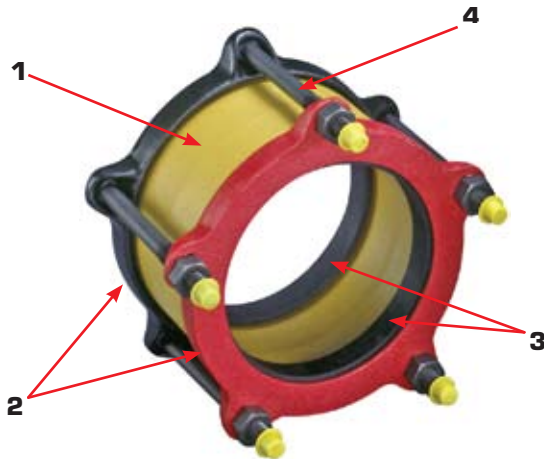


## Ductile Iron Pipe Couplings

### Ductile Iron Straight and Transition Couplings



Ductile Couplings offer an easy and economical way of joining pipe—whether the pipe is of the same nominal size and/or type or different at each coupling end.

Ductile Iron couplings will handle most of your waterworks coupling needs and are capable of connecting most classes of water pipe, including Class 200 Asbestos Cement. You may couple pipe with the same O.D.'s or with different O.D.'s using the guideline range listed in the product listing chart. End rings for Cast Iron or Ductile Iron O.D.'s are painted black. End rings for Asbestos Cement O.D.'s are painted yellow and end rings for Steel O.D.'s are painted red.

#### Specifications:

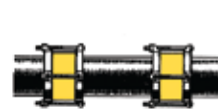
- Center Sleeve:** Made from ductile iron per ASTM A536, Grade 65-45-12.
- End Rings:** Ductile iron, meeting or exceeding ASTM A536, Grade 65-45-12. End rings on transition style couplings are color coded for easy identification.
- Gaskets:** Virgin SBR rubber compounded for water and sewer service. Meets or exceeds ASTM D2000 MBA 710 or ASTM D2000 90M 4AA 810. Gaskets are embossed with size for easy identification. Optional armored gaskets are available on some couplings.
- Bolts and Heavy Hex Nuts:** High strength, low alloy steel, trackhead bolts. UNC  $\frac{3}{8}$ " rolled threads with black finish. Steel meets AWWA C111 specifications. Other materials or special coatings available on request, including stainless steel bolts.
- Finish:** Shop coat paint. Nylon, epoxy and special coatings available upon request.

### Standard Range Couplings for Cast and Ductile Iron O.D.'s

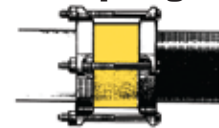
NOM. PIPE SIZE	O.D. RANGE	CENTER SLEEVE LENGTH	PRODUCT NUMBER
2"	2.34-2.63	4"	54510
4"	4.50-4.80	5"	55555
4"	4.74-5.10	5"	55564
6"	6.63-6.90	5"	56370
6"	6.86-7.20	5"	56384
8"	8.63	5"	57150
8"	8.63-9.05	5"	57169
8"	8.99-9.40	5"	57170
10"	10.75	6"	57859
10"	10.89-11.40	6"	57868
10"	11.10-11.46	6"	57860
12"	12.75	6"	58599
12"	13.15-13.55	6"	58600
14"	15.30-15.70	7"	58892
16"	17.05-17.40	7"	59028
16"	17.40-17.80	7"	59031
18"	19.10-19.70	7"	59202
20"	21.35-21.75	7"	59345
22"	23.45-23.85	7"	59385
24"	25.30-25.80	10"	59452

**ORDERING INFO:** All couplings will have a letter designator after the product number (F, R, RM), for example: 54510 F.

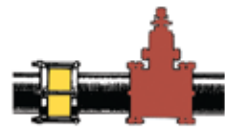
### Some Uses for Ductile Iron Couplings



To repair split pipe



To couple different types of pipe



To install [cut-in] hydrants & valves



To correct misaligned pipe

# Clamps, Couplings and Saddles J-10

## Ductile Iron Pipe Couplings

Ductile iron transition couplings provide a convenient method of joining two pipes of the same nominal size but with different O.D.'s. Gaskets and end rings are color coded for easy identification. End rings are color coded for various pipe sizes per the following chart. The gasket is identified with the exact O.D. range and end ring color with which it is to be used.

Generally, red signifies use on a Steel size PVC, black for use on Iron Pipe and Class 150 Asbestos Cement, and yellow for use on Class 200 Asbestos Cement.

Due to the varied O.D. ranges of transition couplings, please contact your local Team EJP sales representative for ordering information.

