

Tubos fabricados en lámina de acero Cold Rolled (CR). Su bajo contenido de carbono permite una mejor maleabilidad y soldabilidad, haciéndolos aptos para cualquier trabajo que implique deformaciones plásticas. Su acabado mate u opaco, facilita los procesos de pintura, cromado y galvanizado.

Son utilizados para todo tipo de estructuras metálicas livianas como estanterías, equipos de gimnasio, juguetería, portaequipajes, ornamentación, muebles metálicos, rejas para puertas, pupitres, bicicletas, sustitutos de madera para mangos de cepillos, escobas y trapeadores.



ESPECIFICACIONES TÉCNICAS

Pruebas de producto:

- Abocardado Norma Técnica Colombiana NTC 103.
- Aplastamiento Norma Técnica Colombiana NTC 42.

Acero según norma:

• ASTM A424, JIS G 3141, SAE 1006-1008 u otras normas contempladas en la NTC 2842.

Norma de fabricación:

NTC 2842 – ASTM A 513.

Tolerancias:

- Longitud: 0mm + 10mm.
- Dimensión: según norma NTC 2842.
- Espesor: según norma ASTM A568.

Longitud estándar:

• 6.0 metros / 12 metros / Para medidas especiales consulte su asesor de confianza.

TUBERÍA COLD ROLLED EN LA COTIDIANIDAD





Diémetro ext.					
**3/8" 9.53			Calibre*		
**3/8" 9.53			24	0.60	0.424
**3/8" 9.53					
** 3/8" 9.53					
100			22		
1.00	** 3/8"	9.53			
1.10			20		
18					
1/2" 12.70 22 0.80 1.102 1.286 0.75 1.378 1.378 1.221 0.85 1.521 1.00 1.790 1.100 1.790 1.100 1.790 1.100 1.790 1.100 1.790 1.100 1.286 1.250 1.100 1.250 1.100 1.250 1.100 1.250 1.100 1.250 1.100 1.25			18		
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1/2" 12.70 20			23		
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1,00	1/2"	12.70	20		
1.10	1/2	12.70	20		
1.40			ı		
16			18		
24					
15.88					
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7/8" 22				0.70	2.242
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18 1.20 4.465 1.40 5.143 16 1.50 5.511	'	25.70			
1.40 5.143 16 1.50 5.511			10		
16 1.50 5.511			18		
			16		
14 1.90 6.891					6.891



Diámetro ext. (pulg.)	Diámetro ext. (mm)	Calibre*	Espesor (mm)	Peso teórico tubo (kg)
		24	0.60	2.543
		23	0.70	2.934
			0.75	3.144
	1	22	0.80	3.354
			0.85	3.524
1 1/8"	28.57	20	0.90	3.730
1 1/6	20.57		1.00	4.145
			1.10	4.559
		18	1.20	4.974
		l	1.40	5.737
		16	1.50	6.147
		14 24	1.90 0.60	7.786 2.854
		23	0.70	3.297
		20	0.75	3.497
		22	0.80	3.730
			0.85	3.923
1 1/4"	31.75	20	0.90	4.154
11/4	31./3		1.00	4.616
			1.10	5.026
		18	1.20	5.482
		1.0	1.40	6.330
		16 14	1.50 1.90	6.782 8.591
		24	0.60	3.391
		23	0.70	3.956
			0.75	4.239
		22	0.80	4.522
			0.85	4.764
1 1/2"	38.10	20	0.90	5.044
			1.00 1.10	5.558 6.114
		18	1.20	6.669
		"	1.40	7.715
		16	1.50	8.266
		14	1.90	10.470
			0.85	5.365
		20	0.90	5.680
			1.00	6.311
1.663"	42.20	18	1.10 1.20	6. 943 7.574
		'0	1.40	8.770
		16	1.50	9.396
		14	1.90	11.813
			0.75	5.405
		22	0.80	5.765
			0.85	6.125
		20	0.90	6.486
1.90"	48.26		1.00 1.10	7.159 7.875
		18	1.20	8.591
		"	1.40	9.891
		16	1.50	10.598
	Ļ	14	1.90	13.424
			0.85	6.446
		20	0.90	6.825
			1.00 1.10	7.583 8.341
2"	50.80	18	1.20	9.100
		"	1.40	10.484
		16	1.50	11.233
		14	1.90	14.229
		22	0.80	7.159
		20	0.85	7.567
		20	0.90 1.00	8.012 8.902
2.36"	59.94		1.10	9.740
	33.54	18	1.20	10.626
			1.40	12.199
		16	1.50	13.070
	1	14	1.90	16.556
		22	0.80	7.649
		20	0.85 0.90	8.047 8.520
		20	1.00	9.467
2 1/2"	63.50		1.10	10.362
		18	1.20	11.304
			1.40	13.056
		16	1.50	13.989
		14	1.90	17.630



