

	PRODUCT IDENTIFICATION	APPLICATION	NOM. PIPE SIZE	PAGE No.
	UFA200-S	Flange Adapter for Steel Pipe	2"-12"	4
	UFA200-C	Flange Adapter for Ductile Pipe	2"-12"	4
	UFA400-S	High Pressure Flange Adapter for Steel Pipe	2"-42"	4
	UFA400-C	High Pressure Flange Adapter for Ductile Pipe	2"-48"	4
	UFA420-S	Extra Heavy Flange Adapter for Steel Pipe (Class F Flange)	2"-12"	5
	UFA420-C	Extra Heavy Flange Adapter for Ductile Pipe (Class F Flange)	2"-12"	5
	UFA900-S	Flange Adapter for IPS PVC Pipe	4"-8"	5
	UFA900-C	Flange Adapter for AWWA C900 PVC Pipe	4"-12"	5
	RFAP	Restrained Flange Adapter for C900, C909, SDR35, IPS PVC and Steel Pipe	3"-36"	6
	RFAD	Restrained Flange Adapter for Ductile Iron Pipe	3"-36"	7
	RCDD	Restrained Coupling for Ductile Iron Pipe	3"-12"	8
	RCDD	Restrained Coupling for Ductile Iron Pipe	14"-36"	8
	RCDP	Restrained Coupling for Joining Ductile Iron Pipe to C900, IPS PVC, Steel, C909, SDR35 Pipe or HDPE	3"-12"	8
	RCDP	Restrained Coupling for Joining Ductile Iron Pipe to C900 Pipe	14"-36"	8
	RCDP	Restrained Coupling for Joining Ductile Iron to Steel or Steel Sized Pipe	14"-24"	8
	RCPP	Restrained Coupling for C900, IPS PVC, Steel, C909, SDR35 Sewer or HDPE	3"-12"	9
	RCPP	Restrained Coupling for Steel Pipe by Steel or Steel Sized Pipe	14"-24"	9
	RCPP	Restrained Coupling for C900, IPS PVC, D909 and SDR35 Sewer Pipe by Steel or Steel Sized Pipe	14"-24"	9
	UFR1300-S	Restraint for IPS PVC Pipe and MJ Fittings or other DI Fittings	2"-12"	10
	UFR1300-C	Restraint for AWWA C900 PVC Pipe, Ductile Iron Pipe and MJ Fittings or other DI Fittings	4"-42" 4"-16"	10
	UFR1300-SA	Restraint for IPS PVC Pipe and MJ Fittings or other DI Fittings with Accessories	2"-12"	10
	UFR1300-CA	Restraint for AWWA C900 PVC Pipe, Ductile Iron Pipe and MJ Fittings or other DI Fittings with Accessories	4"-12"	10
	UFR1300-P	Restraint for Sewer Pipe Applications	4"-15"	10
	UFR1309-C	1309-C Restraint for C900 PVC, C909 PVC and C906 HDPE for Mechanical Joint / Push-on Fittings	4"-18"	10

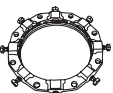


FORD / UNI-FLANGE PRODUCTS (CONTINUED)

	PRODUCT IDENTIFICATION	APPLICATION	NOM. PIPE SIZE	PAGE No.
	UFR1350-C	Bell Joint Restraint for AWWA C900 PVC Pipe (<i>new installations only</i>)	4"-24"	11
	UFR1350-S	Bell Joint Restraint for IPS PVC Pipe (<i>new installations only</i>)	2"-12"	11
	UFR1360-C	Restraint for PVC Pipe and PVC Pressure Fitting Joints w/ Ductile Iron Pipe O.D. (<i>new or existing installations</i>)	4"-36"	11
	UFR1360-S	Restraint for PVC Pipe and PVC Pressure Fitting Joints w/ IPS PVC Pipe O.D. (<i>new or existing installations</i>)	2"-12"	11
	UFR1369-C	Split Ring Restraint for C909 PVCO to PVC Pressure Fittings (<i>new or existing installations</i>)	4"-12"	11
	UFR1390-P	Bell Joint Restraint for Sewer Pipe Applications	4"-15"	11
	UFR1390-S	Bell Joint Restraint for IPS PVC Pipe (<i>new or existing installations</i>)	2"-12"	12
	UFR1390-C	Bell Joint Restraint for AWWA C900 PVC Pipe	4"-42"	12
	UFR1390-C	Bell Joint Restraint for Ductile Iron Pipe (<i>new or existing installations</i>)	4"-12"	12
	UFR1399-C	Split Restraint for C909 PVC Push-On Joints (<i>new or existing installations</i>)	4"-18"	12
	UFRCS1300-C	Casing Spacer for PVC Pipe Support and Casing Spacer for Ductile Iron Pipe Support	4"-24"	13
	UFRCS1300-P	Casing Spacer for Sewer Pipe Applications	4"-15"	13
	UFRCS1390-C	Restrained Casing Spacer for PVC Pipe Bell Support and Restrained Casing Spacer for Ductile Iron Pipe Bell Support	4"-24"	14
	UFRCS1390-P	Restrained Casing Spacer for Sewer Pipe Applications	4"-15"	14
	UFR1300-SAS	Mechanical Joint Repair Kit for IPS and PVC Pipe	4"-12"	15
	UFR1300-CAS	Mechanical Joint Repair Kit for Ductile Iron Pipe and PVC Pipe	4"-12"	15
	UFR1400-D	Wedge Action MJ Gland Joint Restraint for Ductile Iron Pipe	3"-48"	16
	UFR1400-DA	Wedge Action MJ Gland Joint Restraint for Ductile Iron Pipe with Accessories	3"-48"	16
	UFR1400-ZA	Wedge Action MJ Gland Joint Restraint for Ductile Iron Pipe Packaged with SO-EZ Gasket and Accessories	3"-12"	17
	UFR1405-DA	Split Wedge Action Restraint Gland for Ductile Iron MJ Fittings	3"-36"	17
	UFR1450-D	Wedge Action Restraint Harness for Ductile Iron Pipe Bells (<i>new installations only</i>)	3"-48"	18
	UFR1455-D	Wedge Action Restraint Gland with Split Back-Up Ring for Ductile Iron Pipe Bells	3"-36"	18



FORD / UNI-FLANGE PRODUCTS (CONTINUED)

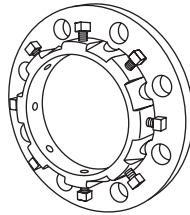
	PRODUCT IDENTIFICATION	APPLICATION	NOM. PIPE SIZE	PAGE No.
	UFR1490-D	Split Wedge Action Restraint Gland with Split Back Up Ring for Ductile Iron Pipe Bells	3"-36"	19
	UFR1495-D	Mid-Span Split Ductile Iron Restraint	3"-36"	19
	UFR2800-DA	Restrains for High Pressure Applications with Accessory Set for Ductile Iron Pipe	3"-36"	20
	UFR2850-D	Bell Joint Restrains for High Pressure Applications on Ductile Iron Pipe	3"-36"	21
	Uni-Ring	Mechanical Joint Ring Restraint for C900, Ductile Iron, C909 and HDPE	4"-12"	21
	UFR1500	MJ Restraint Gland for AWWA C900 PVC Pipe, IPS PVC Pipe and DR35 Sewer Pipe in 4"-12"	3"-36"	22
	UFR1500-CA	MJ Restraint Gland C900 PVC Pipe with Accessories	4"-48"	23
	UFR1500-SA	MJ Restraint Gland for ASTM D2241 IPS PVC with Accessories	3"-24"	23
	UFR1500-ZA	MJ Restraint Gland Joint Restraint for AWWA C900 PVC Pipe or IPS PVC Pipe with SO-EZ Gasket and Accessories	4"-12"	24
	UFR1559	Restraint Harness for C909 PVC Push-On Joints <i>(new installations only)</i>	4"-12" 16"	24
	MJAK	Mechanical Joint Accessory Kit	3"-48"	24

UNI-FLANGE
IMPORT

UNI-FLANGE ADAPTER FLANGES

SERIES 200 ADAPTER FLANGE FOR STEEL AND DUCTILE IRON PIPE FLANGE DRILLING ANSI B16.1 125 LB. / ANSI B16.5 150 LB.

WORKING PRESSURE - 2" - 8" 200 PSI / 10" - 12" 175 PSI

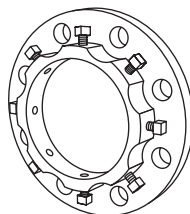


Uni-Flange adapters are
supplied with SBR gaskets.

NOM. PIPE SIZE	STEEL PIPE		DUCTILE IRON PIPE		APPROX. WEIGHT LBS.	W/ STANDARD SET SCREWS	SET SCREWS	SET SCREWS AND EPDM GASKET
	PIPE O.D. (INCHES)	CATALOG NUMBER	PIPE O.D. (INCHES)	CATALOG NUMBER			ADD "-UT"	ADD "-UT-EPDM"
2"	2.38	UFA200-S-2	2.50	UFA200-C-2	4.3	\$ 54.06	\$ 62.25	\$ 72.21
2-1/2"	2.88	UFA200-S-25	-	-	5.8	59.09	75.49	85.46
3"	3.50	UFA200-S-3	3.96	UFA200-C-3	6.5	66.92	83.32	99.25
4"	4.50	UFA200-S-4	4.80	UFA200-C-4	7.9	90.46	106.86	127.43
5"	5.56	UFA200-S-5	-	-	10.5	94.34	127.14	-
6"	6.63	UFA200-S-6	6.90	UFA200-C-6	11.3	97.44	130.24	171.72
8"	8.63	UFA200-S-8	9.05	UFA200-C-8	18.7	135.33	211.31	271.29
10"	10.75	UFA200-S-10	11.10	UFA200-C-10	27.5	243.09	357.05	418.72
12"	-	-	13.20	UFA200-C-12	31.0	283.53	397.47	469.82

SERIES 400 ADAPTER FLANGE FOR STEEL AND DUCTILE IRON PIPE FLANGE DRILLING ANSI B16.1 125 LB. / ANSI B16.5 150 LB.

WORKING PRESSURE - 2" - 12" 250 PSI / 14" - 24" 150 PSI / 30" - 48" 100 PSI



Uni-Flange adapters are
supplied with SBR gaskets.

							LIST PRICE	
							*OPTIONAL FEATURE CODES	
							W/ UNI-TORQUE SET SCREWS	W/ UNI-TORQUE SET SCREWS AND EPDM GASKET
							ADD "-UT"	ADD "-UT-EPDM"
NOM. PIPE SIZE	STEEL PIPE		DUCTILE IRON PIPE		APPROX. WEIGHT LBS.	W/ STANDARD SET SCREWS		
	PIPE O.D. (INCHES)	CATALOG NUMBER	PIPE O.D. (INCHES)	CATALOG NUMBER				
2"	2.38	UFA400-S-2	-	-	5.1	\$ 92.65	\$ 109.06	\$ 119.03
2-1/2"	2.88	UFA400-S-25	-	-	8.5	98.93	112.42	122.40
3"	3.50	UFA400-S-3	3.96	UFA400-C-3	8.9	98.93	115.33	131.24
4"	4.50	UFA400-S-4	4.80	UFA400-C-4	13.1	104.44	137.18	157.78
5"	5.56	UFA400-S-5	-	-	16.6	130.16	206.15	226.71
6"	6.63	UFA400-S-6	6.90	UFA400-C-6	17.1	131.63	207.64	249.15
8"	8.63	UFA400-S-8	9.05	UFA400-C-8	23.6	144.54	220.49	280.50
10"	10.75	UFA400-S-10	11.10	UFA400-C-10	33.5	295.32	409.28	470.94
12"	12.75	UFA400-S-12	13.20	UFA400-C-12	46.7	348.26	462.23	534.56
14"	14.00	UFA400-S-14	15.30	UFA400-C-14	60.1	644.64	758.61	-
16"	16.00	UFA400-S-16	17.40	UFA400-C-16	76.5	807.55	959.50	-
18"	18.00	UFA400-S-18	19.50	UFA400-C-18	86.8	913.09	-	-
20"	20.00	UFA400-S-20	21.60	UFA400-C-20	113.4	1103.97	-	-
24"	24.00	UFA400-S-24	25.80	UFA400-C-24	148.7	1488.99	-	-
30"	30.00	UFA400-S-30	32.00	UFA400-C-30	265.6	2552.84	-	-
36"	36.00	UFA400-S-36	38.30	UFA400-C-36	434.9	3751.32	-	-
42"	42.00	UFA400-S-42	44.50	UFA400-C-42	585.2	4679.14	-	-
48"	-	-	50.80	UFA400-C-48	660.0	6246.08	-	-

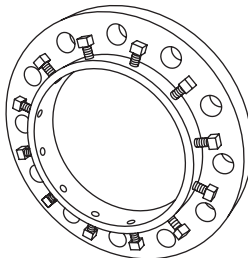
* Options: To order with Uni-Torque set screws add "-UT" to the catalog number. Example: UFA200-S-2-UT

To order with Uni-Torque set screws and EPDM gasket add "-UT-EPDM" to the catalog number.

