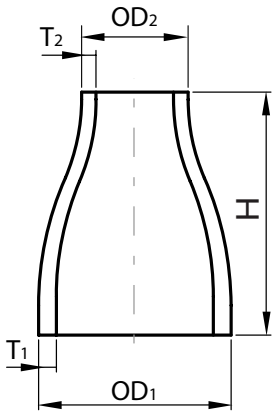
REDUCCIÓN CONCÉNTRICA

Normas de Diseño
: ANSI/ASME B16.9
Material:
Acero A234 WPB
Cédula:
STD, SCH 40, XS, SCH 80, SCH 160
Espesor Mínimo:
-12.5% del valor nominal





Unidad: Milímetros (mm)

MEDIDA	DIÁMETRO EXTERIOR		ESPESOR DE PARED T1					ESPESOR DE PARED T2					FINA A FINAL	PESO APROX (Kg)				
	O.D. 1	O.D. 2	STD	SCH 40	XS	SCH 80	SCH 160	STD	SCH 40	XS	SCH 80	SCH 160	H	STD	SCH 40	XS	SCH 80	SCH 160
3/4" x 1/2"	26.7	21.3	2.87	2.87	3.91	3.91	5.56	2.77	2.77	3.73	3.73	4.78	38.1	0.06	0.06	0.08	0.08	-
1" x 3/4"	33.4	26.7	3.38	3.38	4.55	4.55	6.35	2.87	2.87	3.91	3.91	5.56	50.8	0.12	0.12	0.15	0.15	0.19
1" x 1/2"	33.4	21.3	3.38	3.38	4.55	4.55	6.35	2.77	2.77	3.73	3.73	4.78	50.8	0.11	0.11	0.14	0.14	0.17
1 1/4" x 1"	42.2	33.4	3.56	3.56	4.85	4.85	6.35	3.38	3.38	4.55	4.55	6.35	50.8	0.16	0.16	0.21	0.21	0.25
1 1/4" x 3/4"	42.2	26.7	3.56	3.56	4.85	4.85	6.35	2.87	2.87	3.91	3.91	5.56	50.8	0.15	0.15	0.19	0.19	0.23
1 1/4" X 1/2"	42.2	21.3	3.56	3.56	4.85	4.85	6.35	2.77	2.77	3.73	3.73	4.78	50.8	0.14	0.14	0.18	0.18	-
1 1/2" x 1 1/4"	48.3	42.2	3.68	3.68	5.08	5.08	7.14	3.56	3.56	4.85	4.85	6.35	63.5	0.25	0.25	0.33	0.33	0.43
1 1/2" x 1"	48.3	33.4	3.68	3.68	5.08	5.08	7.14	3.38	3.38	4.55	4.55	6.35	63.5	0.22	0.22	0.30	0.30	0.38
1 1/2" x 3/4"	48.3	26.7	3.68	3.68	5.08	5.08	7.14	2.87	2.87	3.91	3.91	5.56	63.5	0.21	0.21	0.27	0.27	0.35
2" x 1 1/2"	60.3	48.3	3.91	3.91	5.54	5.54	8.74	3.68	3.68	5.08	5.08	7.14	76.2	0.38	0.38	0.51	0.51	0.75
2" x 1 1/4"	60.3	42.2	3.91	3.91	5.54	5.54	8.74	3.56	3.56	4.85	4.85	6.35	76.2	0.36	0.36	0.48	0.48	0.70
2" x 1"	60.3	33.4	3.91	3.91	5.54	5.54	8.74	3.38	3.38	4.55	4.55	6.35	76.2	0.33	0.33	0.44	0.44	0.64
2 1/2" x 2"	73.0	60.3	5.16	5.16	7.01	7.01	9.53	3.91	3.91	5.54	5.54	8.74	88.9	0.73	0.73	0.95	0.95	1.20
2 1/2" x 1 1/2"	73.0	48.3	5.16	5.16	7.01	7.01	9.53	3.68	3.68	5.08	5.08	7.14	88.9	0.67	0.67	0.87	0.87	1.08
2 1/2" x 1 1/4"	73.0	42.2	5.16	5.16	7.01	7.01	9.53	3.56	3.56	4.85	4.85	6.35	88.9	0.64	0.64	0.83	0.83	1.02
3" x 2 1/2"	88.9	73.0	5.49	5.49	7.62	7.62	11.13	5.16	5.16	7.01	7.01	9.53	101.6	0.94	0.94	1.25	1.25	1.71
3" x 2"	88.9	60.3	5.49	5.49	7.62	7.62	11.13	3.91	3.91	5.54	5.54	8.74	101.6	0.85	0.85	1.13	1.13	1.57
3" x 1 1/2"	88.9	48.3	5.49	5.49	7.62	7.62	11.13	3.68	3.68	5.08	5.08	7.14	101.6	0.79	0.79	1.04	1.04	1.44
4" x 3"	114.3	88.9	6.02	6.02	8.56	8.56	13.49	5.49	5.49	7.62	7.62	11.13	101.6	1.45	1.45	2.02	2.02	3.00
4" x 2 1/2"	114.3	73.0	6.02	6.02	8.56	8.56	13.49	5.16	5.16	7.01	7.01	9.53	101.6	1.37	1.37	1.90	1.90	2.76
4" x 2"	114.3	60.3	6.02	6.02	8.56	8.56	13.49	3.91	3.91	5.54	5.54	8.74	101.6	1.27	1.27	1.76	1.76	2.58