### Style 501 Coupling Guide

NOM. PIPE SIZE	GASKET RANGE	APPLICATION	END RING COLOR CODE	BY	GASKET RANGE	APPLICATION	END RING COLOR CODE	APPROX. WEIGHT LBS.
2"	2.38-2.55	Std. Stl, DI & PVC	Red	×	2.38-2.55	Std. Stl, DI & PVC	Red	9
3"	3.48-3.65	Std. Steel & PVC	Red	×	3.48-3.65	Std. Steel & PVC	Red	13
4"	3.80-4.05	O.D. Stl. & 3" DI	Red	×	3.80-4.05	O.D. Stl. & 3" DI	Red	16
	4.06-4.31	Riv. Steel			4.06-4.31	Riv. Steel		
	4.50-4.70	Std. Steel			4.50-4.70	Std. Steel		
	4.50-4.81	Std. Stl, DI & PVC			4.50-4.81	Std. Stl, DI & PVC		
	4.80-5.00	Cast Iron	4.80-5.00		Cast Iron	Black		
	4.74-5.10	C.I. & A/C M.E.	4.74-5.10		C.I. & A/C M.E.			
	5.11-5.30	A/C R.B.	5.11-5.30		A/C R.B.			
	5.11-5.40	A/C R.B. CL 200	5.11-5.40		A/C R.B. CL 200		Yellow	
6"	5.80-6.10	O.D. Steel	Red	×	5.80-6.10	O.D. Steel	Red	23
	6.05-6.30	Riv. Steel			6.05-6.30	Riv. Steel		
	6.55-6.76	Std. Steel & PVC			6.55-6.76	Std. Steel & PVC		
	6.60-6.91	Std. Stl, DI & PVC			6.60-6.91	Std. Stl, DI & PVC		
	6.90-7.10	Cast Iron & PVC	6.90-7.10		Cast Iron & PVC	Black		
	6.86-7.20	C.I. & A/C M.E.	6.86-7.20		C.I. & A/C M.E.			
	7.15-7.35	A/C R.B.	7.15-7.35		A/C R.B.			
	7.26-7.60	A/C R.B. CL 200	7.26-7.60		A/C R.B. CL 200		Yellow	
8"	7.80-8.10	O.D. Steel	Red	×	7.80-8.10	O.D. Steel	Red	31
	8.05-8.30	Riv. Steel			8.05-8.30	Riv. Steel		
	8.55-8.75	Std. Steel			8.55-8.75	Std. Steel		
	8.60-9.06	Std. Stl, DI & PVC			8.60-9.06	Std. Stl, DI & PVC		
	9.05-9.30	Cast Iron & PVC	9.05-9.30		Cast Iron & PVC	Black		
	8.99-9.40	C.I. & A/C M.E.	8.99-9.40		C.I. & A/C M.E.			
	9.31-9.50	A/C R.B.	9.31-9.50		A/C R.B.			
	9.39-9.79	A/C R.B. CL 200	9.39-9.79		A/C R.B. CL 200		Yellow	
10"	9.80-11.10A	O.D. Steel	Red	×	9.80-10.10A	O.D. Steel	Red	A - 49 AB-56 B - 55
	10.70-11.00A	Std. Steel & PVC	Black		10.70-11.00A	Std. Steel & PVC	Black	
	10.70-10.80B	Std. Steel & PVC			10.70-10.80B	Std. Steel & PVC		
	10.89-11.40B	Cast Iron & PVC	Yellow		10.89-11.40B	Cast Iron & PVC	Yellow	
	11.55-11.75B	A/C M.E.			11.55-11.75B	A/C M.E.		
	11.76-12.12B	A/C R.B.	Yellow		11.76-12.12B	A/C R.B.		

( Coupling chart is continued on page J-11)

