



**TECHNICAL DATA**

**GROOVED FITTINGS  
MODEL V-7150 CONCENTRIC  
REDUCER**

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**1. DESCRIPTION**

VGS® Model V-7150 Concentric Reducer fittings are available in sizes 1-1/4" through 12" with various outlet sizes as shown in Table 1. Fitting solutions are available in a number of styles and configurations to support a variety of applications. VGS® grooved-end fittings 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 meet ASTM F1548 and ANSI/AWWA C606 requirements for use with grooved mechanical couplings conforming to ASTM F1476.

**2. LISTINGS AND APPROVALS**

UL US Guide No. VIZA

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

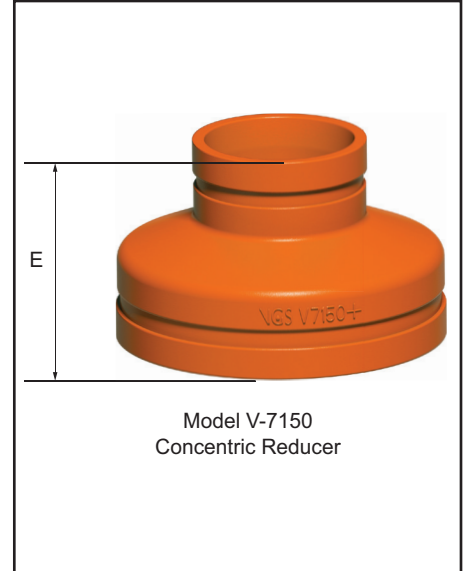
Coating rust inhibiting paint - Orange RAL 2001

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

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



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



Model V-7150 Concentric Reducer

**TABLE 1: VGS Model V-7150 CONC. REDUCER SIZING CHART**

Nominal Size in (mm)	Pipe O.D. in (mm)	V-7150 Concentric Reducer	
		E in (mm)	Lbs (Kgs)
1.25 x 1 (32 x 25)	1.66 x 1.315 (42 x 33)	2.5 (64)	0.5 (0.23)
1.5 x 1 (40 x 25)	1.9 x 1.315 (48 x 33)	2.5 (64)	0.5 (0.23)
1.5 x 1.25 (40 x 32)	1.9 x 1.66 (48 x 42)	2.5 (64)	0.7 (0.32)
2 x 1.25 (50 x 32)	2.375 x 1.66 (60 x 42)	2.5 (64)	0.9 (0.41)
2 x 1.5 (50 x 40)	2.375 x 1.9 (60 x 48)	2.5 (64)	1.0 (0.45)
2.5 x 1.5 (65 x 40)	2.875 x 1.9 (73 x 48)	2.5 (64)	1.3 (0.59)
2.5 x 2 (65 x 50)	2.875 x 2.375 (73 x 60)	2.5 (64)	1.2 (0.54)
3 x 1.25 (80 x 32)	3.5 x 1.66 (89 x 42)	2.5 (64)	1.5 (0.68)
3 x 1.5 (80 x 40)	3.5 x 1.9 (89 x 48)	2.5 (64)	1.6 (0.73)
3 x 2 (80 x 50)	3.5 x 2.375 (89 x 60)	2.5 (64)	1.5 (0.68)
3 x 2.5 (80 x 65)	3.5 x 2.875 (89 x 73)	2.5 (64)	1.6 (0.73)
4 x 1.5 (100 x 40)	4.5 x 1.9 (114 x 48)	3 (76)	2.4 (1.08)
4 x 2 (100 x 50)	4.5 x 2.375 (114 x 60)	3 (76)	2.4 (1.08)
4 x 2.5 (100 x 65)	4.5 x 2.875 (114 x 73)	3 (76)	2.6 (1.18)
4 x 3 (100 x 80)	4.5 x 3.5 (114 x 89)	3 (76)	2.6 (1.18)

**TABLE 1 (cont.): Model V-7150 CONC. REDUCER SIZING CHART**

Nominal Size in (mm)	Pipe O.D. in (mm)	V-7150 Concentric Reducer	
		E in (mm)	Lbs (Kgs)
5 x 4 (125 x 100)	5.563 x 4.5 (141 x 114)	3.5 (89)	4.0 (1.81)
6 x 2 (150 x 50)	6.625 x 2.375 (168 x 60)	4 (102)	5.9 (2.68)
6 x 2.5 (150 x 65)	6.625 x 2.875 (168 x 73)	4 (102)	5.4 (2.45)
6 x 3 (150 x 80)	6.625 x 3.5 (168 x 89)	4 (102)	6.3 (2.86)
6 x 4 (150 x 100)	6.625 x 4.5 (168 x 114)	4 (102)	5.4 (2.45)
6 x 5 (150 x 125)	6.625 x 5.563 (168 x 141)	4 (102)	6.2 (2.81)
8 x 3 (200 x 80)	8.625 x 3.5 (219 x 89)	5 (127)	10.4 (4.72)
8 x 4 (200 x 100)	8.625 x 4.5 (219 x 114)	5 (127)	13.7 (6.21)
8 x 5 (200 x 125)	8.625 x 5.563 (219 x 141)	5 (127)	10.8 (4.96)
8 x 6 (200 x 150)	8.625 x 6.625 (219 x 168)	5 (127)	13.1 (5.94)
10 x 4 (250 x 100)	10.75 x 4.5 (273 x 114)	6 (152)	17.9 (8.12)
10 x 6 (250 x 150)	10.75 x 6.625 (273 x 168)	6 (152)	24.3 (11.02)
10 x 8 (250 x 200)	10.75 x 8.63 (273 x 219)	6 (152)	20.1 (9.12)
12 x 6 (300 x 150)	12.75 x 6.625 (323 x 168)	7 (178)	35.1 (15.92)
12 x 8 (300 x 200)	12.75 x 8.63 (323 x 219)	7 (178)	31.6 (14.33)
12 x 10 (300 x 250)	12.75 x 10.75 (323 x 273)	7 (178)	29.1 (13.12)