Diámetro ext. (pulg.)	Diámetro ext. (mm)	Calibre*	Espesor (mm)	Peso teórico tubo (kg)
		22	0.80	8.704
			0.85	9.248
		20	0.90	9.792
			1.00	10.880
2.875"	73.03	1	1.10	11.968
		18	1.20	13.056
			1.40	15.166
		16	1.50	16.250
		14	1.90	20.583
		22	0.80	9.194
			0.85	9.729
		20	0.90	10.301
		1	1.00	11.445
3″	76.20		1.10	12.538
		18	1.20	13.678
			1.40	15.694
		16	1.50	16.815
		14	1.90	21.299

TUBOS CUADRADOS COLD ROLLED

Diámetro ext. (pulg.)	Diámetro ext. (mm)	Calibre*	Espesor (mm)	Peso teórico tubo (kg)
		24	0.60	1.441
		23	0.70	1.616
			0.75	1.696
		22	0.80	1.809
			0.85	1.922
1/2" x 1/2"	12.7 x 12.7	20	0.90	2.035
			1.00	2.261
			1.10	2.435
		18	1.20	2.656
			1.40	3.099
		16	1.50	3.321
		23	0.70	2.407
	l		0.75	2.579
	l	22	0.80	2.751
	l		0.85	2.923
	l	20	0.90	3.094
3/4" x 3/4	19.05 x 19.05		1.00	3.438
		1	1.10	3.782
		18	1.20	4.126
		"	1.40	4.616
		16	1.50	4.946
	l	14	1.90	6.264
		24	0.60	2.854
		23	0.70	3.297
			0.75	3.497
		22	0.80	3.730
			0.85	3.923
1" 1"	354354	20	0.90	4.154
1" x 1"	25.4 x 25.4		1.00	4.616
		1	1.10	5.026
		18	1.20	5.482
			1.40	6.330
		16	1.50	6.782
		14	1.90	8.591
			0.75	4.133
		22	0.80	4.409
			0.85	4.684
		20	0.90	4.960
	30 x 30		1.00	5.511
	30 X 30	1	1.10	5.958
		18	1.20	6.500
			1.40	7.385
		16	1.50	7.913
		14	1.90	9.844



Diámetro ext. (pulg.)	Diámetro ext. (mm)	Calibre*	Espesor (mm)	Peso teórico tubo (kg)
		23	0.70	5.011
			0.75	5.369
		22	0.80	5.727
			0.85	6.085
		20	0.90	6.443
1 1/2" x 1 1/2"	38.1 x 38.1		1.00	7.159
		1	1.10	7.875
		18	1.20	8.591
			1.40	9.759
		16	1.50	10.456
		14	1.90	13.245
			0.85	6.406
		20	0.90	6.782
			1.00	7.536
	40 x 40	1	1.10	8.290
	40 x 40	18	1.20	9.043
		1	1.40	10.418
		16	1.50	11.163
		14	1.90	13.960
		22	0.80	7.649
			0.85	8.127
		20	0.90	8.605
			1.00	9.561
2" x 2"	50.80 x 50.80		1.10	10.258
		18	1.20	11.191
			1.40	12.924
		16	1.50	13.847
		14	1.90	17.451