## Style 501 Coupling Guide (Continued)

NOM. PIPE SIZE	GASKET RANGE	APPLICATION	END RING COLOR CODE	BY	GASKET RANGE	APPLICATION	END RING COLOR CODE	APPROX. WEIGHT LBS.
12"	11.81-12.10A	O.D. Steel	Red	×	11.81-12.10A	O.D. Steel	Red	A - 64 AB-72 B - 68
	12.24-12.50A	CI Soil & PVC Swr			12.24-12.50A	CI Soil & PVC Swr		
	12.24-12.50A	Std. Steel & PVC			12.24-12.50A	Std. Steel & PVC		
	12.70-12.80B	Std. Steel & PVC	Black		12.70-12.80B	Std. Steel & PVC	Black	
	13.15-13.55B	Cast Iron & PVC			13.15-13.55B	Cast Iron & PVC		
	13.85-14.10B	A/C M.E.	Yellow		13.85-14.10B	A/C M.E.	Yellow	
	14.03-14.40B	A/C R.B.			14.03-14.40B	A/C R.B.		
14"	14.00	(Please refer to 12")		×	14.00	(Please refer to 12")		92
	14.60-15.00	Cast Iron & PVC	Black		14.60-15.00	Cast Iron & PVC	Black	
	15.30-15.70	DI, CI & A/C R.B.			15.30-15.70	DI, CI & A/C R.B.		
	16.00-16.40	O.D. Steel	Red		16.00-16.40	O.D. Steel	Red	
	16.40-16.88	A/C M.E. & R.B.	Yellow		16.40-16.88	A/C M.E. & R.B.	Yellow	
16"	16.00	(Please refer to 14")		×	16.00	(Please refer to 14")		102
	17.05-17.40	DI, CI & PVC	Black		17.05-17.40	DI, CI & PVC	Black	
	17.40-17.80	DI & A/C R.B.			17.40-17.80	DI & A/C R.B.		
	18.00-18.40	O.D. Steel	Red		18.00-18.40	O.D. Steel	Red	
	18.45-18.97	A/C ME. & R.B.	Yellow		18.45-18.97	A/C ME. & R.B.	Yellow	
18"	18.70-19.10		Red	×	18.70-19.10		Red	123
	19.10-19.70		Black		19.10-19.70		Black	
	19.70-20.25		Yellow		19.70-20.25		Yellow	
20"	20.80-21.35		Red	×	20.80-21.35		Red	125
	21.35-21.75		Black		21.35-21.75		Black	
	21.75-22.25		Yellow		21.75-22.25		Yellow	
22"	22.95-23.35		Red	×	22.95-23.35		Red	146
	23.45-23.85		Black		23.45-23.85		Black	
	23.75-24.25		Yellow		23.75-24.25		Yellow	
24"	24.75-25.30		Red	×	24.75-25.30		Red	214
	25.30-25.80		Black		25.30-25.80		Black	
	26.10-26.32		Yellow		26.10-26.32		Yellow	

**ORDERING INFORMATION:** Determine O.D. of pipes to be coupled. Select proper gasket range for each pipe from the tables on J-10 & J-11. Choose the nominal pipe size of the coupling desired. Add the high range of each gasket needed to the nominal pipe size and order per example.

**EXAMPLE:** To couple 4" A/C rough barrel and 4" O.D. Steel. Order 4" Ductile Coupling (5.30-4.05).

**NOTES:**

- To accommodate the wide range of pipe sizes within 10" and 12" categories, it is necessary that the center rings be made in three sizes: A, AB and B.
- A wide range of Ductile Iron Reducing Couplings are available on request. Please contact your local Team EJP sales office for more information.



# Clamps, Couplings and Saddles J-12

## Ductile Iron Pipe Couplings

### Ductile Iron Couplings Style FC1

The FC1 Couplings are ideally suited for mainline pipe usage because the center ring I.D. tolerances are tighter to better control vibration and misalignment problems.

Both the FC1 and FC2A couplings are constructed entirely of ductile iron components for light and easy handling. Modern technology and materials have enabled manufacturers to reduce the number of bolts required without compromising pressure ratings up to 300 psi. Coupling components are also interchangeable for better, more cost-effective inventory management. However FC1 components are not interchangeable with FC2A components.

FC1 offers one gasket and end ring that fits all PVC and ductile iron pipe in the most popular sizes: 4", 6" and 8". Gasket ranges are embossed on each gasket for easy identification. End rings are color coded to match the color embossed on each gasket.



### Ductile Iron Transition Couplings Style FC2A

Ductile iron transition couplings provide a convenient method of joining two pipes of the same nominal size but with different O.D.'s. Gaskets and end rings are color coded for easy identification. End rings are color coded for various pipe sizes per the following chart. The gasket is identified with the exact O.D. range and end ring color with which it is to be used.

Generally, red signifies use on a steel and steel-size PVC pipe, black for use on iron and Class 150 Asbestos Cement pipe and white for use on Class 200 Asbestos Cement pipe.

Due to the varied O.D. ranges of transition couplings, please contact your local Team EJP sales office for assistance in ordering.