Ediciones MAC - MMXIX

INSUMUND PERÚ
INSUMOS MINEROS INDUSTRIALES

* Fotos y medidas referenciales, sujetas a cambios sin previo aviso por parte del proveedor o fabricante.

REDUCCIÓN CONCÉNTRICA

MEDIDA	DIÁMETRO EXTERIOR		ESPESOR DE PARED T1					ESPESOR DE PARED T2					FINAL A FINAL	PESO APROX (Kg)				
	O.D. 1	O.D. 2	SCH STD	SCH 40	SCH XS	SCH 80	SCH 160	SCH STD	SCH 40	SCH XS	SCH 80	SCH 160	H	SCH STD	SCH 40	SCH XS	SCH 80	SCH 160
5" x 4"	141.3	114.3	6.55	6.55	9.53	9.53	15.88	6.02	6.02	8.56	8.56	13.49	127.0	2.50	2.50	3.52	3.52	5.59
5" x 3"	141.3	88.9	6.55	6.55	9.53	9.53	15.88	5.49	5.49	7.62	7.62	11.13	127.0	2.27	2.27	3.18	3.18	5.30
5" x 2 1/2"	141.3	73.0	6.55	6.55	9.53	9.53	15.88	5.16	5.16	7.01	7.01	9.53	127.0	2.16	2.16	3.02	3.02	4.70
6" x 5"	168.3	141.3	7.11	7.11	10.97	10.97	18.26	6.55	6.55	9.53	9.53	15.88	139.7	3.57	3.57	5.38	5.38	8.63
6" x 4"	168.3	114.3	7.11	7.11	10.97	10.97	18.26	6.02	6.02	8.56	8.56	13.49	139.7	3.30	3.30	4.96	4.96	7.88
6" x 3"	168.3	88.9	7.11	7.11	10.97	10.97	18.26	5.49	5.49	7.62	7.62	11.13	139.7	3.04	3.04	4.56	4.56	7.21
8" x 6"	219.1	168.3	8.18	8.18	12.70	12.70	23.01	7.11	7.11	10.97	10.97	18.26	152.4	5.71	5.71	8.63	8.63	15.0
8" x 5"	219.1	141.3	8.18	8.18	12.70	12.70	23.01	6.55	6.55	9.53	9.53	15.88	152.4	5.40	5.40	8.14	8.14	14.0
8" x 4"	219.1	114.3	8.18	8.18	12.70	12.70	23.01	6.02	6.02	8.56	8.56	13.49	152.4	5.10	5.10	7.68	7.68	13.1
10" x 8"	273.1	219.1	9.27	9.27	12.70	15.09	28.58	8.18	8.18	12.70	12.70	23.01	177.8	9.58	9.58	15.4	15.4	27.5
10" x 6"	273.1	168.3	9.27	9.27	12.70	15.09	28.58	7.11	7.11	10.97	10.97	18.26	177.8	8.78	8.78	14.2	14.2	25.1
10" x 5"	273.1	141.3	9.27	9.27	12.70	15.09	28.58	6.55	6.55	9.53	9.53	15.88	177.8	8.42	8.42	13.5	13.5	23.9
10" x 4"	273.1	114.3	9.27	9.27	12.70	15.09	28.58	6.02	6.02	8.56	8.56	13.49	177.8	8.05	8.05	10.17	10.17	22.7
12" x 10"	323.9	273.1	9.53	10.31	12.70	17.48	33.32	9.27	9.27	9.27	12.70	28.58	203.2	15.20	14.7	19.80	24.8	44.6
12" x 8"	323.9	219.1	9.53	10.31	12.70	17.48	33.32	8.18	8.18	12.70	12.70	23.01	203.2	14.60	13.7	19.10	22.7	41.0
12" x 6"	323.9	168.3	9.53	10.31	12.70	17.48	33.32	7.11	7.11	10.97	10.97	18.26	203.2	14.10	12.8	18.40	21.4	38.0
