

REDUCTOR CONCÉNTRICO Y REDUCTOR EXCÉNTRICO

DIÁMETRO NOMINAL

PESO APROXIMADO KG/PZA

in	CÉDULA STD	CÉDULA 40	CÉDULA XS	CÉDULA 80	CÉDULA XXS	CÉDULA 160
¾ x ½	0.06	0.06	0.08	0.08		
1 x ¾	0.12	0.12	0.15	0.15	0.25	0.19
1 x ½	0.11	0.11	0.14	0.14	0.22	0.17
1¼ x 1	0.16	0.16	0.21	0.21	0.35	0.25
1¼ x ¾	0.15	0.15	0.19	0.19	0.31	0.23
1¼ x ½	0.14	0.14	0.18	0.18		
1½ x 1¼	0.25	0.25	0.33	0.33	0.57	0.43
1½ x 1	0.22	0.22	0.30	0.30	0.50	0.38
1½ x ¾	0.21	0.21	0.27	0.27	0.45	0.35
1½ x ½	0.18	0.18	0.24	0.24	0.40	0.32
2 x 1½	0.38	0.38	0.51	0.51	0.91	0.75
2 x 1¼	0.36	0.36	0.48	0.48	0.85	0.70
2 x 1	0.33	0.33	0.44	0.44	0.77	0.64
2 x ¾	0.30	0.30	0.40	0.40	0.69	0.58
2½ x 2	0.73	0.73	0.95	0.95	1.68	1.20
2½ x 1½	0.67	0.67	0.87	0.87	1.51	1.08
2½ x 1¼	0.64	0.64	0.83	0.83	1.42	1.02
2½ x 1	0.56	0.56	0.73	0.73	1.23	0.93
3 x 2½	0.94	0.94	1.25	1.25	2.25	1.71
3 x 2	0.85	0.85	1.13	1.13	2.01	1.57
3 x 1½	0.79	0.79	1.04	1.04	1.83	1.44
3 x 1¼	0.75	0.75	1.00	1.00	1.74	1.37
4 x 3	1.45	1.45	2.02	2.02	3.65	3.00
4 x 2½	1.37	1.37	1.90	1.90	3.41	2.76
4 x 2	1.27	1.27	1.76	1.76	3.11	2.58
4 x 1½	1.19	1.19	1.64	1.64	2.89	2.41
5 x 4	2.50	2.50	3.52	3.52	6.47	5.59
5 x 3	2.27	2.27	3.18	3.18	5.78	5.30
5 x 2½	2.16	2.16	3.02	3.02	5.46	4.70
5 x 2	2.03	2.03	2.85	2.85	5.12	4.43
6 x 5	3.57	3.57	5.38	5.38	9.89	8.63
6 x 4	3.30	3.30	4.96	4.96	8.98	7.88
6 x 3	3.04	3.04	4.56	4.56	8.21	7.21
6 x 2½	2.94	2.94	4.38	4.38	7.88	6.80
8 x 6	5.71	5.71	8.36	8.36	14.30	15.00
8 x 5	5.40	5.40	8.14	8.14	13.40	14.00
8 x 4	5.10	5.10	7.68	7.68	12.60	13.10
10 x 8	9.58	9.58	12.90	15.40	24.30	27.50
10 x 6	8.78	8.78	11.80	14.20	22.10	25.10
10 x 5	8.42	8.42	11.30	14.50	21.10	23.90
10 x 4	8.20	8.20	11.00	14.00	20.50	22.60
12 x 10	13.60	14.70	18.00	24.80	35.00	44.60
12 x 8	12.70	13.70	16.70	22.70	33.00	41.00