### Style FC1 and FC2A Coupling Guide

NOM. PIPE SIZE	CPLG. STYLE	GASKET RANGE	APPLICATION	END RING COLOR CODE	BY	GASKET RANGE	APPLICATION	END RING COLOR CODE	APPROX. WEIGHT LBS.
2"	FC2A	2.30-2.45	Std. Steel & PVC	Black	×	2.30-2.45	Std. Steel & PVC	Black	12
	FC1	2.34-2.63	Cast Iron	Black		2.34-2.63	Cast Iron	Black	6
	FC2A	2.40-2.65	Cast Iron	Black		2.40-2.65	Cast Iron	Black	12
2½"	FC2A	2.65-2.88	Std. Steel & PVC	Black	×	2.65-2.88	Std. Steel & PVC	Black	12
3"	FC2A	3.45-3.60	Std. Steel & PVC	Red	×	3.45-3.60	Std. Steel & PVC	Red	18
	FC2A	3.70-3.88	AC/M.E.	Black		3.70-3.88	AC/M.E.	Black	
	FC2A	3.91-4.06	DI & CI	Black		3.91-4.06	DI & CI	Black	
	FC2A	4.07-4.20	AC/R.B.	White		4.07-4.20	AC/R.B.	White	
4"	FC2A	4.00-4.00	O.D. Steel	Red	×	4.00-4.00	O.D. Steel	Red	FC114F-C2A16
	FC2A	4.50-4.50	Std. Steel & PVC	Red		4.50-4.50	Std. Steel & PVC	Red	
	FC1	4.50-4.80	Std. Stl & DI/PVC	Red		4.50-4.80	Std. Stl & DI/PVC	Red	
	FC1	4.80-5.10	DI, CI & AC/M.E.	Black		4.80-5.10	DI, CI & AC/M.E.	Black	
	FC2A	4.80-5.14	DI, CI & AC/M.E.	Black		4.80-5.14	DI, CI & AC/M.E.	Black	
	FC2A	5.15-5.57	AC/R.B.	White		5.15-5.57	AC/R.B.	White	

(Coupling Guide is continued on page J-13)

## Style FC1 and FC2A Coupling Guide (Continued)

NOM. PIPE SIZE	CPLG. STYLE	GASKET RANGE	APPLICATION	END RING COLOR CODE	BY	GASKET RANGE	APPLICATION	END RING COLOR CODE	APPROX. WEIGHT LBS.
6"	FC2A	6.00-6.00	O.D. Steel	Red	×	6.00-6.00	O.D. Steel	Red	FC120F-C2A24
	FC2A	6.63-6.63	Std. Steel & PVC	Red		6.63-6.63	Std. Steel & PVC	Red	
	FC1	6.63-6.90	Std. Stl & DI/PVC	Red		6.63-6.90	Std. Stl & DI/PVC	Red	
	FC1 & 2	6.90-7.20	DI, CI & AC/M.E.	Black		6.90-7.20	DI, CI & AC/M.E.	Black	
	FC2A	7.21-7.56	CI & AC/R.B.	White		7.21-7.56	CI & AC/R.B.	White	
8"	FC2A	8.00-8.00	O.D. Steel	Red	×	8.00-8.00	O.D. Steel	Red	FC128F-C2A34
	FC2A	8.63-8.63	Std. Steel & PVC	Red		8.63-8.63	Std. Steel & PVC	Red	
	FC1	8.63-9.05	Std. Stl & DI/PVC	Red		8.63-9.05	Std. Stl & DI/PVC	Red	
	FC1 & 2	9.05-9.40	DI, CI & AC/M.E.	Black		9.05-9.40	DI, CI & AC/M.E.	Black	
	FC2A	9.40-9.74	CI & AC/R.B.	White		9.40-9.74	CI & AC/R.B.	White	
10"	FC1	10.75-10.75	Std. Steel & PVC	Red	×	10.75-10.75	Std. Steel & PVC	Red	FC1 41.5 FC2A 48
	FC2A	11.10-11.40	DI & CI	Black		11.10-11.40	DI & CI	Black	
	FC1	11.10-11.46	DI & CI	Black		11.10-11.46	DI & CI	Black	
	FC2A	11.42-11.77	CI & AC/R.B.100	Black		11.42-11.77	CI & AC/R.B.100	Black	
	FC2A	11.77-12.12	AC/RB Class 200	White		11.77-12.12	AC/RB Class 200	White	
12"	FC1	12.75-12.75	Std. Steel & PVC	Red	×	12.75-12.75	Std. Steel & PVC	Red	FC1 54.5 FC2A 56
	FC2A	13.20-13.50	DI & CI	Black		13.20-13.50	DI & CI	Black	
	FC1	13.20-13.56	DI & CI	Black		13.20-13.56	DI & CI	Black	
	FC2A	13.69-14.04	CI & AC/R.B.100	White		13.69-14.04	CI & AC/R.B.100	White	
	FC2A	14.03-14.38	AC/RB Class 200	White		14.03-14.38	AC/RB Class 200	White	
14"	FC2A	15.30-15.70	DI & CI	Black	×	15.30-15.70	DI & CI	Black	83
	FC2A	16.00-16.35	Std. Steel & AC/ME	White		16.00-16.35	Std. Steel & AC/ME	White	
	FC2A	16.40-16.88	AC/R.B.	White		16.40-16.88	AC/R.B.	White	
16"	FC2A	17.40-17.80	DI & CI	Black	×	17.40-17.80	DI & CI	Black	103
	FC2A	18.45-18.97	AC/M.E. - AC/R.B.	White		18.45-18.97	AC/M.E. - AC/R.B.	White	
	FC2A	18.90-19.20	AC /R.B	White		18.90-19.20	AC MAX. R.B	White	
18"	FC2A	19.50-20.00	DI	Black	×	19.50-20.00	DI	Black	118
20"	FC2A	21.60-22.06	DI	Black	×	21.60-22.06	DI	Black	137
24"	FC2A	25.80-26.32	DI	Black	×	25.80-26.32	DI	Black	211