TUBOS RECTANGULARES COLD ROLLED

Diámetro ext. (pulg.)	Diámetro ext. (mm)	Calibre*	Espesor (mm)	Peso teórico tubo (kg)
			0.85	2.602
	20 x 14	20	0.90	2.755
			1.00	3.062
		23	0.70	2.407
			0.75	2.579
		22	0.80	2.751
			0.85	2.923
1" x 1/2"	25.4 x 12.7	20	0.90	3.094
			1.00	3.438
		1.0	1.10 1.20	3.782 4.126
		18	1.40	4.616
		16	1.50	4.946
		10	0.75	3,533
		22	0.80	3.768
			0.85	4.004
		20	0.90	4.239
			1.00	4.710
	32 x 18		1.10	5.129
		18	1.20	5.595
			1.40	6.528
		16	1.50	6.994
		14	1.90	8.770
			0.85	4.204
		20	0.90	4.451
			1.00	4.946
	40 x 12.7	١	1.10	5.440
		18	1.20	5.935
		16	1.40 1.50	6.858 7.348
		23	0.70	3.890
		43	0.75	4.168
		22	0.80	4.446
		**	0.85	4.724
		20	0.90	5.002
	40 x 20		1.00	5.558
		I	1.10	6.114
		18	1.20	6.669
			1.40	7.715
		16	1.50	8.266
		14	1.90	10.470