Example: UFA200-S-2-UT-EPDM

**SERIES 420 EXTRA HEAVY ADAPTER FLANGE FOR STEEL
AND DUCTILE IRON PIPE**
FLANGE DRILLING ANSI B16.1 250 LB. / ANSI B16.5 300 LB.
WORKING PRESSURE - 2" - 12" 400 PSI

Uni-Flange adapters are
supplied with **SBR gaskets**.

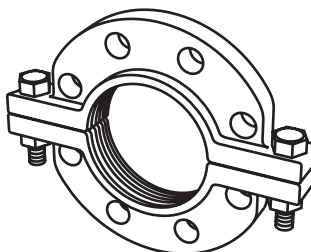


NOM. PIPE SIZE	STEEL PIPE		DUCTILE IRON PIPE		APPROX. WEIGHT LBS.	LIST PRICE	*w/ UNI-TORQUE SET SCREWS ADD "-UT"
	PIPE O.D. (INCHES)	CATALOG NUMBER	PIPE O.D. (INCHES)	CATALOG NUMBER			
2"	2.38	UFA420-S-2	2.50	UFA420-C-2	8.8	\$ 180.64	\$ 211.76
3"	3.50	UFA420-S-3	3.96	UFA420-C-3	11.5	213.60	244.66
4"	4.50	UFA420-S-4	4.80	UFA420-C-4	19.0	252.06	283.14
5"	5.56	UFA420-S-5	-	-	25.4	272.83	344.84
6"	6.63	UFA420-S-6	6.90	UFA420-C-6	32.5	305.33	413.34
8"	8.63	UFA420-S-8	9.05	UFA420-C-8	49.4	385.96	493.96
10"	10.75	UFA420-S-10	11.10	UFA420-C-10	69.7	691.35	835.37
12"	12.75	UFA420-S-12	13.20	UFA420-C-12	94.7	814.89	958.92

* **Caution:** Uni-Torque set screws should not be used on steel pipe thinner than Schedule 40 or ductile iron pipe thinner than Class 52.

SERIES 900 ADAPTER FLANGE FOR PVC PIPE
FLANGE DRILLING ANSI B16.1 125 LB. / ANSI B16.5 150 LB.

Uni-Flange Series 900 adapters are
furnished with **EPDM gaskets**.

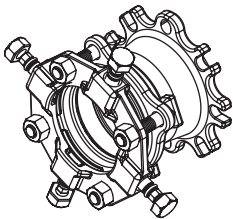


NOM. PIPE SIZE	PVC PIPE WITH STEEL PIPE O.D.		PVC PIPE WITH DUCTILE IRON PIPE O.D.		APPROX. WEIGHT LBS.	LIST PRICE
	PIPE O.D. (INCHES)	CATALOG NUMBER	PIPE O.D. (INCHES)	CATALOG NUMBER		
4"	4.50	UFA900-S-4	4.80	UFA900-C-4	11.5	\$ 132.33
6"	6.63	UFA900-S-6	6.90	UFA900-C-6	16.9	167.69
8"	8.63	UFA900-S-8	9.05	UFA900-C-8	26.4	233.43
10"	-	-	11.10	UFA900-C-10	34.0	350.32
12"	-	-	13.20	UFA900-C-12	57.0	454.52

Note: Not to be used on metal pipe. Flanges are designed for PVC pipe only.

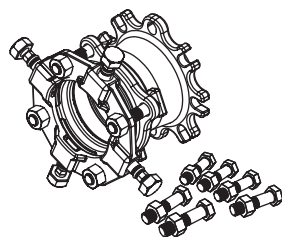
RESTRAINED FLANGE - ADAPTER STYLE RFAP FOR CONVERTING PLAIN END PVC PIPE TO A FLANGE CONNECTION

RFAP FOR C900, C909, SDR35, IPS PVC OR IPS STEEL PIPE

UNI-FLANGE
IMPORT

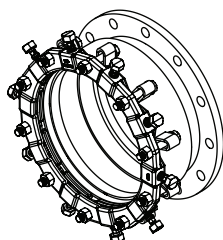
NOM. PIPE SIZE	PIPE O.D. RANGE (INCHES)	CATALOG NUMBER	NO OF RESTRAINT SEGMENTS	T-BOLT SIZE	T-BOLT QUANTITY	APPROX. WEIGHT LBS.	LIST PRICE
3"	3.50	RFAP-3-I	2	5/8" x 3"	4	21.1	\$ 196.94
4"	4.21-4.80	RFAP-4-I	4	3/4" x 4"	4	34.3	216.11
6"	6.27-6.90	RFAP-6-I	6	3/4" x 4"	6	37.4	322.39
8"	8.40-9.05	RFAP-8-I	6	3/4" x 4-1/2"	6	56.9	501.22
10"	10.50-11.10	RFAP-10-I	8	3/4" x 4-1/2"	8	67.6	738.93
12"	12.50-13.20	RFAP-12-I	8	3/4" x 4-1/2"	8	83.1	903.80

RFAP WITH FLANGE BOLTS FOR C900, C909, SDR35, IPS PVC OR IPS STEEL PIPE



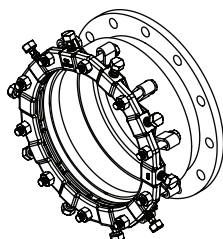
NOM. PIPE SIZE	PIPE O.D. RANGE (INCHES)	CATALOG NUMBER	NO OF RESTRAINT SEGMENTS	T-BOLT SIZE	T-BOLT QTY.	FLANGE BOLT QTY.	FLANGE BOLT SIZE	APPROX. WEIGHT LBS.	LIST PRICE
3"	3.50	RFAP-3A-I	2	5/8" x 3"	4	4	5/8" x 2-1/2"	22.1	\$ 217.61
4"	4.21-4.80	RFAP-4A-I	4	3/4" x 4"	4	8	5/8" x 2-1/2"	27.5	236.75
6"	6.27-6.90	RFAP-6A-I	6	3/4" x 4"	6	8	3/4" x 2-3/4"	38.4	365.68
8"	8.40-9.05	RFAP-8A-I	6	3/4" x 4-1/2"	6	8	3/4" x 2-3/4"	56.3	544.50
10"	10.50-11.10	RFAP-10A-I	8	3/4" x 4-1/2"	8	12	7/8" x 3"	79.4	811.60
12"	12.50-13.20	RFAP-12A-I	8	3/4" x 4-1/2"	8	12	7/8" x 3-1/2"	95.8	981.57

RFAP FOR C900 PVC PIPE



NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
14"	15.30	RFAP-1530-D14R-I	155.9	\$ 1935.87
16"	17.40	RFAP-1740-D16R-I	208.0	2273.63
18"	19.50	RFAP-1950-D18R-I	220.0	2689.10
20"	21.60	RFAP-2160-D20R-I	260.4	3011.49
24"	25.80	RFAP-2580-D24R-I	348.3	3872.45
30"	32.00	RFAP-3200-D30R-I	543.6	5808.30
36"	38.30	RFAP-3830-D36R-I	654.9	P.O.A.

RFAP FOR STEEL, STEEL SIZED PVC OR STEEL SIZED HDPE PIPE

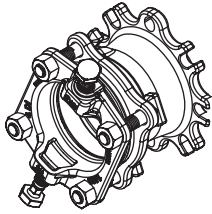


NOM. PIPE SIZE (IN.)	PIPE O.D. (IN.)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
14**	14.00	RFAP-1400ST-D14R-I	140	\$ 2376.50
16	16.00	RFAP-1600S-D16R-I	205	2763.20
18	18.00	RFAP-1800S-D18R-I	220	3218.75
20	20.00	RFAP-2000S-D20R-I	255	3751.80
24	24.00	RFAP-2400S-D24R-I	312	4540.50

**14" for steel pipe only

RESTRAINED FLANGE ADAPTER-STYLE RFAD FOR CONVERTING PLAIN END DUCTILE IRON PIPE TO A FLANGE CONNECTION

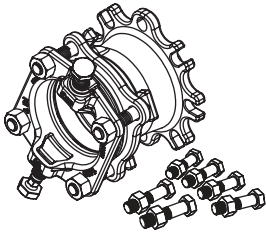
RFAD FOR DUCTILE IRON PIPE



NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	NO OF RESTRAINT WEDGES	T-BOLT SIZE	T-BOLT QUANTITY	APPROX. WEIGHT LBS.	LIST PRICE
3"	3.96	RFAD-3-I	2	5/8" x 3"	4	17.1	\$ 184.74
4"	4.80	RFAD-4-I	2	3/4" x 4"	4	23.5	204.28
6"	6.90	RFAD-6-I	3	3/4" x 4"	6	32.0	305.33
8"	9.05	RFAD-8-I	4	3/4" x 4-1/2"	6	45.8	479.62
10"	11.10	RFAD-10-I	6	3/4" x 4-1/2"	8	62.5	660.16
12"	13.20	RFAD-12-I	6	3/4" x 4-1/2"	8	85.8	877.66

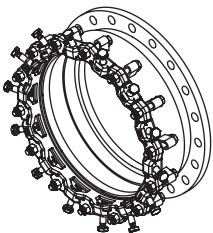
**UNI-FLANGE
IMPORT**

RFAD WITH FLANGE BOLTS FOR DUCTILE IRON PIPE



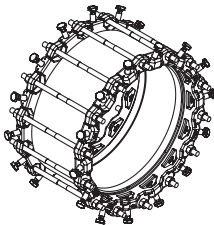
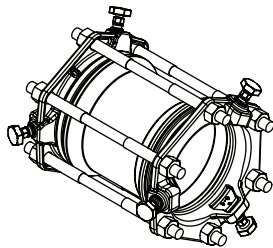
NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	NO OF RESTRAINT WEDGES	T-BOLT SIZE	T-BOLT QTY.	FLANGE BOLT QTY.	FLANGE BOLT SIZE	APPROX. WEIGHT LBS.	LIST PRICE
3"	3.96	RFAD-3A-I	2	5/8" x 3"	4	4	5/8" x 2-1/2"	17.1	\$ 205.42
4"	4.80	RFAD-4A-I	2	3/4" x 4"	4	8	5/8" x 2-1/2"	23.4	224.90
6"	6.90	RFAD-6A-I	3	3/4" x 4"	6	8	3/4" x 2-3/4"	32.0	348.57
8"	9.05	RFAD-8A-I	4	3/4" x 4-1/2"	6	8	3/4" x 2-3/4"	51.2	522.89
10"	11.10	RFAD-10A-I	6	3/4" x 4-1/2"	8	12	7/8" x 3"	75.9	732.81
12"	13.20	RFAD-12A-I	6	3/4" x 4-1/2"	8	12	7/8" x 3-1/2"	98.6	937.87

RFAD FOR DUCTILE IRON PIPE

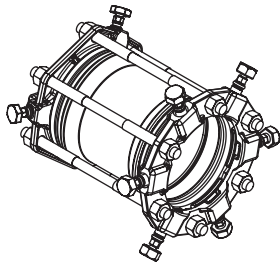


NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	APPROX. WT. LBS.	LIST PRICE
14"	15.30	RFAD-1530-D14R-I	146.6	\$ 1788.76
16"	17.40	RFAD-1740-D16R-I	208.0	2155.44
18"	19.50	RFAD-1950-D18R-I	214.1	2427.67
20"	21.60	RFAD-2160-D20R-I	260.4	2802.05
24"	25.80	RFAD-2580-D24R-I	309.3	3614.14
30"	32.00	RFAD-3200-D30R-I	543.6	5378.19
36"	38.30	RFAD-3830-D36R-I	-	P.O.A.

Note: Reducing adapters available. Contact factory for details.

