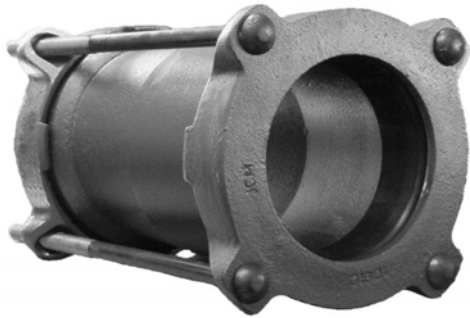


## JCM Ductile Iron Couplings



# 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.**
- **NEW 16" Nominal Size - 17.32 - 19.20 Rated for 250 PSI working pressure.**
- **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 FOR JCM DUCTILE IRON COUPLINGS:

**SLEEVE & 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 and 316, Epoxy Coated Bolts.

**FINISH:** Heavy coating of corrosion resistant shop coat primer. Optional Fusion Epoxy Coating available (AWWA C-213).

JCM Industries bolted couplings meet or exceed the ANSI/AWWA C-219 Standard as applicable.

# JCM 241 Standard Length Optimum Range Ductile Iron Couplings

## JCM 242 Long Length Optimum Range Ductile Iron Couplings



**NEW SIZE**  
**16" OPTIMUM RANGE COUPLING**

### JCM "Optimum Range Coupling"

**Full Range capability** for pipe sizes 3" through 12"

**New 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 (IN.)	NO. OF BOLTS	APPROX. WT. EA. (LBS.)
3	3.45 - 4.20	241-0420	6	3	22
		242-0420	10	3	26
4	4.22 - 5.60	241-0550	6	4	30
		242-0550	10	4	35
6	6.28 - 7.60	241-0760	6	5	39
		242-0760	10	5	46
8	8.40 - 9.75	241-0960	6	6	47
		242-0960	10	6	55
10	10.50 - 12.12	241-1200	6	8	62
		242-1200	10	8	71
12	12.50 - 14.38	241-1430	6	8	71
		242-1430	10	8	84
16	17.32 - 19.20	242-1920	10	11	118

#### MATERIAL SPECIFICATIONS - JCM 241, 242 OPTIMUM RANGE COUPLING

**FLANGES:** Ductile Iron Per ASTM A-536

**SLEEVE:** 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 316; E-Coated Bolt

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

JCM Industries bolted couplings meet or exceed the ANSI/AWWA C-219 Standard as applicable.