Diámetro ext. (pulg.)	Diámetro ext. (mm) 40 x 25 50 x 15 50 x 30	20 18 16 20 18 16 20 18 16 16 20 18 16 20 18	0.85 0.90 1.00 1.10 1.20 1.40 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 1.10 1.20 1.40 1.50 1.10 1.20 1.40 1.50 1.10 1.20 1.40 1.50 1.90 0.85	Peso teórico tubo (kg) 5.325 5.638 6.217 6.839 7.461 8.506 9.114 5.285 5.595 6.217 6.839 7.461 8.506 9.114 9.538 6.406 6.782 7.536 8.290 9.043 10.418 11.163 13.960 7.246 7.673 8.525
	50 x 15 50 x 20 50 x 30	18 16 20 18 16 16 20 18 16 11 20 18 16 14 20	0.90 1.00 1.10 1.20 1.40 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 1.90 0.85 0.90 1.00	5.638 6.217 6.839 7.461 8.506 9.114 5.285 5.595 6.217 6.839 7.461 8.506 9.114 9.538 6.406 6.782 7.536 8.290 9.043 10.418 11.163 13.960 7.246 7.673 8.525
	50 x 15 50 x 20 50 x 30	18 16 20 18 16 16 20 18 16 11 20 18 16 14 20	0.90 1.00 1.10 1.20 1.40 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 1.90 0.85 0.90 1.00	5.638 6.217 6.839 7.461 8.506 9.114 5.285 5.595 6.217 6.839 7.461 8.506 9.114 9.538 6.406 6.782 7.536 8.290 9.043 10.418 11.163 13.960 7.246 7.673 8.525
	50 x 15 50 x 20 50 x 30	18 16 20 18 16 16 20 18 16 11 20 18 16 14 20	1.00 1.10 1.20 1.40 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 1.90 0.85 0.90 1.00	6.217 6.839 7.461 8.506 9.114 5.285 5.595 6.217 6.839 7.461 8.506 9.114 9.538 6.406 6.782 7.536 8.290 9.043 10.418 11.163 13.960 7.246 7.673 8.525
	50 x 15 50 x 20 50 x 30	16 20 18 16 16 20 18 16 14 20	1.10 1.20 1.40 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 1.90 0.85 0.90 1.00	6.839 7.461 8.506 9.114 5.285 5.595 6.217 6.839 7.461 8.506 9.114 9.538 6.406 6.782 7.536 8.290 9.043 10.418 11.163 13.960 7.246 7.673 8.525
	50 x 15 50 x 20 50 x 30	16 20 18 16 16 20 18 16 14 20	1.20 1.40 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 0.85 0.90 1.00 1.150 0.85 0.90 1.00 1.10 1.20 1.40 1.50 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 1.90 0.85 0.90 1.00	7.461 8.506 9.114 5.285 5.595 6.217 6.839 7.461 8.506 9.114 9.538 6.406 6.782 7.536 8.290 9.043 10.418 11.163 13.960 7.246 7.673 8.525
	50 x 20 50 x 30	20 18 16 16 20 18 16 14 20	1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 1.90 0.85 0.90 1.00	9.114 5.285 5.595 6.217 6.839 7.461 8.506 9.114 9.538 6.406 6.782 7.536 8.290 9.043 10.418 11.163 13.960 7.246 7.673 8.525
	50 x 20 50 x 30	20 18 16 16 20 18 16 14 20	0.85 0.90 1.00 1.10 1.20 1.40 1.50 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 1.90 0.85 0.90	5.285 5.595 6.217 6.839 7.461 8.506 9.114 9.538 6.406 6.782 7.536 8.290 9.043 10.418 11.163 13.960 7.246 7.673 8.525
	50 x 20 50 x 30	18 16 16 20 18 16 14 20	0.90 1.00 1.10 1.20 1.40 1.50 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 1.90 0.85 0.90 1.00	5.595 6.217 6.839 7.461 8.506 9.114 9.538 6.406 6.782 7.536 8.290 9.043 10.418 11.163 13.960 7.246 7.673 8.525
	50 x 20 50 x 30	18 16 16 20 18 16 14 20	1.00 1.10 1.20 1.40 1.50 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 1.90 0.85 0.90	6.217 6.839 7.461 8.506 9.114 9.538 6.406 6.782 7.536 8.290 9.043 10.418 11.163 13.960 7.246 7.673 8.525
	50 x 20 50 x 30	16 16 20 18 16 14 20	1.10 1.20 1.40 1.50 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 0.85 0.90 1.00 1.10 0.85 0.90 1.00	6.839 7.461 8.506 9.114 9.538 6.406 6.782 7.536 8.290 9.043 10.418 11.163 13.960 7.246 7.673 8.525