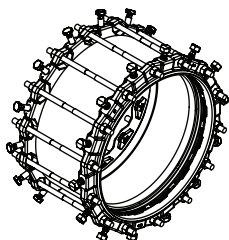
RESTRAINED COUPLING STYLES RCDD, RCDP, OR RCPP**RCDD
FOR DUCTILE IRON PIPE**

NOM. PIPE SIZE	CATALOG NUMBER	PIPE O.D. (INCHES)	RODS		APPROX. WT. LBS.	LIST PRICE
			QTY.	SIZE		
3"	RCDD-3-I	3.96	4	5/8" x 14"	34.9	\$ 245.28
4"	RCDD-4-I	4.80	4	3/4" x 14"	30.7	248.17
6"	RCDD-6-I	6.90	6	3/4" x 14"	47.8	342.94
8"	RCDD-8-I	9.05	6	3/4" x 14"	59.9	456.51
10"	RCDD-10-I	11.10	8	3/4" x 14"	81.9	604.81
12"	RCDD-12-I	13.20	8	3/4" x 14"	99.3	692.43
14"	RCDD-14-I	15.30	10	3/4" x 17"	179.7	1730.45
16"	RCDD-16-I	17.40	12	3/4" x 17"	204.5	2118.58
18"	RCDD-18-I	19.50	12	3/4" x 17"	260.6	2849.81
20"	RCDD-20-I	21.60	14	3/4" x 17"	268.6	3118.75
24"	RCDD-24-I	25.80	16	3/4" x 17"	328.5	4122.34
30"	RCDD-30-I	32.00	20	1" x 20"	576.5	5764.88
36"	RCDD-36-I	38.30	24	1" x 20"	658.9	9437.58

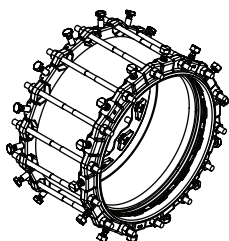
UNI-FLANGE
IMPORT**RCDP FOR JOINING DUCTILE IRON PIPE
TO C900, IPS PVC, STEEL, C909, *SDR35 PIPE OR HDPE**

NOM. PIPE SIZE	CATALOG NUMBER	DUCTILE IRON PIPE O.D. (INCHES)	PVC, STEEL, OR DR35 PIPE (INCHES)	RODS		APPROX. WT. LBS.	LIST PRICE
				QTY.	SIZE		
3"	RCDP-3-I	3.96	3.50	4	5/8" x 14"	34.9	\$ 253.69
4"	RCDP-4-I	4.80	4.21-4.80	4	3/4" x 14"	26.6	256.37
6"	RCDP-6-I	6.90	6.27-6.90	6	3/4" x 14"	42.4	349.60
8"	RCDP-8-I	9.05	8.40-9.05	6	3/4" x 14"	54.7	459.57
10"	RCDP-10-I	11.10	10.50-11.10	8	3/4" x 14"	77.1	609.37
12"	RCDP-12-I	13.20	12.50-13.20	8	3/4" x 14"	96.5	696.84

* SDR35 sewer applications require NBR (Buna-N) gasket, add "-N" to end of catalog number.

RCDP FOR JOINING DUCTILE IRON PIPE TO C900 PIPE

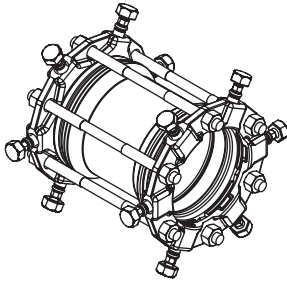
NOM. PIPE SIZE	CATALOG NUMBER	DUCTILE IRON PIPE O.D. (INCHES)	RODS		APPROX. WT. LBS.	LIST PRICE
			QTY.	SIZE		
14"	RCDP-14-I	15.30	10	3/4" x 17"	184.1	\$ 1828.66
16"	RCDP-16-I	17.40	12	3/4" x 17"	217.2	2243.43
18"	RCDP-18-I	19.50	12	3/4" x 17"	278.9	2954.78
20"	RCDP-20-I	21.60	14	3/4" x 17"	290.0	3240.89
24"	RCDP-24-I	25.80	16	3/4" x 17"	367.5	4226.68
30"	RCDP-30-I	32.00	20	1" x 20"	601.5	5996.98
36"	RCDP-36-I	38.30	24	1" x 20"	605.0	9705.50

**RCDP FOR JOINING DUCTILE IRON PIPE TO STEEL, STEEL SIZED PVC
OR STEEL SIZED HDPE PIPE**

NOM. PIPE SIZE (IN.)	CATALOG NUMBER	DUCTILE IRON PIPE O.D. (IN.)	STEEL/STEEL SIZED PIPE OD (IN.)	RODS		APPROX. WT. LBS.	LIST PRICE
				QTY.	SIZE (IN.)		
14**	RCDP-1530-1400ST-R-I	15.30	14.00	10	3/4 X 17	190	\$ 2086.10
16	RCDP-1740-1600S-R-I	17.40	16.00	12	3/4 X 17	215	2333.70
18	RCDP-1950-1800S-R-I	19.50	18.00	12	3/4 X 17	255	2774.75
20	RCDP-2160-2000S-R-I	21.60	20.00	14	3/4 X 17	290	3025.00
24	RCDP-2580-2400S-R-I	25.80	24.00	16	3/4 X 17	372	4390.10

**14" for steel pipe only

RCPP FOR C900, IPS PVC, STEEL, C909, *SDR35 SEWER OR HDPE

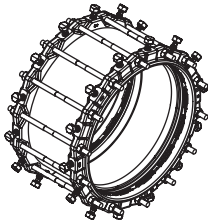


NOM. PIPE SIZE	CATALOG NUMBER	PIPE O.D. RANGE (INCHES)	RODS		APPROX. WT. LBS.	LIST PRICE
			QTY.	SIZE		
3"	RCPP-3-I	3.50	4	5/8" x 14"	38.9	\$ 258.87
4"	RCPP-4-I	4.21-4.80	4	3/4" x 14"	38.9	264.51
6"	RCPP-6-I	6.27-6.90	6	3/4" x 14"	58.6	356.24
8"	RCPP-8-I	8.40-9.05	6	3/4" x 14"	70.2	462.64
10"	RCPP-10-I	10.50-11.10	8	3/4" x 14"	91.4	613.88
12"	RCPP-12-I	12.50-13.20	8	3/4" x 14"	104.8	701.29

* SDR35 sewer applications require NBR (Buna-N) gasket, add "-N" to end of catalog number.

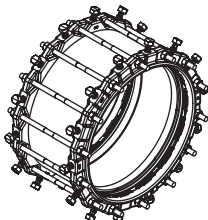
**UNI-FLANGE
IMPORT**

RCPP FOR C900 PVC PIPE



NOM. PIPE SIZE	CATALOG NUMBER	PIPE O.D. (INCHES)	RODS		APPROX. WT. LBS.	LIST PRICE
			QTY.	SIZE		
14"	RCPP-14-I	15.30	10	3/4" x 17"	188.6	\$ 1926.88
16"	RCPP-16-I	17.40	12	3/4" x 17"	229.9	2368.31
18"	RCPP-18-I	19.50	12	3/4" x 17"	260.6	3059.75
20"	RCPP-20-I	21.60	14	3/4" x 17"	310.7	3363.03
24"	RCPP-24-I	25.80	16	3/4" x 17"	352.7	4331.01
30"	RCPP-30-I	32.00	20	1" x 20"	517.7	6229.58
36"	RCPP-36-I	38.30	24	1" x 20"	545.0	9973.16

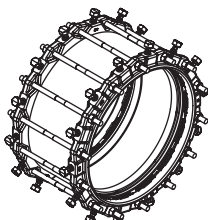
RCPP FOR STEEL, STEEL SIZED PVC OR STEEL SIZED HDPE PIPE BY STEEL, STEEL SIZED PVC OR STEEL SIZED HDPE PIPE



NOM. PIPE SIZE (IN.)	CATALOG NUMBER	PIPE O.D. (IN.)	RODS		APPROX. WT. LBS.	LIST PRICE
			QTY.	SIZE		
14**	RCPP-1400ST-1400ST-R-I	14.00	10	3/4 x 17	190	\$ 2383.87
16	RCPP-1600S-1600S-R-I	16.00	12	3/4 x 17	240	2762.38
18	RCPP-1800S-1800S-R-I	18.00	12	3/4 x 17	280	3522.37
20	RCPP-2000S-2000S-R-I	20.00	14	3/4 x 17	320	3484.91
24	RCPP-2400S-2400S-R-I	24.00	16	3/4 x 17	424	5913.05

**14" for steel pipe only

RCPP FOR C900, IPS PVC, C909 OR *SDR35 SEWER PIPE BY STEEL, STEEL SIZED PVC OR STEEL SIZED HDPE PIPE



NOM. PIPE SIZE (IN.)	CATALOG NUMBER	PIPE O.D. (IN.)	RODS		APPROX. WT. LBS.	LIST PRICE
			QTY.	SIZE		
14**	RCPP-1530-1400ST-R-I	14.00	10	3/4 x 17	190	\$ 2213.57
16	RCPP-1740-1600S-R-I	16.00	12	3/4 x 17	240	2255.06
18	RCPP-1950-1800S-R-I	18.00	12	3/4 x 17	280	3015.05
20	RCPP-2160-2000S-R-I	20.00	14	3/4 x 17	320	2919.29
24	RCPP-2580-2400S-R-I	24.00	16	3/4 x 17	424	5244.69

* SDR35 sewer applications require NBR (Buna-N) gasket, add "-N" to end of catalog number.

**14" for steel pipe only

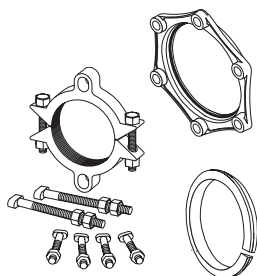
Note: Reducing adapters available. Contact factory for details.

UNI-FLANGE RESTRAINTS**SERIES 1300 RESTRAINTS FOR PVC AND DUCTILE IRON PIPE**

NOM. PIPE SIZE	PVC PIPE WITH STEEL PIPE O.D.				PVC PIPE WITH DUCTILE IRON PIPE O.D.			
	PIPE O.D. (INCHES)	CATALOG NUMBER	PALLET QTY.	LIST PRICE	PIPE O.D. (INCHES)	CATALOG NUMBER	PALLET QTY.	LIST PRICE
2"	2.38	UFR1300-S-2-I	32	\$ 49.30	—	—	—	—
2-1/2"	2.88	UFR1300-S-25-I	32	55.53	—	—	—	—
3"	3.50	UFR1300-S-3-I	32	59.96	—	—	—	—
4"	4.50	UFR1300-S-4-I	32	63.62	4.80	UFR1300-C-4-I	32	\$ 59.61
6"	6.63	UFR1300-S-6-I	32	77.94	6.90	UFR1300-C-6-I	32	73.20
8"	8.63	UFR1300-S-8-I	32	104.44	9.05	UFR1300-C-8-I	32	121.98
10"	10.75	UFR1300-S-10-I	32	218.44	11.10	UFR1300-C-10-I	32	204.96
12"	12.75	UFR1300-S-12-I	32	233.53	13.20	UFR1300-C-12-I	32	219.23
14"	14.00	—	—	—	15.30	UFR1300-C-14-I	9	398.77
16"	16.00	—	—	—	17.40	UFR1300-C-16-I	9	437.45
18"	18.00	—	—	—	19.50	UFR1300-C-18-I	7	524.90
20"	20.00	—	—	—	21.60	UFR1300-C-20-I	7	723.92
24"	24.00	—	—	—	25.80	UFR1300-C-24-I	7	890.22
30"	30.00	—	—	—	32.00	UFR1300-C-30-I	4	1974.21
36"	36.00	—	—	—	38.30	UFR1300-C-36-I	4	2369.47
42"	42.00	—	—	—	44.50	UFR1300-C-42-I	4	5653.53

Note: 2" through 12" sizes are shipped individually packaged and shrink-wrapped. 14" through 42" items are non-returnable and may be subject to a cancellation fee.

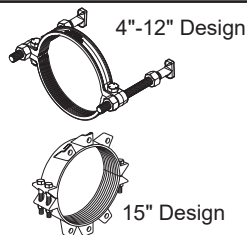
Series 1300-C restraints are also recommended for use on ductile iron pipe in 4" through 16" sizes. See catalog for installation and pressure capabilities.

