

ROMAGRIP™ PIPE RESTRAINT



MATERIAL SPECIFICATIONS

GLAND: Ductile (nodular) iron, meeting or exceeding ASTM A 536, Grade 65-45-12.

GASKETS: 3-24" sizes: A standard MJ gasket is used with this fitting. See ANSI/AWWA C111/A21.11 for gasket specs. For 30-48" sizes, SBR in accordance with ASTM D2000. Other compounds available for petroleum, chemical or high temperature service.

RESTRAINING BOLT: Ductile (nodular) iron, meeting or exceeding ASTM A 536-84. (3-24" sizes: 7/8 - 9 roll thread), (30-48" sizes: 1 1/4 - 7 roll thread)

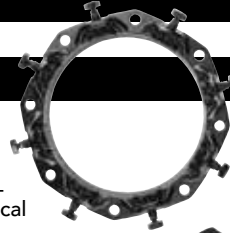
RESTRAINING LUGS: Ductile (nodular) iron, meeting or exceeding ASTM A 536-84. Heat treated using a proprietary process.

LUG LOCATORS: Polyurethane, a thermo-set plastic.

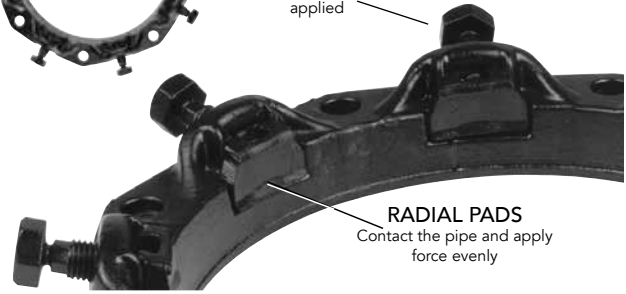
COATINGS: Shop coat applied to the casting for corrosion protection in transit. Romabond polyester available upon request

USE: Ductile iron pipe 3" - 48", cast iron pipe 3" - 48" (same OD's as ductile iron), IPS size steel 3" - 12" with transition gasket and a minimum thickness per ASTM A53 std. weight class pipe.

Not for use on polyethylene pipe, PVC pipe or plain end mechanical joint fittings.



TORQUE OFF BOLTS
Assure the proper torque is applied



RADIAL PADS
Contact the pipe and apply force evenly



ROMAGRIP for DUCTILE IRON PIPE ACCESSORY PACK (RomaGrip, Gasket, Bolts and Nuts)

NOM. PIPE SIZE	CATALOG NUMBER	T-BOLTS QTY.- SIZE	APPROX. WEIGHT (ea.)	ACCESSORY PACK LIST PRICE (EA.)				CRATE QTY
				SHOPCOAT w/ STD B&N	SHOPCOAT w/ R-BLUE ¹ B&N	ROMABOND w/ STD B&N	ROMABOND w/ R-BLUE ¹ B&N	
3"	3" RGAP-D	4: 5/8" x 3"	8#	\$60.98	\$73.54	\$64.64	\$77.95	54
4"	4" RGAP-D	4: 3/4" x 3 1/2"	11#	65.81	79.58	69.76	84.36	96
6"	6" RGAP-D	6: 3/4" x 4"	17#	81.51	98.90	86.40	104.83	72
8"	8" RGAP-D	6: 3/4" x 4"	22#	110.79	128.17	117.43	135.86	48
10"	10" RGAP-D	8: 3/4" x 4"	31#	156.98	180.16	166.39	190.96	30
12"	12" RGAP-D	8: 3/4" x 4"	37#	211.31	234.50	224.00	248.57	32
14"	14" RGAP-D	10: 3/4" x 4 1/2"	53#	326.03	367.69	358.63	404.46	-
16"	16" RGAP-D	12: 3/4" x 4 1/2"	62#	386.40	436.39	425.04	480.03	-
18"	18" RGAP-D	12: 3/4" x 4 1/2"	68#	543.38	593.37	597.71	652.70	-
20"	20" RGAP-D	14: 3/4" x 4 1/2"	78#	664.13	722.45	730.54	794.70	-
24"	24" RGAP-D	16: 3/4" x 5"	98#	821.10	895.48	903.21	985.03	-
30"	30" RGAP-IMPORT	20: 1" x 6"	295#	SEE PAGE 8-8				-
36"	36" RGAP-IMPORT	24: 1" x 6"	380#					-
42"	42" RGAP-IMPORT	28: 1 1/4" x 8 1/2"	595#					-
48"	48" RGAP-IMPORT	32: 1 1/4" x 8 1/2"	730#					-
								-

Accessory packs are available with stainless steel fasteners. Call for price and availability.