	50 x 20 50 x 30	16 16 20 18 16 14 20	1.20 1.40 1.50 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 1.90 0.85 0.90 1.00	7.461 8.506 9.114 9.538 6.406 6.782 7.536 8.290 9.043 10.418 11.163 13.960 7.246 7.673 8.525
	50 x 30	16 16 20 18 16 14 20	1.40 1.50 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 1.90 0.85 0.90 1.00	8.506 9.114 9.538 6.406 6.782 7.536 8.290 9.043 10.418 11.163 13.960 7.246 7.673 8.525
	50 x 30	16 20 18 16 14 20	1.50 1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 1.90 0.85 0.90 1.00	9.114 9.538 6.406 6.782 7.536 8.290 9.043 10.418 11.163 13.960 7.246 7.673 8.525
	50 x 30	16 20 18 16 14 20	1.50 0.85 0.90 1.00 1.10 1.20 1.40 1.50 1.90 0.85 0.90 1.00	9.538 6.406 6.782 7.536 8.290 9.043 10.418 11.163 13.960 7.246 7.673 8.525
	50 x 30	20 18 16 14 20	0.85 0.90 1.00 1.10 1.20 1.40 1.50 1.90 0.85 0.90 1.00	6.406 6.782 7.536 8.290 9.043 10.418 11.163 13.960 7.246 7.673 8.525
		18 16 14 20	0.90 1.00 1.10 1.20 1.40 1.50 1.90 0.85 0.90 1.00	6.782 7.536 8.290 9.043 10.418 11.163 13.960 7.246 7.673 8.525
		18 16 14 20	1.00 1.10 1.20 1.40 1.50 1.90 0.85 0.90 1.00	7.536 8.290 9.043 10.418 11.163 13.960 7.246 7.673 8.525
		16 14 20	1.10 1.20 1.40 1.50 1.90 0.85 0.90 1.00	8.290 9.043 10.418 11.163 13.960 7.246 7.673 8.525
		16 14 20	1.20 1.40 1.50 1.90 0.85 0.90 1.00	9.043 10.418 11.163 13.960 7.246 7.673 8.525
	50 x 40	16 14 20	1.40 1.50 1.90 0.85 0.90 1.00	10.418 11.163 13.960 7.246 7.673 8.525
	50 x 40	20	1.50 1.90 0.85 0.90 1.00	11.163 13.960 7.246 7.673 8.525
	50 x 40	20	1.90 0.85 0.90 1.00	13.960 7.246 7.673 8.525
	50 x 40	20	0.85 0.90 1.00	7.246 7.673 8.525
	50 x 40		0.90 1.00	7.673 8.525
	50 x 40		1.00	8.525
	50 x 40	18	1.10	
	30 % 40	18		9.378
			1.20	10.230
			1.40	11.737
I		16	1.50	12.576
		14	1.90	15.571
		23	0.70	5.044
			0.75	5.405
		22	0.80	5.765 6.085
		20	0.85 0.90	6.443
2" x 1"	50.8 x 25.4	20	1.00	7.159
2 * 1	30.6 X 23.4		1.10	7.875
		18	1.20	8.591
		"	1.40	9.891
		16	1.50	10.598
		14	1.90	13.245
		18	1.20	10.118
	60 x 30	16	1.50	12.576
		14	1.90	15.929
			1.40	12.924
	60 x 40	16	1.50	13.847
		14	1.90	17.451
2.1/2/			1.40	12.924
2 1/2" x 1 1/2"	63.5 x 38.1	16	1.50	13.847
	=	14	1.90	17.451
	76 x 19	16	1.50	13.282
I		22	0.80	7.649
I			0.85	8.127
I		20	0.90	8.605
3" x 1"	76.2 x 25.4		1.00 1.10	9.561 10.414
I		18	1.20	11.304
I		10	1.40	13.188
I		16	1.50	14.130
		22	0.80	8.591
I			0.85	9.128
I		20	0.90	9.665
I			1.00	10.739
3" x 1 1/2"	76.2 x 38.1		1.10	11.813
I		18	1.20	12.887
I			1.40	14.902
I		16	1.50	15.967
		14	1.90	20.225
	00 40		1.40	15.694
	80 x 40	16	1.50	16.815
		14	1.90 1.00	21.299 12.99
		18	1.15	14.07
4" x 1 1/2"	100 x 38.1	16	1.50	18.7
		14	1.90	24.25



TUBOS OVALADOS COLD ROLLED

Diámetro ext. (pulg.)	Calibre*	Espesor (mm)	Peso teórico tubo (kg)
		0.75	2.791
	22	0.80	2.977
		0.85	3.163
	20	0.90	3.349
30 x 15		1.00	3.674
30 X 13		1.10	4.041
	18	1.20	4.409
		1.40	5.077
	16	1.50	5.440
	14	1.90	6.712
		0.85	7.967
	20	0.90	8.436
		1.00	9.373
72 x 41		1.10	10.258
	18	1.20	11.191
		1.40	13.056
	16	1.50	13.990

TUBOS ELÍPTICOS COLD ROLLED

Diámetro ext. (pulg.)	Calibre*	Espesor (mm)	Peso teórico tubo (kg)
	22	0.80	4.446
		0.85	4.724
	20	0.90	5.002
48 x 25.4		1.00	5.558
48 X 23.4		1.10	6.114
	18	1.20	6.669
		1.40	7.715
	16	1.50	8.266
	22	0.80	5.765
		0.85	6.085
	20	0.90	6.443
62 x 31		1.00	7.159
02 X 3 I		1.10	7.875
	18	1.20	8.591
		1.40	9.759
	16	1.50	10.456