SERIES 1300 RESTRAINTS PACKAGED WITH ACCESSORIES

NOM. PIPE SIZE	PVC PIPE WITH DUCTILE IRON PIPE O.D.				PVC PIPE WITH STEEL PIPE O.D.			
	PIPE O.D. (INCHES)	CATALOG NUMBER	PALLET QTY.	LIST PRICE	PIPE O.D. (INCHES)	CATALOG NUMBER	PALLET QTY.	LIST PRICE
2"	—	—	—	—	2.38	UFR1300-SA-2-I	32	\$ 69.77
3"	—	—	—	—	3.50	UFR1300-SA-3-I	32	78.04
4"	4.80	UFR1300-CA-4-I	32	\$ 91.67	4.50	UFR1300-SA-4-I	32	93.78
6"	6.90	UFR1300-CA-6-I	32	117.83	6.63	UFR1300-SA-6-I	32	119.88
8"	9.05	UFR1300-CA-8-I	32	172.21	8.63	UFR1300-SA-8-I	32	150.58
10"	11.10	UFR1300-CA-10-I	32	276.05	10.75	UFR1300-SA-10-I	32	280.95
12"	13.20	UFR1300-CA-12-I	32	294.54	12.75	UFR1300-SA-12-I	32	298.00

* For sizes 14"-48", contact factory

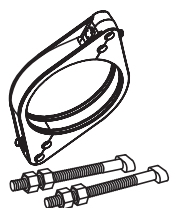
* For sizes 14"-24", contact factory

SERIES 1300-P RESTRAINTS FOR SEWER PIPE

NOM. PIPE SIZE	SEWER PIPE		RESTRAINT BOLTS / RODS		CLAMPING BOLTS		APPROX. Wt. Lbs.	LIST PRICE
	O.D. (INCHES)	CATALOG NUMBER	No.	SIZE	No.	SIZE		
4"	4.22	UFR1300-P-4-I	2	3/4"x7"	2	5/8"x2-1/4"	6.7	\$ 61.19
6"	6.28	UFR1300-P-6-I	2	3/4"x7"	2	5/8"x2-1/4"	6.7	75.49
8"	8.40	UFR1300-P-8-I	2	3/4"x7"	2	5/8"x2-1/4"	7.2	113.42
10"	10.50	UFR1300-P-10-I	2	3/4"x7"	2	5/8"x2-1/4"	9.5	187.59
12"	12.50	UFR1300-P-12-I	2	3/4"x7"	2	5/8"x2-1/4"	11.2	201.12
15"	15.30	UFR1300-P-15-I	4	3/4"x17"	4	7/8"x7"	59.9	411.20

SERIES 1309-C RESTRAINT DEVICE FOR C900 PVC, C909 PVC AND C906 HDPE FOR MECHANICAL JOINT/PUSH-ON FITTINGS

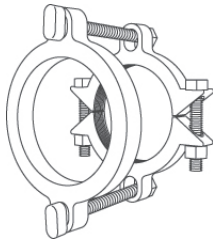
(U.S. PATENT NO. 10,837,584)



NOM. PIPE SIZE	PVC PIPE WITH DUCTILE IRON PIPE O.D.		RESTRAINING BOLTS		CLAMPING BOLTS		BC MIN.	BC MAX.	APPROX. Wt. Lbs.	LIST PRICE
	O.D. (INCHES)	CATALOG NUMBER	No.	SIZE	No.	SIZE				
4"	4.80	UFR1309-C-4-I	2	3/4"x9"	2	5/8"x2-1/2"	7.50"	7.50"	10.00	\$ 71.29
6"	6.90	UFR1309-C-6-I	2	3/4"x9"	2	5/8"x2-1/2"	9.50"	9.50"	11.22	95.44
8"	9.05	UFR1309-C-8-I	2	3/4"x9"	2	5/8"x3"	11.75"	14.85"	17.62	138.90
10"	11.10	UFR1309-C-10-I	4	3/4"x9"	2	5/8"x3"	14.00"	15.00"	29.46	224.26
12"	13.20	UFR1309-C-12-I	4	3/4"x9"	2	5/8"x3"	16.25"	17.50"	34.70	264.23
14"	15.30	UFR1309-C-14-I	6	3/4"x17"	4	7/8"x5"	18.44"	20.44"	85.64	669.83
16"	17.40	UFR1309-C-16-I	6	3/4"x17"	4	7/8"x5"	20.50"	22.50"	91.20	860.87
18"	19.50	UFR1309-C-18-I	8	3/4"x17"	4	7/8"x5"	22.63"	24.63"	101.62	1018.65

SERIES 1350 RESTRAINTS FOR C900 PVC PIPE

FOR RESTRAINING BELL JOINTS OF PVC PIPE (new installations only)



NOM. PIPE SIZE	PVC PIPE WITH STEEL PIPE O.D.				PVC PIPE WITH DUCTILE IRON PIPE O.D.			
	PIPE O.D. (INCHES)	CATALOG NUMBER	PALLET QTY.	LIST PRICE	PIPE O.D. (INCHES)	CATALOG NUMBER	PALLET QTY.	LIST PRICE
2"	2.38	UFR1350-S-2-I	32	\$ 71.41	-	-	-	-
3"	3.50	UFR1350-S-3-I	32	78.67	-	-	-	-
4"	4.50	UFR1350-S-4-I	32	82.47	4.80	UFR1350-C-4-I	32	\$ 74.79
6"	6.63	UFR1350-S-6-I	40	98.77	6.90	UFR1350-C-6-I	40	106.16
8"	8.63	UFR1350-S-8-I	40	181.60	9.05	UFR1350-C-8-I	40	172.04
10"	10.75	UFR1350-S-10-I	40	315.64	11.10	UFR1350-C-10-I	40	299.96
12"	12.75	UFR1350-S-12-I	40	345.14	13.20	UFR1350-C-12-I	40	328.13
14"	-	-	-	-	15.30	UFR1350-C-14-I	-	727.10
16"	-	-	-	-	17.40	UFR1350-C-16-I	-	820.63
18"	-	-	-	-	19.50	UFR1350-C-18-I	-	1009.75
20"	-	-	-	-	21.60	UFR1350-C-20-I	-	1389.43
24"	-	-	-	-	25.80	UFR1350-C-24-I	-	1619.40
30"	-	-	-	-	32.00	UFR1350-C-30-I	-	P.O.A.
36"	-	-	-	-	38.30	UFR1350-C-36-I	-	P.O.A.

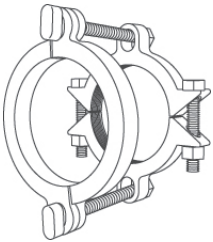
Note: 14" through 24" items are non-returnable and may be subject to a cancellation fee.

Series 1350 is **not** recommended for use on AWWA C900 DR 14 PVC pipe, 4" through 12" sizes. Use Series 1390 for AWWA C900 DR 14 PVC pipe.

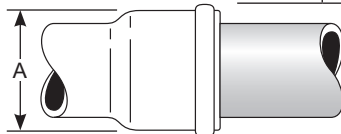
 UNI-FLANGE
IMPORT

SERIES 1360 RESTRAINTS FOR PVC PIPE

FOR RESTRAINING PVC PIPE TO C907 PVC PRESSURE FITTING JOINTS



NOM. PIPE SIZE	PVC PIPE WITH STEEL PIPE O.D.				PVC PIPE WITH DUCTILE IRON PIPE O.D.			
	PIPE O.D. (INCHES)	CATALOG NUMBER	PALLET QTY.	LIST PRICE	PIPE O.D. (INCHES)	CATALOG NUMBER	PALLET QTY.	LIST PRICE
2"	2.38	UFR1360-S-2-I	20	\$ 74.65	-	-	-	-
2-1/2"	2.88	UFR1360-S-25-I	20	82.92	-	-	-	-
3"	3.50	UFR1360-S-3-I	20	85.07	-	-	-	-
4"	4.50	UFR1360-S-4-I	32	100.41	4.80	UFR1360-C-4-I	32	\$ 94.09
6"	6.63	▲UFR1360-S-6-I	40	134.59	6.90	UFR1360-C-6-I	40	126.17
8"	8.63	▲UFR1360-S-8-I	40	219.55	9.05	UFR1360-C-8-I	40	206.00
10"	10.75	* UFR1360-S-10-xxxx-I	20	623.37	11.10	UFR1360-C-10-I	20	338.80
12"	12.75	* UFR1360-S-12-xxxx-I	20	804.90	13.20	UFR1360-C-12-I	20	395.61
14"	-	-	-	-	15.30	*UFR1360-C-14-xxxx-I	-	967.24
16"	-	-	-	-	17.40	*UFR1360-C-16-xxxx-I	-	1109.44
18"	-	-	-	-	19.50	*UFR1360-C-18-xxxx-I	-	1209.84
20"	-	-	-	-	21.60	*UFR1360-C-20-xxxx-I	-	1724.99
24"	-	-	-	-	25.80	*UFR1360-C-24-xxxx-I	-	2161.03
30"	-	-	-	-	32.00	*UFR1360-C-30-xxxx-I	-	3829.79
36"	-	-	-	-	38.30	*UFR1360-C-36-xxxx-I	-	4595.77



A = Bell Run O.D.

* The bell run outside diameter must be provided. See drawing at left.

Note: Split back-up rings for series 1360 restraints are specially built to the specific dimension of the PVC fitting bell.

8" x 6" and 8" x 4" IPEX tees require larger back-up rings to fit the branch. Add "-MODT" to the catalog number. Example: UFR1360-C-4-MODT-I

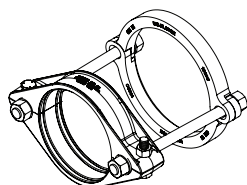
14" through 36" items are non-returnable and may be subject to a cancellation fee.

▲ These units will not fit on IPEX 90° ells.

SERIES 1369 RESTRAINTS FOR C909 PIPE

FOR RESTRAINING PVCO PIPE TO C907 PRESSURE FITTING JOINTS

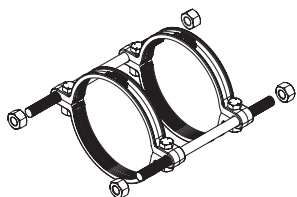
(U.S. PATENT NO. 10,837,584)



NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	CONNECTION RODS NUMBER AND SIZE	APPROX. WT. LBS.	LIST PRICE
4"	4.80	UFR1369-C-4-I	(2) 3/4" x 12"	14.70	\$ 124.47
6"	6.90	UFR1369-C-6-I	(2) 3/4" x 12"	18.60	132.44
8"	9.05	UFR1369-C-8-I	(2) 3/4" x 12"	31.04	218.30
10"	11.10	UFR1369-C-10-I	(4) 3/4" x 24"	42.90	439.17
12"	13.20	UFR1369-C-12-I	(4) 3/4" x 24"	51.24	525.37

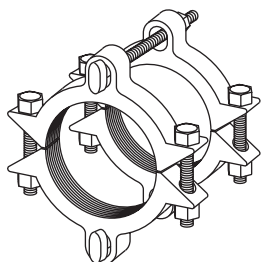
SERIES 1390 RESTRAINTS FOR RESTRAINING BELL JOINTS

SERIES 1390-P RESTRAINTS FOR SEWER PIPE

UNI-FLANGE
IMPORT

NOM. PIPE SIZE	SEWER PIPE STYLE 1300-P		RESTRAINT BOLTS / RODS		CLAMPING BOLTS		APPROX. WT. LBS.	LIST PRICE
	PIPE O.D. (INCHES)	CATALOG NUMBER	No.	SIZE	No.	SIZE		
4"	4.22	UFR1390-P-4-I	2	3/4"x17"	4	5/8"x2-1/4"	10.7	\$ 99.22
6"	6.28	UFR1390-P-6-I	2	3/4"x17"	4	5/8"x2-1/4"	11.7	130.37
8"	8.40	UFR1390-P-8-I	2	3/4"x17"	4	5/8"x2-1/4"	15.5	187.05
10"	10.50	UFR1390-P-10-I	2	3/4"x17"	4	5/8"x2-1/4"	18.0	288.55
12"	12.50	UFR1390-P-12-I	2	3/4"x17"	4	5/8"x2-1/4"	21.3	316.87
15"	15.30	UFR1390-P-15-I	4	3/4"x30"	4	7/8" x 5"	95.4	738.45

SERIES 1390 RESTRAINTS FOR PVC AND DUCTILE IRON PIPE FOR RESTRAINING BELL JOINTS OF PVC PIPE OR DUCTILE IRON PIPE



NOM. PIPE SIZE	PVC PIPE WITH STEEL PIPE O.D.				PVC PIPE WITH DUCTILE IRON PIPE O.D.			
	PIPE O.D. (INCHES)	CATALOG NUMBER	PALLET QTY.	LIST PRICE	PIPE O.D. (INCHES)	CATALOG NUMBER	PALLET QTY.	LIST PRICE
2"	2.38	UFR1390-S-2-I	20	\$ 77.94	-	-	-	-
2-1/2"	2.88	UFR1390-S-25-I	20	80.54	-	-	-	-
3"	3.50	UFR1390-S-3-I	20	84.23	-	-	-	-
4"	4.50	UFR1390-S-4-I	32	89.34	4.80	UFR1390-C-4-I	32	\$ 87.08
6"	6.63	UFR1390-S-6-I	40	105.90	6.90	UFR1390-C-6-I	40	111.32
8"	8.63	UFR1390-S-8-I	40	193.44	9.05	UFR1390-C-8-I	40	171.57
10"	10.75	UFR1390-S-10-I	40	336.13	11.10	UFR1390-C-10-I	40	298.17
12"	12.75	UFR1390-S-12-I	40	367.75	13.20	UFR1390-C-12-I	40	326.35
14"	-	-	-	-	15.30	UFR1390-C-14-I	9	729.55
16"	-	-	-	-	17.40	UFR1390-C-16-I	9	822.59
18"	-	-	-	-	19.50	UFR1390-C-18-I	7	1018.47
20"	-	-	-	-	21.60	UFR1390-C-20-I	7	1438.42
24"	-	-	-	-	25.80	UFR1390-C-24-I	7	1682.76
30"	-	-	-	-	32.00	UFR1390-C-30-I	2	3310.57
36"	-	-	-	-	38.30	UFR1390-C-36-I	2	4104.94
42"	-	-	-	-	44.50	UFR1390-C-42-I	2	9407.47

Note: Series 1390-C restraints are also recommended for use on ductile iron pipe in 4" through 16" sizes. See catalog for installation and pressure capabilities.