ROMAGRIP for DUCTILE IRON (RomaGrip ONLY)

NOM. PIPE SIZE	CATALOG NUMBER	APPROX. WEIGHT (ea.)	LIST PRICE (EA.)		BANDED QTY
			SHOP COAT	ROMABOND	
3"	3" RG-D	6#	\$40.46	\$42.88	5
4"	4" RG-D	7#	41.66	44.16	5
6"	6" RG-D	11#	49.51	52.48	5
8"	8" RG-D	16#	75.17	79.68	5
10"	10" RG-D	21#	111.09	117.76	3
12"	12" RG-D	28#	161.81	171.52	3
14"	14" RG-D	41#	259.61	285.58	-
16"	16" RG-D	49#	319.99	351.99	-
18"	18" RG-D	56#	470.93	518.02	-
20"	20" RG-D	64#	585.64	644.21	-
24"	24" RG-D	81#	725.71	798.28	-
30"	30" RG-IMPORT	250#	SEE PAGE 8-8		-
36"	36" RG-IMPORT	325#			-
42"	42" RG-IMPORT	479#			-
48"	48" RG-IMPORT	594#			-
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¹ R-BLUE Bolts and Nuts, see page 10-3 for more information.



Some initial axial movement may occur in lug style restraints as the lugs seat. Movement is directly related to the size of the piping system and the system pressure. In general terms movement of approximately 0.25" can be expected in restraints under 16". For larger sizes, movement of approximately 0.4" may be seen. If this is critical to your application please contact Romac Engineering for additional information.

RESTRAINT SYSTEMS

IMPORT ROMAGRIP™ & ROMAGRIP™ FOR PVC



ROMAGRIP™ FOR DUCTILE IRON PIPE

Specifications for the RomaGrip are located on page 8-7. **TO ORDER:** Specify catalog number.



IMPORT - ROMAGRIP for DUCTILE IRON PIPE ACCESSORY PACK

(RomaGrip, Gasket, Bolts and Nuts)

NOM. PIPE SIZE	CATALOG NUMBER	T-BOLTS QTY : SIZE	WEIGHT (ea.)	LIST PRICE (EA.)
14"	14" RGAP - I	10: 3/4" x 4 1/2"	53#	\$286.18
16"	16" RGAP - I	12: 3/4" x 4 1/2"	62#	346.55
18"	18" RGAP - I	12: 3/4" x 4 1/2"	68#	473.34
20"	20" RGAP - I	14: 3/4" x 4 1/2"	78#	591.68
24"	24" RGAP - I	16: 3/4" x 5"	98#	688.28
30"	30" RGAP - I	20: 1" x 6"	295#	1,799.18
36"	36" RGAP - I	24: 1" x 6"	380#	2,336.51
42"	42" RGAP - I	28: 1 1/4" x 8 1/2"	595#	3,592.31
48"	48" RGAP - I	32: 1 1/4" x 8 1/2"	730#	4,238.33

IMPORT - ROMAGRIP for DUCTILE IRON PIPE (RomaGrip ONLY)

NOM. PIPE SIZE	CATALOG NUMBER	WEIGHT (ea.)	LIST PRICE (EA.)
14"	14" RG - I	41#	\$220.97
16"	16" RG - I	49#	286.18
18"	18" RG - I	56#	410.55
20"	20" RG - I	64#	519.23
24"	24" RG - I	81#	597.71
30"	30" RG - I	250#	1,630.13
36"	36" RG - I	325#	2,070.86
42"	42" RG - I	479#	3,048.94
48"	48" RG - I	594#	4,014.94

ROMAGRIP™ FOR PVC PIPE

Specifications for the RomaGrip are located on page 8-8. **TO ORDER:** Specify catalog number.



IMPORT - ROMAGRIP for PVC ACCESSORY PACK

(RomaGrip for PVC, Gasket, Bolts and Nuts)

NOM. PIPE SIZE	RANGE	CATALOG NUMBER	T-BOLTS QTY : SIZE	WEIGHT (ea.)	LIST PRICE (EA.)
14"	15.30	14" RG-PVCAP - I	10: 3/4" x 4 1/2"	58#	\$368.29
16"	17.40	16" RG-PVCAP - I	12: 3/4" x 4 1/2"	68#	446.78
18"	19.50	18" RG-PVCAP - I	12: 3/4" x 4 1/2"	80#	555.45
20"	21.60	20" RG-PVCAP - I	14: 3/4" x 4 1/2"	87#	694.31
24"	25.80	24" RG-PVCAP - I	16: 3/4" x 5"	112#	754.69

IMPORT - ROMAGRIP for PVC (RomaGrip for PVC, ONLY)

NOM. PIPE SIZE	RANGE	CATALOG NUMBER	WEIGHT (ea.)	LIST PRICE (EA.)
14"	15.30	14" RG-PVC - I	47#	\$287.39
16"	17.40	16" RG-PVC - I	53#	376.74
18"	19.50	18" RG-PVC - I	68#	481.79
20"	21.60	20" RG-PVC - I	72#	597.71
24"	25.80	24" RG-PVC - I	95#	664.13

Catalog Numbers ending in "I" indicate a RomaGrip imported into the US.



Some initial axial movement may occur in lug style restraints as the lugs seat. Movement is directly related to the size of the piping system and the system pressure. In general terms movement of approximately 0.25" can be expected in restraints under 16". For larger sizes, movement of approximately 0.4" may be seen. If this is critical to your application please contact Romac Engineering for additional information.

RESTRAINT SYSTEMS