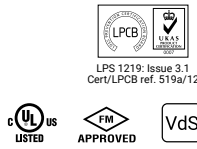


Concentric Reducer
Fig. R-1



Material Specifications

Cast Fittings

Ductile Iron conforming to ASTM A536

Fabricated Fittings

1"-10" Carbon Steel, Schedule 40, conforming to ASTM A53, Grade B

12" Carbon Steel, Standard Wall, conforming to ASTM A53, Grade B

Coatings

Rust inhibiting paint

Color: Orange (standard)

Hot Dipped Zinc Galvanized

conforming to ASTM A153 (optional)

Other available options

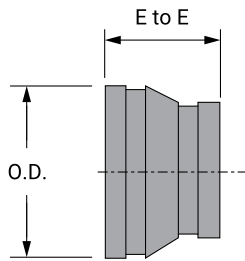
(Example: RAL3000 or RAL9000 Series)

For Listings/Approval Details and Limitations, visit our website at www.asc-es.com or contact an ASC Engineered Solutions™ Sales Representative.



PROJECT INFORMATION	APPROVAL STAMP
Project:	Approved
Address:	Approved as noted
Contractor:	Not approved
Engineer:	Remarks:
Submittal Date:	
Notes 1:	
Notes 2:	

Fig. R-1
Concentric Reducer



R-1 Concentric Reducer

Nominal Size	End to End	Approx. Wt. Ea.	Nominal Size	End to End	Approx. Wt. Ea.	Nominal Size	End to End	Approx. Wt. Ea.
In./DN(mm)	In./mm	Lbs./kg	In./DN(mm)	In./mm	Lbs./kg	In./DN(mm)	In./mm	Lbs./kg
1 1/4 x 1 32 x 25	3 5/16 84	0.85 0.4	3 x 2 (d) 80 x 50	3 5/16 84	1.4 0.6	5 x 2 1/2 125 x 65	3 1/2 89	4.8 2.2
1 1/2 x 1 40 x 25	3 5/16 84	0.73 0.3	3 x 2 1/2 (d) 80 x 65	3 5/16 84	1.5 0.7	5 x 3 125 x 80	3 1/2 89	4.8 2.2
1 1/2 x 1 1/4 40 x 32	3 5/16 84	1.0 0.4	4 x 1 100 x 25	3 3/8 86	3.2 1.5	5 x 4 125 x 100	3 1/2 89	4.8 2.2
2 x 1 (d) 50 x 25	3 5/16 84	0.7 0.3	4 x 1 1/4 100 x 32	3 3/8 86	3.2 1.5	6 x 1 150 x 25	— —	7.5 3.4
2 x 1 1/4 (d) 50 x 32	3 5/16 84	0.8 0.4	4 x 1 1/2 (d) 100 x 40	3 3/8 86	2.7 1.2	6 x 1 1/2 150 x 40	— —	7.5 3.4
2 x 1 1/2 (d) 50 x 40	3 5/16 84	0.8 0.4	4 x 2 (d) 100 x 50	3 3/8 86	2.5 1.1	6 x 2 (d) 150 x 50	4 102	6.3 2.9
2 1/2 x 1 65 x 25	3 5/16 84	1.5 0.7	4 x 2 1/2 (d) 100 x 65	3 3/8 86	3.2 1.5	6 x 2 1/2 150 x 65	4 102	5.1 2.3
2 1/2 x 1 1/4 65 x 32	3 5/16 84	1.5 0.7	4 x 3 (d) 100 x 80	3 76	2.6 1.2	6 x 3 (d) 150 x 80	4 102	4.3 1.9
2 1/2 x 1 1/2 65 x 40	3 5/16 84	1.5 0.7	4 x 3 1/2 100 x 90	— —	1.0 0.4	6 x 4 (d) 150 x 100	4 102	6.3 2.9
2 1/2 x 2 65 x 50	3 5/16 84	1.9 0.9	5 x 1 125 x 25	— —	4.8 2.2	6 x 5 150 x 125	4 102	7.5 3.4
3 x 1 80 x 25	3 5/16 84	2.4 1.1	5 x 1 1/4 125 x 32	— —	4.8 2.2	8 x 1 1/2 200 x 40	— —	9.1 4.1
3 x 1 1/4 80 x 32	3 5/16 84	2.4 1.1	5 x 1 1/2 125 x 40	3 1/2 89	4.8 2.2	8 x 2 200 x 50	5 127	9.1 4.1
3 x 1 1/2 80 x 40	3 5/16 84	2.4 1.1	5 x 2 125 x 50	3 1/2 89	4.8 2.2	8 x 2 1/2 200 x 65	5 127	9.1 4.1

Notes:

(d) = Ductile Iron all others are fabricated.

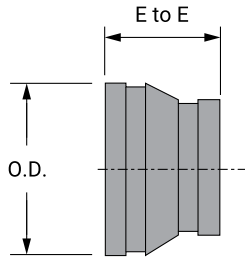


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Fig. R-1 Concentric Reducer

(continued)



R-1 Concentric Reducer

Nominal Size	End to End	Approx. Wt. Ea.	Nominal Size	End to End	Approx. Wt. Ea.
In./DN(mm)	In./mm	Lbs./kg	In./DN(mm)	In./mm	Lbs./kg
8 x 3 (d) 200 x 80	5 127	9.2 4.2	10 x 5 250 x 125	6 152	16.4 7.4
8 x 4 (d) 200 x 100	5 127	9.8 4.4	10 x 6 250 x 150	6 152	16.4 7.4
8 x 5 200 x 125	5 127	9.1 4.1	10 x 8 (d) 250 x 200	6 152	23.1 10.5
8 x 6 (d) 200 x 150	5 127	12.0 5.4	12 x 1 300 x 25	— —	19.0 8.6
10 x 1½ 250 x 40	— —	16.4 7.4	12 x 2 300 x 50	— —	19.0 8.6
10 x 2 250 x 50	— —	16.4 7.4	12 x 2½ 300 x 65	— —	19.0 8.6
10 x 2½ 250 x 65	— —	16.4 7.4	12 x 3 300 x 80	— —	19.0 8.6
10 x 3 250 x 80	— —	16.4 7.4	12 x 4 300 x 100	7 178	19.0 8.6
10 x 4 250 x 100	6 152	16.4 7.4	12 x 5 300 x 125	7 178	19.0 8.6
10 x 5 250 x 125	6 152	16.4 7.4	12 x 6 300 x 150	7 178	19.0 8.6
10 x 6 250 x 150	6 152	16.4 7.4	12 x 8 300 x 200	7 178	19.0 8.6
10 x 8 (d) 250 x 200	6 152	23.1 10.5	12 x 10 300 x 250	7 178	19.0 8.6
10 x 4 250 x 100	6 152	16.4 7.4			

Notes:

(d) = Ductile Iron all others are fabricated.

O.D. Chart

Nominal Size	O.D.	Nominal Size	O.D.
In./DN(mm)	In./mm	In./DN(mm)	In./mm
1 25	1.315 33.4	4 100	4.500 114.3
1¼ 32	1.660 42.2	5 125	5.563 141.3
1½ 40	1.900 48.3	6 150	6.625 168.3
2 50	2.375 60.3	8 200	8.625 219.1
2½ 65	2.875 73.0	10 250	10.750 273.1
3 80	3.500 88.9	12 300	12.750 323.9
3½ 90	4.000 101.6		



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