PESOS & DIMENSIONES



REDUCTOR CONCÉNTRICO Y REDUCTOR EXCÉNTRICO

DIÁMETRO NOMINAL

PESO APROXIMADO KG/PZA

in	CÉDULA STD	CÉDULA 40	CÉDULA XS	CÉDULA 80	CÉDULA XXS	CÉDULA 160
12 x 6	11.80	12.80	15.60	21.40	32.00	38.00
12 x 5	11.70	12.60	15.30	20.60	31.00	36.40
14 x 12	25.40	29.50	33.60	49.80		88.50
14 x 10	23.60	27.40	31.20	46.10		81.60
14 x 8	21.80	25.40	28.90	42.20		74.70
14 x 6	20.30	23.60	26.80	39.10		68.30
16 x 14	31.00	41.10	41.10	67.70		121.00
16 x 12	29.60	39.20	39.20	65.00		116.00
16 x 10	27.80	36.80	36.80	60.80		108.00
16 x 8	26.20	34.50	34.50	56.60		99.90
18 x 16	37.80	56.20	50.10	91.40		165.00
18 x 14	35.70	53.00	47.40	86.40		155.00
18 x 12	33.20	51.70	44.00	83.00		149.00
18 x 10	32.70	48.40	43.20	78.50		140.00
20 x 18	56.40	88.40	74.90	150.00		
20 x 16	53.50	83.90	71.10	142.00		
20 x 14	50.80	79.60	67.40	136.00		233.00
20 x 12	49.20	76.90	65.10	130.00		
22 x 20	62.40	98.00	82.90	181.00		
22 x 18	59.40	93.20	78.90	172.00		
22 x 16	56.40	88.40	74.80	164.00		
22 x 14	54.30	83.60	72.10	156.00		
24 x 22	68.40	124.00	91.00	215.00		
24 x 20	65.70	119.00	87.30	206.00		
24 x 18	63.00	114.00	83.80	197.00		
24 x 16	60.50	109.00	80.30	185.00		
26 x 24	89.40	162.00	119.00			
26 x 22	85.80	155.00	114.00			
26 x 20	82.10	148.00	109.00			
26 x 18	79.50	142.00	106.00			
28 x 26	96.60	175.00	129.00			
28 x 24	93.00	168.00	124.00			
28 x 22	89.40	162.00	119.00			
28 x 20	88.80	155.00	115.00			
30 x 28	104.00	188.00	138.00			
30 x 26	100.00	182.00	133.00			
30 x 24	96.60	175.00	129.00			
30 x 22	94.20	168.00	125.00			
32 x 30	111.00	202.00	148.00			
32 x 28	108.00	195.00	143.00			
32 x 26	104.00	188.00	138.00			
32 x 24	102.00	184.00	135.00			
34 x 32	118.00	215.00	158.00			
34 x 30	115.00	208.00	153.00			
34 x 28	111.00	205.00	148.00			
34 x 26	109.00	200.00	145.00			
36 x 34	125.60	250.00	167.30			
36 x 32	122.00	243.00	162.40			
36 x 30	118.40	238.00	157.60			
36 x 28	114.70	234.00	152.80			

COMPOSICIÓN QUÍMICA %MÁXIMO														
MATERIAL	C	Mn	P	S	Si	Cr	Mo	Ni	Cu	V	Cb	Ti	Al	CEDENCIA MÁXIMA
ASTM A-234 WPB	0.300	0.29-1.06	0.050	0.058	0.010 MIN	0.400	0.150	0.400	0.400	0.080	0.020			
ASTM A-234 WPC	0.350	0.29-1.06	0.050	0.058	0.010 MIN	0.400	0.150	0.400	0.400	0.080	0.020			
ASTM A-420 WPL6	0.300	0.60-1.35	0.035	0.040	0.19-0.30	0.300	0.120	0.400	0.400	0.050	0.020			
ASTM A-860 WPHY-52	0.200	1.01-1.45	0.030	0.010	0.15-0.40	0.300	0.250	0.500	0.350	0.100	0.040	0.050	0.060	0.42
MSS WPHY-52/60/65/70	0.300	1.600	0.050	0.060	0.500	0.250	0.250	1.000	1.500	0.130	0.100			0.45



REDUCTOR CONCÉNTRICO Y REDUCTOR EXCÉNTRICO

DIÁMETRO NOMINAL in	PESO APROXIMADO KG/PZA					
	CÉDULA STD	CÉDULA 40	CÉDULA XS	CÉDULA 80	CÉDULA XXS	CÉDULA 160
40 x 38	140.00		187.00			
40 x 36	137.00		182.00			
40 x 34	133.00		177.00			
40 x 32	131.00		174.00			
42 x 40	147.00		196.00			
42 x 38	144.00		192.00			
42 x 36	140.00		187.00			
42 x 34	138.00		184.00			
44 x 42	155.00		206.00			
44 x 40	151.00		201.00			
44 x 38	147.00		196.00			
44 x 36	146.00		194.00			
46 x 44	189.00		252.00			
46 x 42	185.00		246.00			
46 x 40	180.00		241.00			
46 x 38	178.00		237.00			
48 x 46	197.00		263.00			
48 x 44	193.00		257.00			
48 x 42	189.00		252.00			
48 x 40	186.000		248.00			



PROPIEDADES MECÁNICAS

MATERIAL	TENSIÓN Ksi (Mpa)	CEDENCIA Ksi (Mpa)	ELONGACIÓN RECT. SPE	NOTCH TGH AVG/MIN FT-LB (J)	PRUEBA DE IMPACTO °F (°C)	TRATAMIENTO TÉCNICO
ASTM A-234 WPB	60-85 (415-585)	35 (240)	30	N/A	N/A	N/A**
ASTM A-234 WPC	70-95 (485-655)	40 (275)	30	N/A	N/A	N/A**
ASTM A-420 WPL6	60-85 (415-585)	35 (240)	30	13/10 (17.6/13.6)	-50 (-46)	Se requiere
ASTM A-860 WPHY-52	66 (455)	52 (360)	32	30/25 (40/34)	-50 (-46)	Se requiere
MSS WPHY-52	66	52	25	20	+20 °F	Se requiere
MSS WPHY-60	75	60	20	20	+20 °F	Se requiere
MSS WPHY-65	77	65	20	20	+20 °F	Se requiere
MSS WPHY-70	82	70	18	20	+20 °F	Se requiere