



## TECHNICAL DATA

## GROOVED COUPLING MODEL V-7706 REDUCING COUPLING

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### 1. DESCRIPTION

VGS® Model V-7706 Reducing Couplings are available in sizes 2" through 8" with various size outlets as shown in Table 1. Fitting solutions are available in a number of styles and configurations to support a variety of applications. VGS® Reducing Couplings are manufactured at ISO9001 certified facilities and are designed to conform to ASTM and other standards where applicable. These products are manufactured and designed to conform to ASTM F1476.

#### CAUTION

Do not use the Model V-7706 Coupling with an end cap; the end cap may be sucked into the pipe when draining the system.

### 2. LISTINGS AND APPROVALS

cUL US Guide No. VIZM

FM APPROVED Class 1920

### 3. TECHNICAL DATA

Specifications:

Maximum working pressure: 300 psi (21 bar)

Ductile iron conforming to ASTM A536

Grade 65-45-12

Coating rust inhibiting paint - Orange RAL 2001

Hot dipped Zinc galvanized versions are available (conforming to ASTM A153); when ordering, add a "G" suffix to the Model number.

Rubber compound EPDM Grade E conforming to ASTM D2000.

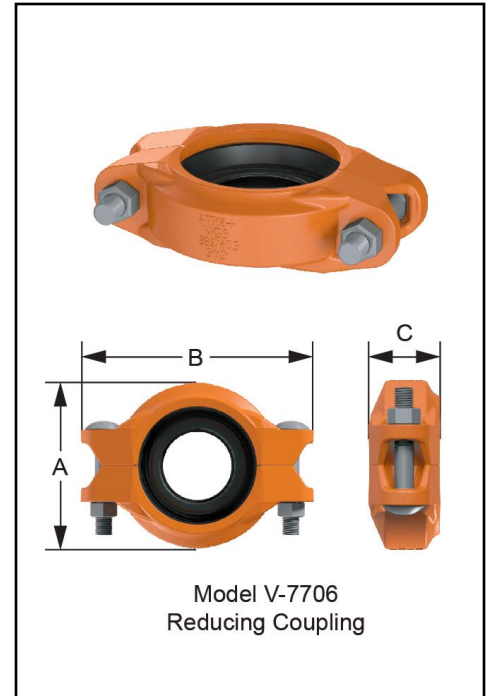
Nuts: Zinc plated, Carbon Steel conforming to ASTM A563 Grade B

Track Bolts: 10B21 Boron Steel

The latest VGS® Technical Data can be accessed at  
<http://www.vikinggroupinc.com>.  
Scan to visit our Mobile website:



<http://vikinggroup.mobi/p/46374>



### 4. INSTALLATION

Refer to the following VGS® Grooved Coupling Installation Guide (Form No. F\_031114), Pipe End Preparation Guide (Form No. F\_031214), and Rubber Gasket Installation Guide (Form No. F\_031014) for detailed instructions regarding installation.

Be sure that all pipes and fittings used with this coupling are standard sizes and not metric.

TABLE 1: MODEL V-7706 REDUCING COUPLING SIZING CHART

Nominal Size in (mm)	Pipe O.D. in (mm)	Max. Working Pressure PSI (Bar)	Max. End Load Lbs/kN	Axial Displacement in (mm)	Dimensions			Bolt Size in (mm)	Weight Lbs (Kgs)
					A in (mm)	B in (mm)	C in (mm)		
2 x 1.5 (50 x 40)	2.375 x 1.9 (60 x 48)	300 (21)	1550 (4.40)	0 ~ 0.13 (0 ~ 3.2)	3.35 (85)	4.88 (124)	1.89 (48)	3/8 x 2-1/8 (M10 x 55)	2.0 (0.9)
2.5 x 2 (65 x 50)	2.875 x 2.375 (73 x 60)	300 (21)	2270 (6.85)	0 ~ 0.13 (0 ~ 3.2)	3.94 (100)	5.71 (145)	1.89 (48)	3/8 x 2-1/8 (M10 x 55)	2.6 (1.2)
3 x 2 (80 x 50)	3.5 x 2.375 (90 x 60)	300 (21)	3370 (6.85)	0 ~ 0.13 (0 ~ 3.2)	4.67 (119)	6.65 (169)	1.89 (48)	1/2 x 3 (M12 x 75)	3.3 (1.5)
3 x 2.5 (80 x 65)	3.5 x 2.875 (90 x 73)	300 (21)	3370 (10.04)	0 ~ 0.13 (0 ~ 3.2)	4.61 (117)	6.65 (169)	1.89 (48)	1/2 x 3 (M12 x 75)	3.7 (1.7)
4 x 2 (100 x 50)	4.5 x 2.375 (114 x 60)	300 (21)	5560 (6.85)	0 ~ 0.19 (0 ~ 4.8)	5.83 (148)	7.87 (200)	1.97 (50)	1/2 x 3 (M12 x 75)	5.3 (2.4)
4 x 2.5 (100 x 65)	4.5 x 2.875 (114 x 73)	300 (21)	5560 (10.04)	0 ~ 0.19 (0 ~ 4.8)	5.83 (148)	7.87 (200)	1.99 (51)	1/2 x 3 (M12 x 75)	5.7 (2.6)
4 x 3 (100 x 80)	4.5 x 3.5 (114 x 90)	300 (21)	5560 (14.89)	0 ~ 0.19 (0 ~ 4.8)	5.83 (148)	7.87 (200)	1.99 (51)	1/2 x 3 (M12 x 75)	5.3 (2.4)
6 x 4 (150 x 100)	6.625 x 4.5 (168 x 114)	300 (21)	12060 (24.61)	0~0.25 (0~6.4)	8.11 (206)	10.63 (270)	2.05 (52)	5/8 x 3-1/2 (M16 x 90)	9.9 (4.5)
8 x 6 (200 x 150)	8.625 x 6.625 (219 x 168)	300 (21)	20440 (53.35)	0 ~ 0.25 (0 ~ 6.4)	10.35 (263)	13.19 (335)	2.24 (57)	3/4 x 4-3/4 (M20 x 120)	16.7 (7.6)