

JCM Ductile Iron Couplings



IMPROVED

JCM OPTIMUM RANGE COUPLINGS

241 - 242

More Choice - Middle Ring Lengths 6" & 10"
More Versatility - Accommodates Larger Pipe Ranges
More Performance - Higher Working Pressures



JCM Optimum Range Couplings employ the mechanical compression joint principle to join two pieces of plain end pipe. This stress relieving flexible joint eliminates precise cutting and fitting in the field while providing for deflection, expansion-contraction, pipe settlement and a quick easy means of disassembling the system for maintenance.

JCM OPTIMUM RANGE DUCTILE IRON COUPLINGS OFFERS A NEW GASKET CONCEPT THAT DELIVERS SUPERIOR PERFORMANCE

- **Larger range capabilities for fitting oversized, exotic & coated pipe diameters.**
- **Rated for 250 PSI working pressure**
- **Internal ribbed design increases sealing capability and grip on both low and high ranges of nominal pipe sizes.**
- **JCM's unique design for "stress relief" built into the gasket - eliminates gasket pinch in applications requiring offset, deflected and pipe settlement.**

ONE COUPLING..

- ...replaces THREE or more standard couplings.
- ...does the job regardless of type or class, or if the pipe is over or undersized.
- ...fits All Cast Iron & Asbestos Cement Classes In 3" - 12"
- ...eliminates need for carrying two couplings or transition couplings.

MATERIAL SPECIFICATIONS

Flanges:	Ductile Iron Per ASTM A-536
Middle Ring:	Ductile Iron Per ASTM A-536
Gaskets:	Buna N - specially compounded new rubber polymer for superior shelf life and resistance to permanent set. Recommended for use on water, salt solutions, mild acids, bases and sewage.
Bolts:	Corrosion resistant, high strength low alloy bolts and nuts per AWWA C-111, ANSI 21.11. Optional stainless steel 18-8 Type 304, or Epoxy Coated.
Coating:	Corrosion resistant shop coat paint primer. Optional fusion applied epoxy coating per AWWA C-213.

JCM Couplings meet or exceed ANSI/AWWA C-219 Standard for Bolted Couplings as applicable.



JCM 241 Standard Length Optimum Range Ductile Iron Couplings

JCM 242 Long Length Optimum Range Ductile Iron Couplings



JCM “Optimum Range Coupling”

Full Range capability for pipe sizes 3” through 12”

16” Nominal Size - range 17.32 - 19.20 rated for 250 PSI

242 Long length middle ring allows for deeper pipe insertion and accommodates wide gaps between pipe ends

Reduces inventory - one coupling fits SDR35, IPS PVC, C-900 PVC, Ductile Iron, Steel, Cast Iron and A/C Pipe classes 100, 150 and 200

Non-compromising design with maximum number of bolts for uniform tightening provides the engineered test and field proven service and reliability of the JCM Ductile Iron Coupling family

NOM. PIPE SIZE (IN.)	PIPE O.D. RANGE (IN.)	CATALOG NUMBER	SLEEVE LENGTH	NO. OF BOLTS	PRICE EACH	(E) EPOXY COAT ADD TO LIST	(SS) STAINLESS STEEL 304 BOLTS ADD TO LIST	(EB) EPOXY BOLTS ADD TO LIST	APPROX. WT. EA. (LBS.)
3	3.45 - 4.20	241-0420	6	3	\$ 146.60	\$ 20.00	\$ 108.30	\$ 15.60	22
		242-0420	10	3	175.00	20.00	98.40	15.60	26
4	4.22 - 5.60	241-0550	6	4	175.30	26.60	144.10	18.10	30
		242-0550	10	4	224.60	26.60	131.20	18.10	35
6	6.28 - 7.60	241-0760	6	5	242.00	26.60	180.20	21.60	39
		242-0760	10	5	305.60	26.60	164.00	21.60	46
8	8.40 - 9.75	241-0960	6	6	285.30	26.60	212.10	26.50	47
		242-0960	10	6	348.90	26.60	196.90	26.50	55
10	10.50 - 12.12	241-1200	6	8	391.70	26.60	288.40	34.90	62
		242-1200	10	8	447.60	26.60	262.30	34.90	71
12	12.50 - 14.38	241-1430	6	8	481.20	26.60	288.40	34.90	71
		242-1430	10	8	608.30	26.60	262.30	34.90	84
14	15.05 - 16.93	242-1690	10	10	1,374.90	33.28	328.00	36.20	115
16	17.32 - 19.20	242-1920	10	11	1,434.60	37.90	362.00	39.70	118

To Order Optional Coating and Bolts - add codes (*) indicated below to base catalog number

Shopcoat Primer/Stainless Steel Hardware - (SS)

Shopcoat Primer/Epoxy Coated Hardware - (EB)

Epoxy Coating/Alloy Hardware - (E)

Epoxy Coat/Stainless Steel Hardware - (ES)

Epoxy Coat/Epoxy Coated Hardware - (EE)

