile Iron couplings shall be JCM 215, 216, or approved equal.

JCM 200 Series Ductile Iron Couplings are ANSI/NSF Standard 61 Certified.



JCM 215 and 216 Long Ductile Iron Couplings Material Specification

JCM 200 Series Ductile Iron Couplings - 215 and 216

SLEEVE AND FLANGES: Ductile Iron Per ASTM A-536

GASKETS: Specially compounded new rubber polymer for superior shelf life and resistance to permanent set. Recommended for use on water, salt solutions, mild acids and bases.

BOLTS: Corrosion resistant, high strength low alloy bolts and nuts per AWWA C-111, ANSI 21.11. Optional stainless steel 18-8 Type 304.

COATING: Corrosion resistant shop coat paint primer. Optional fusion applied epoxy coating per AWWA C-213.

JCM 200 Series Couplings are ANSI/NSF Standard 61 Certified.



JCM SBR Gasket Material Specifications

JCM SBR Gasket Material

Styrene Butadiene Rubber (SBR) has good physical properties. It has excellent abrasion resistance and is suitable for application with water, salt solutions, mild acids and bases. It has a maximum operating temperature rating of 180o F. The material is not recommended for use on oil, ozone or weather resistant applications.

The following is a list of JCM products that are furnished with SBR gaskets as standard material.

210, 211, 212 Ductile Iron Couplings
219 Restrained Ductile Iron Coupling
301, 306, 307 Flanged Coupling Adapters

JCM SBR Gasket Material used in JCM Fittings is ANSI/NSF Standard 61 Certified with the product in which it is supplied. JCM SBR Rubber meets ASTM D-2000 Standard.