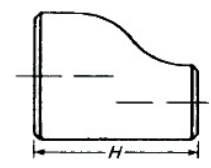
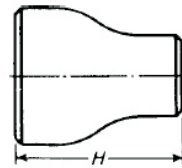




**JC METALES**  
**INDUSTRIALES S.A.C.**  
 CONEXIONES - TUBERIAS - VALVULAS



## ASME B 16.9 Concentric and Eccentric Reducers

Nominal Pipe Size (NPS)	Outside Diameter		Leng H	Wall thickness of Pipe Schedule / mm		Theoretical Weights kg / piece		Theoretical Weights kg / piece	
	Large End	Small End		Standard		XS		Standard	XS
				Large End	Small End	Large End	Small End		
Inch	mm	mm	mm	Large End	Small End	Large End	Small End		
3/4 x 1/2	26.7	21.3	38	2.87	2.77	3.91	3.73	0.09	0.11
1 x 1/2	33.4	21.3	51	3.38	2.77	4.55	3.73	0.16	0.19
1.1/4 x 1	42.2	33.4	51	3.56	3.38	4.85	4.55	0.22	0.26
1.1/2 x 1	48.3	33.4	64	3.68	3.38	5.08	4.55	0.26	0.33
2 x 1.1/2	60.3	48.3	76	3.91	3.68	5.54	5.08	0.43	0.54
2.1/2 x 2	73.0	60.3	89	5.16	3.91	7.01	5.54	0.73	0.95
3 x 2	88.9	60.3	89	5.49	3.91	7.62	5.54	0.91	1.18
4 x 3	114.3	88.9	102	6.02	5.49	8.56	7.62	1.50	2.14
5 x 4	141.3	114.3	127	6.55	6.02	9.53	8.56	2.50	3.41
6 x 4	168.3	114.3	140	7.11	6.02	10.97	8.56	3.32	4.86
8 x 6	219.1	168.3	152	8.18	7.11	12.70	10.97	5.59	8.55
10 x 8	273.1	219.1	178	9.27	8.18	12.70	12.70	10.05	13.37
12 x 10	323.9	273.1	203	9.53	9.27	12.70	12.70	14.73	18.86
14 x 12	355.6	323.9	330	9.53	9.53	12.70	12.70	28.63	36.81
16 x 14	406.4	355.6	356	9.53	9.53	12.70	12.70	34.27	44.55
18 x 16	457.0	406.4	381	9.53	9.53	12.70	12.70	39.68	53.64
20 x 18	508.0	457.0	508	9.53	9.53	12.70	12.70	55.91	73.64
24 x 20	610.0	508.0	508	9.53	9.53	12.70	12.70	70.91	91.36