14" x 12"	355.6	323.9	9.53	11.13	12.70	19.05	35.71	9.53	10.31	12.70	17.48	33.32	330.2	28.80	29.5	37.70	49.8	88.5
14" x 10"	355.6	273.1	9.53	11.13	12.70	19.05	35.71	9.27	9.27	12.70	15.09	28.58	330.2	27.40	27.4	36.10	46.1	81.6
14" x 8"	355.6	219.1	9.53	11.13	12.70	19.05	35.71	8.18	8.18	12.70	12.70	23.01	330.2	26.00	25.4	34.90	42.2	74.7
16" x 14"	406.4	355.6	9.53	12.70	12.70	21.44	40.49	9.53	11.13	12.70	19.05	35.71	355.6	35.20	41.1	46.30	67.7	121
16" x 12"	406.4	323.9	9.53	12.70	12.70	21.44	40.49	9.53	10.31	12.70	17.48	33.32	355.6	34.30	39.2	45.00	65.0	116
16" x 10"	406.4	273.1	9.53	12.70	12.70	21.44	40.49	9.27	9.27	12.70	15.09	28.58	355.6	33.10	36.8	43.70	60.8	108
18" x 16"	457.2	406.4	9.53	14.27	12.70	23.83	45.24	9.53	12.70	12.70	21.44	40.49	381.0	40.5	56.2	51.5	91.4	165
18" x 14"	457.2	355.6	9.53	14.27	12.70	23.83	45.24	9.53	11.13	12.70	19.05	35.71	381.0	38.12	53.0	48.5	86.4	155
18" x 12"	457.2	323.9	9.53	14.27	12.70	23.83	45.24	9.53	10.31	12.70	17.48	33.32	381.0	36.7	51.0	46.6	83.0	149
20" x 18"	508.0	457.2	9.53	15.09	12.70	26.19	50.01	9.53	14.27	12.70	23.83	45.24	508.0	60.4	88.4	76.70	150	-
20" x 16"	508.0	406.4	9.53	15.09	12.70	26.19	50.01	9.53	12.70	12.70	21.44	40.49	508.0	57.2	83.9	72.67	142	-
20" x 14"	508.0	355.6	9.53	15.09	12.70	26.19	50.01	9.53	11.13	12.70	19.05	35.71	508.0	54.1	79.6	68.70	136	-
22" x 20"	558.8	508.0	9.53	-	12.70	28.58	53.98	9.53	15.09	12.70	26.19	50.01	508.0	66.8	-	84.80	181	-
22" x 18"	558.8	457.2	9.53	-	12.70	28.58	53.98	9.53	14.27	12.70	23.83	45.24	508.0	63.6	-	80.8	172	-
22" x 16"	558.8	406.4	9.53	-	12.70	28.58	53.98	9.53	12.70	12.70	21.44	40.49	508.0	60.4	-	76.7	164	-
24" x 22"	609.6	558.8	9.53	17.48	12.70	30.96	59.54	9.53	-	12.70	28.58	53.98	508.0	73.2	-	93.0	91.0	215
24" x 20"	609.6	508.0	9.53	17.48	12.70	30.96	59.54	9.53	15.09	12.70	26.19	50.01	508.0	70.0	119	88.9	87.3	206
24" x 18"	609.6	457.2	9.53	17.48	12.70	30.96	59.54	9.53	14.27	12.70	23.83	45.24	508.0	66.8	114	84.8	83.8	197

* Fotos y medidas referenciales, sujetas a cambios sin previo aviso por parte del proveedor o fabricante.

Ediciones MAC - MMXIX