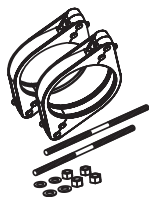
2" through 12" sizes are shipped individually packaged with hardware and shrink-wrapped.

14" through 42" items are non-returnable and may be subject to a cancellation fee.

1390's can be used with FC1 (2" through 12") if rods are positioned to avoid coupling bolts. Not compatible with all FC2A's.

SERIES 1399 RESTRAINT

SPLIT RESTRAINT FOR C909 PVC PUSH-ON JOINTS (for new or existing installations)
(U.S. PATENT NO. 10,837,584)

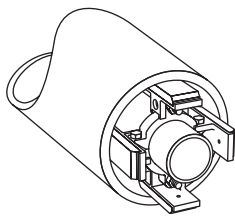


NOM. PIPE SIZE	PIPE O.D. (INCHES)	PRESSURE RATING (PSI)	CATALOG NUMBER	No. OF RODS	ROD LENGTH	ROD DIA.	*MAX BELL DIA.	APPROX. WT. LBS.	LIST PRICE
4"	4.80	235	UFR1399-C-4-I	2	17"	3/4"	6.63"	17.70	\$ 141.56
6"	6.90	235	UFR1399-C-6-I	2	17"	3/4"	8.63"	20.50	190.94
8"	9.05	235	UFR1399-C-8-I	2	17"	3/4"	14.00"	33.40	265.50
10"	11.10	235	UFR1399-C-10-I	4	24"	3/4"	14.13"	61.14	401.78
12"	13.20	235	UFR1399-C-12-I	4	24"	3/4"	16.63"	72.5	512.69
14"	15.30	235	UFR1399-C-14-I	6	30"	3/4"	19.56"	164.44	1386.82
16"	17.40	235	UFR1399-C-16-I	6	30"	3/4"	21.62"	175.52	1636.24
18"	19.50	235	UFR1399-C-18-I	8	30"	3/4"	23.75"	194.12	1917.98

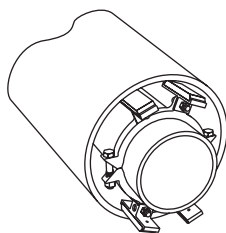
* **Note:** Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement. These diameters do not include joint deflection. Confirm pipe bell diameter before ordering.

SERIES 1300 CASING SPACER FOR PVC AND DUCTILE IRON PIPE* SUPPORT

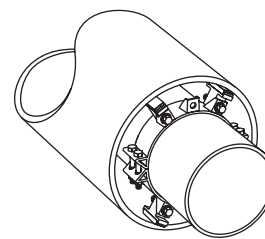
RECOMMENDED EVERY 10 FEET ALONG CARRIER PIPE INSIDE CASING



4", 6" and 8"
Casing Spacer for support of pipe



10" and 12"
Casing Spacer for support of pipe



14" through 24"
Casing Spacer for support of pipe

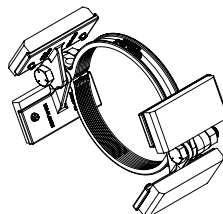
**UNI-FLANGE
IMPORT**

NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	NUMBER OF RUNNERS	MIN. CASING SIZE I.D.	APPROX. WT. LBS.	LIST PRICE
4"	4.80	UFRCS1300-C-4-I	4	12.4"	14.7	\$ 195.77
6"	6.90	UFRCS1300-C-6-I	4	14.0"	16.4	207.52
8"	9.05	UFRCS1300-C-8-I	4	17.8"	21.8	235.63
10"	11.10	UFRCS1300-C-10-I	4	21.5"	29.4	364.88
12"	13.20	UFRCS1300-C-12-I	4	23.0"	32.2	390.58
14"	15.30	UFRCS1300-C-14-I	4	27.0"	69.8	649.35
16"	17.40	UFRCS1300-C-16-I	4	30.0"	70.4	736.34
18"	19.50	UFRCS1300-C-18-I	4	31.0"	92.8	852.21
20"	21.60	UFRCS1300-C-20-I	4	33.0"	116.8	1198.50
24"	25.80	UFRCS1300-C-24-I	4	39.0"	142.8	1238.09

Note: 14" through 24" items are non-returnable and may be subject to a cancellation fee.

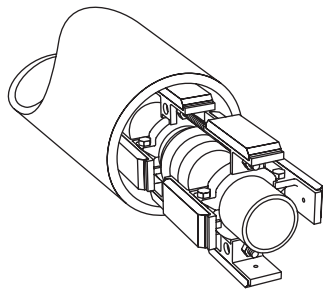
* 4" through 16" sizes are also recommended for use on ductile iron pipe.
See catalog for pressure capabilities.

SERIES 1300-P CASING SPACERS FOR SEWER PIPE

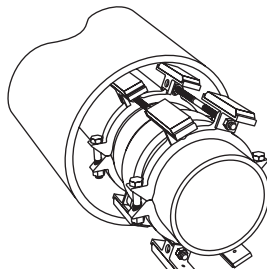


NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	NUMBER OF RUNNERS	MIN. CASING SIZE I.D.	APPROX. WT. LBS.	LIST PRICE
4"	4.21	UFRCS1300-P-4-I	2	10.5"	16.1	\$ 202.00
6"	6.28	UFRCS1300-P-6-I	2	12.2"	17.1	216.30
8"	8.40	UFRCS1300-P-8-I	2	14.5"	12.3	235.63
10"	10.50	UFRCS1300-P-10-I	2	16.8"	18.0	309.73
12"	12.50	UFRCS1300-P-12-I	2	19.2"	19.7	323.35
15"	15.30	UFRCS1300-P-15-I	4	27.0"	69.8	684.13

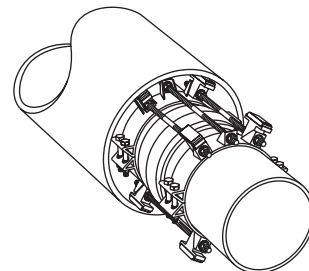
SERIES 1390 RESTRAINED CASING SPACER FOR PVC AND DUCTILE IRON PIPE* BELL SUPPORT



4", 6" and 8"
Restrained Casing Spacer
for Pipe Bell Joint



10" and 12"
Restrained Casing Spacer
for Pipe Bell Joint



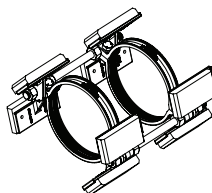
14" through 24"
Restrained Casing Spacer
for Pipe Bell Joint

NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	NUMBER OF RUNNERS	MIN CASING SIZE I.D.	RODS		APPROX. WT. LBS.	LIST PRICE
					QTY.	SIZE		
4"	4.80	UFRCS1390-C-4-I	8	12.4"	2	3/4" x 17"	32.1	\$ 397.09
6"	6.90	UFRCS1390-C-6-I	8	14.0"	2	3/4" x 17"	35.6	432.27
8"	9.05	UFRCS1390-C-8-I	8	17.8"	2	3/4" x 17"	46.3	479.16
10"	11.10	UFRCS1390-C-10-I	8	21.5"	4	3/4" x 24"	67.4	724.28
12"	13.20	UFRCS1390-C-12-I	8	23.0"	4	3/4" x 24"	72.8	775.09
14"	15.30	UFRCS1390-C-14-I	8	27.0"	6	3/4" x 30"	156.4	1498.29
16"	17.40	UFRCS1390-C-16-I	8	30.0"	6	3/4" x 30"	159.8	1546.16
18"	19.50	UFRCS1390-C-18-I	8	31.0"	8	3/4" x 30"	209.4	1813.89
20"	21.60	UFRCS1390-C-20-I	8	33.0"	8	3/4" x 36"	257.4	2508.33
24"	25.80	UFRCS1390-C-24-I	8	39.0"	12	3/4" x 36"	324.1	2615.70

Note: 14" through 24" items are non-returnable and may be subject to a cancellation fee.

* 4" through 16" sizes are also recommended for use on ductile iron pipe.
See catalog for pressure capabilities.

SERIES 1390-P CASING SPACERS FOR SEWER PIPE



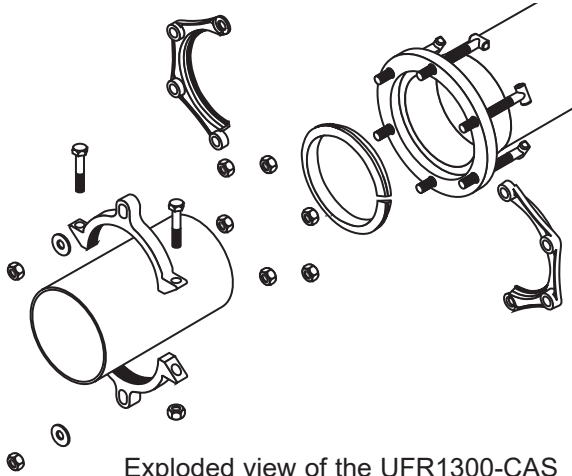
NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	NUMBER OF RUNNERS	MIN CASING SIZE I.D.	RODS		APPROX. WT. LBS.	LIST PRICE
					QTY.	SIZE		
4"	4.21	UFRCS1390-P-4-I	8	10.5"	2	3/4" x 17"	28.2	\$ 344.97
6"	6.28	UFRCS1390-P-6-I	8	12.2"	2	3/4" x 17"	29.1	376.11
8"	8.40	UFRCS1390-P-8-I	8	14.5"	2	3/4" x 17"	28.9	479.16
10"	10.50	UFRCS1390-P-10-I	8	16.8"	2	3/4" x 17"	33.5	581.73
12"	12.50	UFRCS1390-P-12-I	8	19.2"	2	3/4" x 17"	36.7	608.96
15"	15.30	UFRCS1390-P-15-I	8	27.0"	4	3/4" x 30"	149.5	1237.81

UNI-FLANGE RESTRAINTS

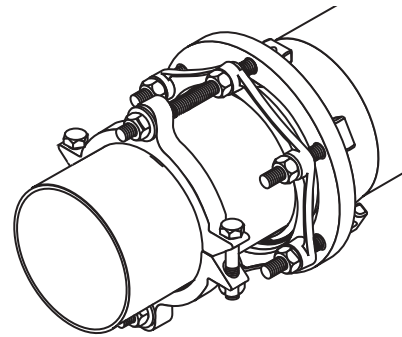
SERIES 1300-CAS AND 1300-SAS MECHANICAL JOINT REPAIR KIT FOR DUCTILE IRON AND PVC PIPE

The Uni-Flange Mechanical Joint Repair Kit is designed to repair an existing mechanical joint installation. The two-piece gland and split gasket provide for easy installation on existing pipe. The Uni-Flange Mechanical Joint Repair Kit combines the ability to repair a leak with restraint for the existing joint.