**ORDERING INFORMATION:** Determine O.D. of pipes to be coupled. Select proper gasket range for each pipe from the tables on J-12 & J-13. Choose the nominal pipe size of the coupling desired. Add the high range of each gasket needed to the nominal pipe size and order per example.

**EXAMPLE:** To couple 6" ductile iron and 6" standard steel, order 6" Ductile Coupling (6.90-6.63).

**OPTIONS AVAILABLE:**

- Standard coated coupling with Stainless Steel bolts and nuts
- Epoxy coated coupling with Stainless Steel bolts and nuts

**NOTE:** Ductile Iron Reducing Couplings are available on request. Please contact your local Team EJP sales office for more information.



## Ductile Iron Pipe Couplings

### Ductile Iron Extended Range Coupling For Multipurpose Use



#### Specifications:

- Center Rings:** Made from ductile iron per ASTM A536-80, Grade 65-45-12.
- End Rings:** Ductile iron, meeting or exceeding ASTM A536, Grade 65-45-12.
- Gaskets:** Virgin SBR rubber compounded for water and sewer service in accordance with ASTM D2000 MBA 810. Other compounds available for petroleum, chemical or high temperature service.
- Bolts and Heavy Hex Nuts:** High strength, low alloy steel, trackhead bolts. National course  $\frac{5}{8}$ " rolled thread and heavy hex nut. Steel meets AWWA C111 specifications. Stainless steel bolts available on request.
- Coatings:** Shop coat applied to cast parts for corrosion protection in transit.
- Options:** Fusion bonded epoxy, liquid epoxy and other coatings available on request. Stainless steel bolts and nuts available on request.
- Pressure:** When properly installed on a pipe that is within the correct outside diameter range, XR501 couplings can be used at working pressures up to 250 psi.

NOM. PIPE SIZE	SLEEVE LENGTH	O.D. RANGE	PRODUCT NUMBER
4"	7"	4.50-5.00	55573 RM
		4.50-5.60	55574 RM
6"	7"	6.60-7.20	56377 RM
		6.60-7.60	56377 1 RM
8"	7"	8.60-9.30	57130 RM
		8.60-9.75	57131 RM
10"	8"	10.50-11.41	57895 RM
		10.50-12.15	57896 RM
12"	8"	12.50-13.55	58640 RM
		12.50-14.41	58641 RM

NOM. PIPE SIZE	GASKET RANGE ONE END	BY	GASKET RANGE OTHER END	BY	CENTER RING LGTH.	WT. LBS.
4"	4.50-5.00*	×	4.50-5.00*	×	7"	27
	4.50-5.60		4.50-5.60			
6"	6.60-7.20*	×	6.60-7.20*	×	7"	34
	6.60-7.60		6.60-7.60			
8"	8.60-9.30*	×	8.60-9.30*	×	7"	50
	8.60-9.75		8.60-9.75			
10"	10.70-11.40	×	10.70-11.40	×	8"	68
	11.00-12.12		11.00-12.15			
12"	12.70-13.55	×	12.70-13.55	×	8"	82
	13.10-14.40		13.10-14.40			

\*Optional gasket for IPS through CI D cast iron pipe

#### Caution!

Flexible couplings do not provide protection against possible pullout of pipe ends in unrestrained condition.

#### Ordering information:

Determine O.D. of pipes to be coupled. Select proper gasket range for each pipe from above table. Insert high range of each gasket into catalog number as follows:

XR501 - One end × other end

EXAMPLE: XR501-7.20-7.60