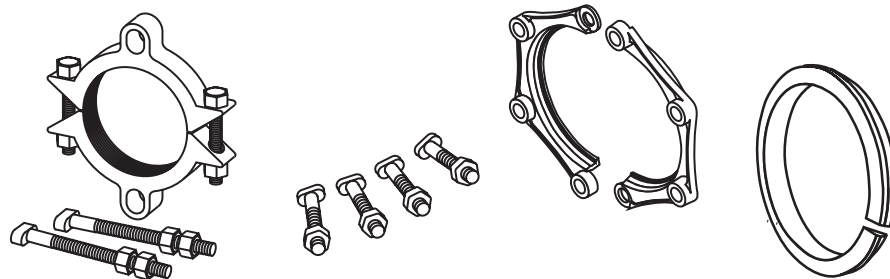
UNI-FLANGE
IMPORT



Exploded view of the UFR1300-CAS



Assembled view of the UFR1300-CAS



PACKAGE CONTAINS

- 1 - 1300 series restraint
- 1 - Set of high strength low alloy T-bolts (AWWA C111)
- 1 - Split mechanical joint gasket
- 1 - Split (two-piece) mechanical joint gland

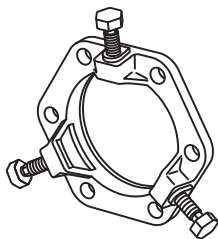
The kit is shrink-wrapped in a weather-resistant carton.

NOM. PIPE SIZE	PVC PIPE WITH STEEL PIPE O.D.		DUCTILE IRON PIPE O.D.		APPROX. WT. LBS.	LIST PRICE
	PIPE O.D. (INCHES)	CATALOG NUMBER	PIPE O.D.	CATALOG NUMBER		
4"	4.50	UFR1300-SAS-4-I	4.80	UFR1300-CAS-4-I	14.0	\$ 125.50
6"	6.63	UFR1300-SAS-6-I	6.90	UFR1300-CAS-6-I	18.9	175.95
8"	8.63	UFR1300-SAS-8-I	9.05	UFR1300-CAS-8-I	24.2	218.44
10"	10.75	UFR1300-SAS-10-I	11.10	UFR1300-CAS-10-I	37.3	294.19
12"	12.75	UFR1300-SAS-12-I	13.20	UFR1300-CAS-12-I	43.6	453.11

Note: The UFR1300-CAS and UFR1300-SAS are rated for a 150 PSI hydraulic seal.

SERIES 1400 WEDGE ACTION RESTRAINT GLAND FOR DUCTILE IRON PIPE*WORKING PRESSURE - 3" - 16" 350 PSI**- 18" - 48" 250 PSI*Listed
(4" through 48" sizes)**FM Approved**

(4" through 12" sizes)

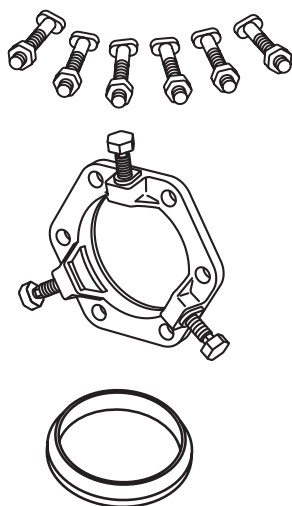


NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	PRESSURE RATING (PSI)	NO. OF WEDGES	APPROX. WEIGHT LBS.	PALLET QTY.	LIST PRICE
3"	3.96	UFR1400-D-3-I	350	2	5.1	80	\$ 44.99
4"	4.80	UFR1400-D-4-I	350	2	6.6	80	47.66
6"	6.90	UFR1400-D-6-I	350	3	8.9	45	56.07
8"	9.05	UFR1400-D-8-I	350	4	17.0	45	84.28
10"	11.10	UFR1400-D-10-I	350	6	20.9	25	124.92
12"	13.20	UFR1400-D-12-I	350	8	26.9	20	181.98
14"	15.30	UFR1400-D-14-I	350	10	41.6	10	241.55
16"	17.40	UFR1400-D-16-I	350	12	47.1	10	344.73
18"	19.50	UFR1400-D-18-I	250	12	59.1	10	488.34
20"	21.60	UFR1400-D-20-I	250	14	67.3	10	606.47
24"	25.80	UFR1400-D-24-I	250	16	85.5	10	842.10
30"	32.00	*UFR1400-D-30-I	250	20	171.4	5	1926.09
36"	38.30	*UFR1400-D-36-I	250	24	216.8	5	2465.31
42"	44.50	*UFR1400-D-42-I	250	28	472.4	5	3544.97
48"	50.80	*UFR1400-D-48-I	250	32	569.7	5	4872.69

Note: The Series 1400 is recommended for use ONLY on ductile iron pipe.

1400's are bundled in quantities of five. Ford encourages purchases in quantities of five.

*30" through 48" sizes include a Uni-Seal gasket.

SERIES 1400 WEDGE ACTION RESTRAINT GLAND FOR DUCTILE IRON PIPE PACKAGED WITH ACCESSORIES*WORKING PRESSURE - 3" - 16" 350 PSI**- 18" - 48" 250 PSI*

NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	PRESSURE RATING (PSI)	NO. OF WEDGES	APPROX. WEIGHT LBS.	PALLET QTY.	LIST PRICE
3"	3.96	UFR1400-DA-3-I	350	2	7.3	27	\$ 68.17
4"	4.80	UFR1400-DA-4-I	350	2	10.7	27	74.20
6"	6.90	UFR1400-DA-6-I	350	3	14.9	40	91.67
8"	9.05	UFR1400-DA-8-I	350	4	19.2	40	124.92
10"	11.10	UFR1400-DA-10-I	350	6	28.4	40	177.62
12"	13.20	UFR1400-DA-12-I	350	8	34.6	40	238.71
14"	15.30	UFR1400-DA-14-I	350	10	51.4	10	317.52
16"	17.40	UFR1400-DA-16-I	350	12	58.7	10	428.37
18"	19.50	UFR1400-DA-18-I	250	12	70.9	10	579.30
20"	21.60	UFR1400-DA-20-I	250	14	80.9	10	706.87
24"	25.80	UFR1400-DA-24-I	250	16	101.6	10	957.81
30"	32.00	UFR1400-DA-30-I	250	20	213.4	5	2126.54
36"	38.30	UFR1400-DA-36-I	250	24	245.0	5	2710.02
42"	44.50	UFR1400-DA-42-I	250	28	570.4	5	4115.36
48"	50.80	UFR1400-DA-48-I	250	32	681.7	5	5259.66

PACKAGE CONTAINS

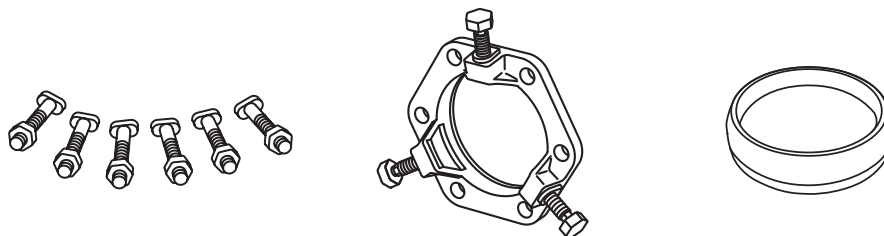
- 1 - Series 1400 restraint gland
- 1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
- 1 - Mechanical joint gasket, 3" through 12" (AWWA C111)

3" through 12" sizes are shrink-wrapped in a weather-resistant carton.
30" through 48" sizes are bulk packaged with Uni-Seal gasket.

SERIES 1400 RESTRAINT GLAND

PACKAGED WITH SO-EZ GASKET AND ACCESSORIES

WORKING PRESSURE - 350 PSI



NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	PRESSURE RATING (PSI)	NO. OF WEDGES	APPROX. WEIGHT LBS.	PALLET QTY.	LIST PRICE
3"	3.96	UFR1400-ZA-3-I	350	2	8.7	27	\$ 70.85
4"	4.80	UFR1400-ZA-4-I	350	2	10.1	27	80.77
6"	6.90	UFR1400-ZA-6-I	350	3	14.8	40	99.69
8"	9.05	UFR1400-ZA-8-I	350	4	19.2	40	133.10
10"	11.10	UFR1400-ZA-10-I	350	6	28.4	40	189.65
12"	13.20	UFR1400-ZA-12-I	350	8	34.6	40	252.12

PACKAGE CONTAINS

- 1 - Series 1400 restraint gland
- 1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
- 1 - SO-EZ gasket, 3" through 12" (AWWA C111)

3" through 12" sizes are shrink-wrapped in a weather-resistant carton.

SERIES 1405 SPLIT WEDGE ACTION RESTRAINT

FOR DUCTILE IRON PIPE, PACKAGED WITH ACCESSORIES

WORKING PRESSURE 3" - 12" 350 PSI / 14" - 16" 300 PSI / 18" - 36" 200 PSI



NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	PRESSURE RATING (PSI)	NO. OF WEDGES	PALLET QTY.	APPROX. WEIGHT LBS.	LIST PRICE
3"	3.96	UFR1405-DA-3-I	350	2	27	9.4	\$ 139.85
4"	4.80	UFR1405-DA-4-I	350	2	27	12.5	158.01
6"	6.90	UFR1405-DA-6-I	350	3	40	16.5	223.08
8"	9.05	UFR1405-DA-8-I	350	4	40	21.8	274.67
10"	11.10	UFR1405-DA-10-I	350	6	40	35.4	342.91
12"	13.20	UFR1405-DA-12-I	350	8	40	41.6	425.91
14"	15.30	UFR1405-DA-14-I	300	8	10	56.1	932.02
16"	17.40	UFR1405-DA-16-I	300	10	10	60.7	1043.56
18"	19.50	UFR1405-DA-18-I	200	10	10	74.2	1281.96
20"	21.60	UFR1405-DA-20-I	200	12	10	82.8	1596.72
24"	25.80	UFR1405-DA-24-I	200	14	10	108.6	2639.27
30"	32.00	UFR1405-DA-30-I	200	18	5	226.7	4037.28
36"	38.30	UFR1405-DA-36-I	200	22	5	294.3	5311.26

SERIES 1450 WEDGE ACTION RESTRAINT HARNESS

FOR PUSH-ON JOINTS OF DUCTILE IRON PIPE (new installations only)
WORKING PRESSURE - 3" - 16" 350 PSI / 18" - 36" 250 PSI

NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	PRESSURE RATING (PSI)	NO. OF RODS	ROD LENGTH	ROD DIA.	MAX BELL DIA.	APPROX. WEIGHT LBS.	LIST PRICE
3"	3.96	UFR1450-D-3-I	350	4	14"	5/8"	5.50"	11.4	\$ 91.01
4"	4.80	UFR1450-D-4-I	350	4	17"	3/4"	6.62"	18.6	92.73
6"	6.90	UFR1450-D-6-I	350	6	17"	3/4"	8.62"	29.1	137.28
8"	9.05	UFR1450-D-8-I	350	6	17"	3/4"	10.88"	34.6	178.83
10"	11.10	UFR1450-D-10-I	350	8	24"	3/4"	13.12"	54.1	313.36
12"	13.20	UFR1450-D-12-I	350	8	24"	3/4"	15.38"	65.2	392.14
14"	15.30	UFR1450-D-14-I	350	10	24"	3/4"	17.88"	85.4	788.10
16"	17.40	UFR1450-D-16-I	350	12	24"	3/4"	20.12"	103.6	879.08
18"	19.50	UFR1450-D-18-I	250	12	24"	3/4"	22.38"	142.7	969.33
20"	21.60	UFR1450-D-20-I	250	14	24"	3/4"	24.62"	131.6	1374.33
24"	25.80	UFR1450-D-24-I	250	16	24"	3/4"	29.12"	200.5	1780.07
30"	32.00	UFR1450-D-30-I	250	10	24"	1"	35.80"	369.3	3378.89
36"	38.30	UFR1450-D-36-I	250	12	24"	1"	42.60"	452.5	4941.80
42"	44.50	UFR1450-D-42-I	250	28	52"	1-1/4"	49.25"	1303.8	10252.71
48"	50.80	UFR1450-D-48-I	250	32	52"	1-1/4"	56.13"	1367.9	13351.36

Note: Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement. These diameters do not include joint deflection. Confirm pipe bell diameter before ordering.

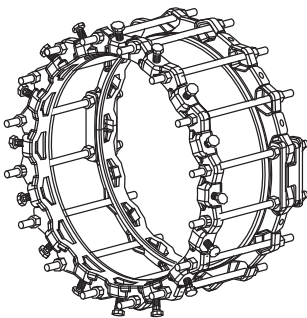
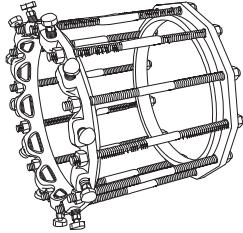
Due to design variations related to sizing, items may differ from image shown.

SERIES 1455 WEDGE ACTION RESTRAINT WITH SPLIT BACK UP RING

FOR PUSH-ON JOINTS OF DUCTILE IRON PIPE (new installations only)
WORKING PRESSURE 3" - 12" 350 PSI / 14" - 16" 300 PSI / 18" - 36" 200 PSI

NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	PRESSURE RATING (PSI)	NO. OF RODS	ROD LENGTH	ROD DIA.	MAX BELL DIA.	APPROX. WEIGHT LBS.	LIST PRICE
3"	3.96	UFR1455-D-3-I	350	4	14"	5/8"	5.50"	16.5	\$ 124.52
4"	4.80	UFR1455-D-4-I	350	4	17"	3/4"	6.62"	22.6	162.35
6"	6.90	UFR1455-D-6-I	350	6	17"	3/4"	8.62"	22.0	198.21
8"	9.05	UFR1455-D-8-I	350	6	17"	3/4"	10.88"	39.9	240.38
10"	11.10	UFR1455-D-10-I	350	8	24"	3/4"	13.12"	73.3	429.42
12"	13.20	UFR1455-D-12-I	350	8	24"	3/4"	15.38"	83.9	480.08
14"	15.30	UFR1455-D-14-I	300	10	24"	3/4"	17.88"	120.3	788.10
16"	17.40	UFR1455-D-16-I	300	12	24"	3/4"	20.12"	134.4	879.08
18"	19.50	UFR1455-D-18-I	200	12	24"	3/4"	22.38"	158.3	1074.57
20"	21.60	UFR1455-D-20-I	200	14	24"	3/4"	24.62"	178.7	1374.33
24"	25.80	UFR1455-D-24-I	200	16	24"	3/4"	29.12"	218.8	1780.07
30"	32.00	UFR1455-D-30-I	200	20	24"	1"	35.80"	447.1	3378.89
36"	38.30	UFR1455-D-36-I	200	24	24"	1"	42.60"	564.6	4941.80

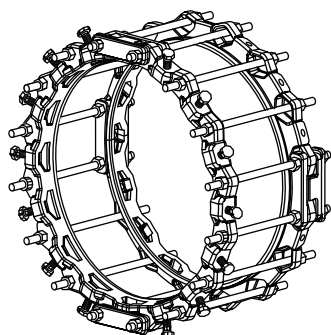
Note: Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement. These diameters do not include joint deflection. Confirm pipe bell diameter before ordering.



SERIES 1490 SPLIT WEDGE ACTION RESTRAINT WITH SPLIT BACK UP RING

FOR PUSH-ON JOINTS OF DUCTILE IRON PIPE (new or existing installations only)

WORKING PRESSURE 3" - 12" 350 PSI / 14" - 16" 300 PSI / 18" - 36" 200 PSI



NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	PRESSURE RATING (PSI)	NO. OF RODS	ROD LENGTH	ROD DIA.	MAX BELL DIA.	APPROX. WEIGHT LBS.	LIST PRICE
3"	3.96	UFR1490-D-3-I	350	4	14"	5/8"	5.50"	17.8	\$ 268.40
4"	4.80	UFR1490-D-4-I	350	4	17"	3/4"	6.62"	25.3	288.27
6"	6.90	UFR1490-D-6-I	350	6	17"	3/4"	8.62"	33.6	411.30
8"	9.05	UFR1490-D-8-I	350	6	17"	3/4"	10.88"	42.8	490.40
10"	11.10	UFR1490-D-10-I	350	8	24"	3/4"	13.12"	87.9	799.59
12"	13.20	UFR1490-D-12-I	350	8	24"	3/4"	15.38"	98.6	959.55
14"	15.30	UFR1490-D-14-I	300	10	24"	3/4"	17.88"	131.7	1374.33
16"	17.40	UFR1490-D-16-I	300	12	24"	3/4"	20.12"	162.0	1613.43
18"	19.50	UFR1490-D-18-I	200	12	24"	3/4"	22.38"	172.0	1989.88
20"	21.60	UFR1490-D-20-I	200	14	24"	3/4"	24.62"	192.6	2467.77
24"	25.80	UFR1490-D-24-I	200	16	24"	3/4"	29.12"	232.3	3112.59
30"	32.00	UFR1490-D-30-I	200	20	24"	1"	35.80"	436.0	4656.67
36"	38.30	UFR1490-D-36-I	200	24	24"	1"	42.60"	584.3	6580.36

Note: Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement. These diameters do not include joint deflection. Confirm pipe bell diameter before ordering.

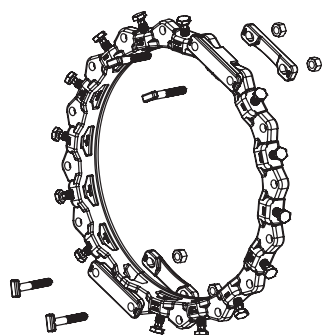
**UNI-FLANGE
IMPORT**

SERIES 1495 MID-SPAN SPLIT DUCTILE IRON RESTRAINT

FOR RESTRAINING DUCTILE IRON LINES MID-SPAN

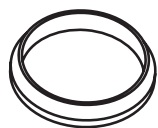
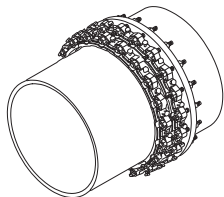
(new or existing installations)

WORKING PRESSURE 3" - 12" 350 PSI / 14" - 16" 300 PSI / 18" - 36" 200 PSI



NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	PRESSURE RATING (PSI)	MAX BELL DIA.	APPROX. WEIGHT LBS.	LIST PRICE
3"	3.96	UFR1495-D-3-I	350	5.50"	7.0	\$ 114.48
4"	4.80	UFR1495-D-4-I	350	6.62"	11.9	132.46
6"	6.90	UFR1495-D-6-I	350	8.62"	13.6	177.97
8"	9.05	UFR1495-D-8-I	350	10.88"	42.8	230.70
10"	11.10	UFR1495-D-10-I	350	13.12"	35.2	309.66
12"	13.20	UFR1495-D-12-I	350	15.38"	41.4	475.90
14"	15.30	UFR1495-D-14-I	300	17.88"	60.2	735.85
16"	17.40	UFR1495-D-16-I	300	20.12"	63.6	1011.43
18"	19.50	UFR1495-D-18-I	200	22.38"	75.7	1200.81
20"	21.60	UFR1495-D-20-I	200	24.62"	89.0	1658.53
24"	25.80	UFR1495-D-24-I	200	29.12"	146.3	1897.38
30"	32.00	UFR1495-D-30-I	200	35.80"	185.0	4526.01
36"	38.30	UFR1495-D-36-I	200	42.60"	329.0	5321.06

Note: Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement. These diameters do not include joint deflection. Confirm pipe bell diameter before ordering.

SERIES 2800 PACKAGED WITH ACCESSORIES*WORKING PRESSURE - 3" - 12" 500 PSI**- 14" - 16" 450 PSI**- 18" - 36" 350 PSI*UNI-FLANGE
IMPORT

NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	PRESSURE RATING (PSI)	APPROX. WEIGHT LBS.	PALLET QTY.	BOLT SIZE & LENGTH	LIST PRICE
3"	3.96	UFR2800-DA-3-I	500	12.0	14	5/8" x 9"	\$ 137.94
4"	4.80	UFR2800-DA-4-I	500	19.3	14	3/4" x 7"	150.03
6"	6.90	UFR2800-DA-6-I	500	28.7	20	3/4" x 7"	190.24
8"	9.05	UFR2800-DA-8-I	500	36.7	20	3/4" x 7"	253.04
10"	11.10	UFR2800-DA-10-I	500	54.4	20	3/4" x 7"	365.44
12"	13.20	UFR2800-DA-12-I	500	68.2	20	3/4" x 9"	502.57
14"	15.30	UFR2800-DA-14-I	450	84.0	5	3/4" x 9"	657.24
16"	17.40	UFR2800-DA-16-I	450	100.0	5	3/4" x 9"	869.86
18"	19.50	UFR2800-DA-18-I	350	134.0	5	3/4" x 9"	1146.01
20"	21.60	UFR2800-DA-20-I	350	157.8	5	3/4" x 9"	1402.16
24"	25.80	UFR2800-DA-24-I	350	197.7	5	3/4" x 9"	1641.72
30"	32.00	UFR2800-DA-30-I	350	408.5	2	1" x 12"	4157.11
36"	38.30	UFR2800-DA-36-I	350	501.9	2	1" x 12"	5731.58

PACKAGE CONTAINS

- 2 - Series 1400 restraint glands
- 1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
- 1 - Mechanical joint gasket, 3" through 12" (AWWA C111)

3" through 12" sizes are shrink-wrapped in a weather-resistant carton.

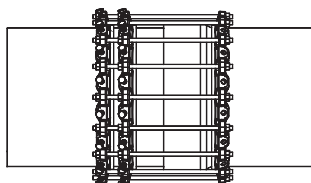
30" through 36" sizes are bulk packaged with Uni-Seal gasket.

SERIES 2850 BELL JOINT RESTRAINTS FOR HIGH PRESSURE APPLICATIONS ON DUCTILE IRON PIPE

WORKING PRESSURE - 3" - 12" 500 PSI

- 14" - 16" 450 PSI

- 18" - 36" 350 PSI



NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	PRESSURE RATING (PSI)	No. OF RODS	ROD LENGTH	ROD DIA.	MAX BELL DIA.	APPROX. WEIGHT LBS.	LIST PRICE
3"	3.96	UFR2850-D-3-I	500	4	14"	5/8"	5.50"	18.0	\$ 157.08
4"	4.80	UFR2850-D-4-I	500	4	17"	3/4"	6.62"	27.0	170.58
6"	6.90	UFR2850-D-6-I	500	6	17"	3/4"	8.62"	40.0	219.26
8"	9.05	UFR2850-D-8-I	500	6	17"	3/4"	10.88"	49.0	291.91
10"	11.10	UFR2850-D-10-I	500	8	24"	3/4"	13.12"	78.0	477.73
12"	13.20	UFR2850-D-12-I	500	8	24"	3/4"	15.38"	90.0	573.59
14"	15.30	UFR2850-D-14-I	450	10	24"	3/4"	17.88"	129.0	962.81
16"	17.40	UFR2850-D-16-I	450	12	24"	3/4"	20.12"	157.0	1147.42
18"	19.50	UFR2850-D-18-I	350	12	24"	3/4"	22.38"	204.1	1354.83
20"	21.60	UFR2850-D-20-I	350	14	24"	3/4"	24.62"	233.1	1837.00
24"	25.80	UFR2850-D-24-I	350	16	24"	3/4"	29.12"	289.1	2281.61
30"	32.00	UFR2850-D-30-I	350	20	24"	3/4"	35.80"	583.0	5313.04
36"	38.30	UFR2850-D-36-I	350	24	24"	1"	42.60"	686.0	6569.18

Note: Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement. These diameters do not include joint deflection. Confirm pipe bell diameter before ordering.

UNI-RING MECHANICAL JOINT RING RESTRAINT FOR C900, DUCTILE IRON, C909 AND HDPE



NOM. PIPE SIZE	FOR STEEL SIZED PVC AND *HDPE (GREY RING)				NOM. PIPE SIZE	FOR DUCTILE IRON, C900, C909 (PVCO) AND *HDPE (GREEN RING)			
	PIPE O.D. (INCHES)	CATALOG NUMBER	APPROX. WEIGHT (LBS.)	LIST PRICE		PIPE O.D. (INCHES)	CATALOG NUMBER	APPROX. WEIGHT (LBS.)	LIST PRICE
2"	2.38	FUR-S-2-I**	4.8	\$ 73.88	-	-	-	-	-
3"	3.50	FUR-S-3-I**	8.6	86.90	-	-	-	-	-
4"	4.50	FUR-S-4-I	15.0	115.40	4"	4.80	FUR-C-4-I	9.0	\$ 78.73
6"	6.63	FUR-S-6-I	20.4	140.05	6"	6.90	FUR-C-6-I	11.9	91.53
8"	8.63	FUR-S-8-I	24.3	196.52	8"	9.05	FUR-C-8-I	16.0	130.46
10"	10.75	FUR-S-10-I	22.3	341.15	10"	11.10	FUR-C-10-I	22.3	186.93
12"	12.75	FUR-S-12-I	24.5	361.89	12"	13.20	FUR-C-12-I	24.5	255.39

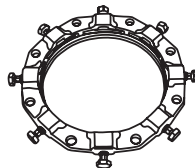
Includes gland, restraint ring, gasket, T-bolts and nuts. Includes gland, restraint ring, gasket, T-bolts and nuts.

** 2" and 3" also for steel pipe

Note: Spacer ring must be used on C909 pipe

* Ford recommends use of an insert stiffener when used on HDPE

SERIES 1500 RESTRAINT GLAND FOR C900, C909**, IPS PVC, SDR-35* OR HDPE PIPE


**UNI-FLANGE
IMPORT**

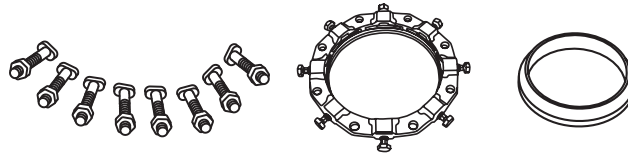
NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	NO. OF SEGMENTS	APPROX. WEIGHT LBS.	PRESSURE RATING								PALLET QTY.	LIST PRICE
					C900			C909		ASTM D2241		SEWER		
					DR-14	DR-18	DR-25	PC-235	PC-165	SDR-21	SDR-26	ALL		
3"	3.50	UFR1500-3-I	2	8.3	-	-	-	-	-	200	160	-	80	\$ 53.72
4"	4.22-4.80	UFR1500-4-I	2	8.1	305	235	165	235	-	200	160	Grav	80	57.76
6"	6.28-6.90	UFR1500-6-I	3	11.5	305	235	165	235	-	200	160	Grav	45	70.17
8"	8.40-9.05	UFR1500-8-I	4	15.0	305	235	165	235	-	200	160	Grav	35	103.74
10"	10.50-11.10	UFR1500-10-I	8	27.0	305	235	165	235	-	200	160	Grav	25	196.08
12"	12.50-13.20	UFR1500-12-I	8	29.7	305	235	165	235	-	200	160	Grav	20	206.50
14"	15.30	UFR1500-C-14-I	10	47.4	-	235	165	-	165	-	-	Grav	10	340.55
16"	17.40	UFR1500-C-16-I	12	60.9	-	235	165	-	165	-	-	-	10	458.02
18"	19.50	UFR1500-C-18-I	12	77.4	-	235	165	-	165	-	-	-	10	568.49
20"	21.60	UFR1500-C-20-I	14	89.8	-	235	165	-	165	-	-	-	10	704.41
24"	25.80	UFR1500-C-24-I	16	126.2	-	235	165	-	165	-	-	-	10	813.53
30"	32.00	UFR1500-C-30-I	20	136.9	-	-	165	-	165	-	-	Grav	5	2157.55
36"	38.30	UFR1500-C-36-I	24	187.2	-	-	165	-	-	-	-	Grav	5	2705.48

Note: UFR1500's are bundled in quantities of five. Ford encourages purchases in quantities of five.
30" and 36" sizes are shipped with Uni-Seal gaskets.

* **Sewer applications require SO-EZ NBR (Buna-N) gaskets. Contact factory for details.**

** Suitable for use on C909 up through 30"

SERIES 1500 RESTRAINT GLAND FOR C900 AND C909 PACKAGED WITH ACCESSORIES



NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	NO. OF SEGMENTS	APPROX. WEIGHT LBS.	PRESSURE RATING					PALLET QTY.	LIST PRICE
					C900			C909			
					DR-14	DR-18	DR-25	PC-235	PC-165		
4"	4.80	UFR1500-CA-4-I	2	12.2	305	235	165	-	-	27	\$ 85.30
6"	6.90	UFR1500-CA-6-I	3	16.5	305	235	165	235	-	40	106.76
8"	9.05	UFR1500-CA-8-I	4	21.9	305	235	165	235	-	40	144.05
10"	11.10	UFR1500-CA-10-I	8	33.0	305	235	165	235	-	40	250.82
12"	13.20	UFR1500-CA-12-I	8	37.3	305	235	165	235	-	40	263.25
14"	15.30	UFR1500-CA-14-I	10	56.1	-	235	165	-	-	10	414.77
16"	17.40	UFR1500-CA-16-I	12	71.4	-	235	165	-	165	10	542.33
18"	19.50	UFR1500-CA-18-I	12	89.2	-	235	165	-	-	10	658.43
20"	21.60	UFR1500-CA-20-I	14	101.9	-	235	165	-	-	10	806.22
24"	25.80	UFR1500-CA-24-I	16	140.6	-	235	165	-	-	10	933.78
30"	32.00	UFR1500-CA-30-I	20	178.9	-	-	165	-	-	5	2470.53
36"	38.30	UFR1500-CA-36-I	24	237.7	-	-	165	-	-	5	3013.96
42"	44.50	UFR1500-CA-42-I	28	678.4	-	-	165	-	-	1	8308.25
48"	50.80	UFR1500-CA-48-I	32	766.1	-	-	165	-	-	1	10685.70

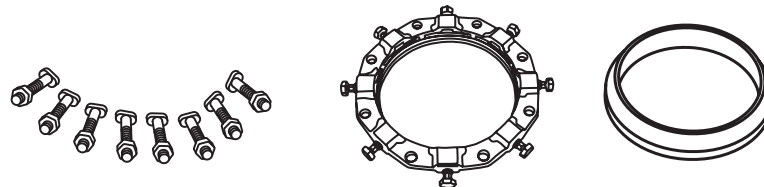
** Suitable for use on C909 up through 16"

PACKAGE CONTAINS

- 1 - Series 1500 restraint gland
- 1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
- 1 - MJ gasket (AWWA C111)

4" through 12" sizes are shrink-wrapped in a weather-resistant carton.

SERIES 1500 RESTRAINT GLAND FOR IPS PVC PACKAGED WITH ACCESSORIES



NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	NO. OF SEGMENTS	APPROX. WEIGHT LBS.	PRESSURE RATING		PALLET QTY.	LIST PRICE
					ASTM D2241			
					SDR-21	SDR-26		
3"	3.50	UFR1500-SA-3-I	2	10.6	200	160	27	\$ 79.25
4"	4.50	UFR1500-SA-4-I	2	12.4	200	160	27	85.30
6"	6.63	UFR1500-SA-6-I	3	17.1	200	160	40	106.76
8"	8.63	UFR1500-SA-8-I	4	23.4	200	160	40	144.05
10"	10.75	UFR1500-SA-10-I	8	33.0	200	160	40	250.82
12"	12.75	UFR1500-SA-12-I	8	37.3	200	160	40	263.25
14"	14.00	SEE NOTE						
16"	16.00	UFR1500-SA-16-I	12	76.0	200	160	10	P.O.A.
18"	18.00	UFR1500-SA-18-I	12	94.0	200	160	10	P.O.A.
20"	20.00	UFR1500-SA-20-I	14	109.0	200	160	10	P.O.A.
24"	24.00	UFR1500-SA-24-I	16	153.0	200	160	10	P.O.A.

Note: For 14" steel pipe only, Ford offers the UFR1500-ST-14-I as an imported casting

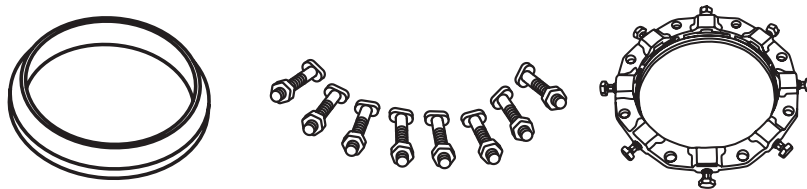
Note: For gland less gasket, T-bolts and nuts, replace -SA with -S

PACKAGE CONTAINS

- 1 - Series 1500 restraint gland
- 1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
- 1 - Transition gasket

3" through 12" sizes are shrink-wrapped in a weather-resistant carton.

SERIES 1500 RESTRAINT GLAND FOR C900, C909, IPS PVC, DR-35* OR HDPE PACKAGED WITH ACCESSORIES


 UNI-FLANGE
IMPORT

NOM. PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	No. OF SEGMENTS	APPROX. WEIGHT LBS.	PRESSURE RATING							PALLET QTY.	LIST PRICE
					C900			C909	ASTM D2241		SEWER		
					DR-14	DR-18	DR-25	PC-235	SDR-21	SDR-26	ALL		
*3"	3.50	UFR1500-ZA-3-I	2	10.6	-	-	-	-	200	160	-	27	\$ 81.89
*4"	4.22-4.80	UFR1500-ZA-4-I	2	12.4	305	235	165	-	200	160	Grav	27	91.93
*6"	6.28-6.90	UFR1500-ZA-6-I	3	16.8	305	235	165	235	200	160	Grav	40	114.81
*8"	8.40-9.05	UFR1500-ZA-8-I	4	23.5	305	235	165	235	200	160	Grav	40	152.27
*10"	10.50-11.10	UFR1500-ZA-10-I	8	33.0	305	235	165	235	200	160	Grav	40	262.86
*12"	12.50-13.20	UFR1500-ZA-12-I	8	37.6	305	235	165	235	200	160	Grav	40	276.63

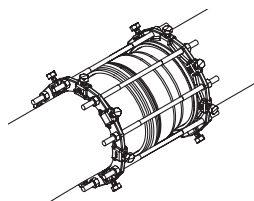
* Sewer applications require NBR (Buna-N) gaskets. Insert "N" into catalog number. Example: UFR1500-ZA-6-N-I. Contact factory for pricing.

PACKAGE CONTAINS

- 1 - Series 1500 restraint gland
- 1 - Set of high strength, low alloy T-bolts and nuts (AWWA C111)
- 1 - SO-EZ gasket

Note: 3" through 12" sizes are shrink-wrapped in a weather-resistant carton.

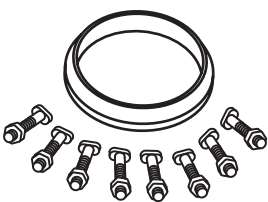
SERIES 1559 RESTRAINT HARNESS FOR C909 PVC BELL JOINTS (new installations only)



NOM. PIPE SIZE	PRESSURE RATING (PSI)	CATALOG NUMBER	No. OF RODS	ROD LENGTH	ROD DIA.	MAX BELL DIA.	APPROX. WEIGHT LBS.	LIST PRICE
4"	235	UFR1559-C-4-I	4	17"	3/4"	6.62"	29.9	\$ 217.30
6"	235	UFR1559-C-6-I	6	17"	3/4"	8.62"	43.0	298.80
8"	235	UFR1559-C-8-I	6	17"	3/4"	10.88"	50.4	364.53
10"	235	UFR1559-C-10-I	8	24"	5/8"	13.12"	70.2	469.61
12"	235	UFR1559-C-12-I	8	24"	5/8"	15.38"	78.2	594.52
16"	235	UFR1559-C-16-I	12	30"	3/4"	20.12"	161.3	1220.50

Note: Connecting rods WILL NOT CLEAR a pipe bell with a maximum diameter larger than the listed measurement. These diameters do not include joint deflection. Confirm pipe bell diameter before ordering.

MECHANICAL JOINT ACCESSORY KIT



NOM PIPE SIZE	PIPE O.D. (INCHES)	CATALOG NUMBER	T-BOLTS		LIST PRICE
			QTY.	SIZE	
3"	3.96	MJAK-3-I	4	5/8" x 3"	\$ 22.57
4"	4.80	MJAK-4-I	4	3/4" x 3-1/2"	33.53
6"	6.90	MJAK-6-I	6	3/4" x 3-1/2"	46.39
8"	9.05	MJAK-8-I	6	3/4" x 4"	51.01
10"	11.10	MJAK-10-I	8	3/4" x 4"	64.48
12"	13.20	MJAK-12-I	8	3/4" x 4"	67.01
14"	15.30	MJAK-14-I	10	3/4" x 4-1/2"	89.77
16"	17.40	MJAK-16-I	12	3/4" x 4-1/2"	101.51
18"	19.50	MJAK-18-I	12	3/4" x 4-1/2"	106.74
20"	21.60	MJAK-20-I	14	3/4" x 4-1/2"	121.92
24"	25.80	MJAK-24-I	16	3/4" x 5"	144.72
30"	32.00	MJAK-30-I	20	1" x 6"	369.12
36"	38.30	MJAK-36-I	24	1" x 6"	425.48
42"	44.50	MJAK-42-I	28	1-1/4" x 6-1/2"	827.06
48"	50.80	MJAK-48-I	32	1-1/4" x 6-1/2"	929.91