

Descripción: Producto que se obtiene por Laminación en Caliente de un Tocho de Acero Estructural.

Usos:

ASTM A-53 Tubos para conducción de fluidos y gases en minería, petroquímica, pesca y en general.
 ASTM A-106 Tubos para servicio a altas temperaturas.
 API 5L Tubos para la industria petrolera.

Propiedades Mecánicas

| Norma Técnica | F | R | A | Norma Equivalente |
|-----------------|--------------------|--------------------|--------|-------------------|
| | Kg/mm ² | Kg/mm ² | % | |
| ASTM A-53 GR-A | 21 min | 34 min | 23 min | JIS G-3454 |
| ASTM A-53 GR-B | 25 min | 42 min | 18 min | JIS G-3454 |
| ASTM A-106 GR-B | 25 min | 42 min | 18 min | JIS G-3456 |
| API 5L B | 25 min | 42 min | 19 min | JIS G-3454 |

Dimensiones y peso unitario

| Diámetro Nominal | Diámetro exterior | | Schedule | Espesor de pared | Peso nominal | Presión de prueba | |
|------------------|-------------------|-------|----------|------------------|--------------|-------------------|-------|
| | pulg. | m.m. | | | | n° | m.m. |
| 3/8 | 0.675 | 17.1 | 40 | 2.31 | 0.84 | 700 | 49.2 |
| | | | 80 | 3.20 | 1.10 | 850 | 60.0 |
| 1/2 | 0.840 | 21.3 | 40 | 2.77 | 1.27 | 700 | 49.2 |
| | | | 80 | 3.73 | 1.62 | 850 | 60.0 |
| 3/4 | 1.050 | 26.7 | 40 | 2.87 | 1.69 | 700 | 49.2 |
| | | | 80 | 3.91 | 2.20 | 850 | 60.0 |
| 1 | 1.315 | 33.4 | 40 | 3.38 | 2.50 | 700 | 49.2 |
| | | | 80 | 4.55 | 3.24 | 850 | 60.0 |
| 1 1/4 | 1.660 | 42.2 | 40 | 3.56 | 3.39 | 1300 | 91.0 |
| | | | 80 | 4.85 | 4.47 | 1900 | 133.0 |
| 1 1/2 | 1.900 | 48.3 | 40 | 3.68 | 4.05 | 1300 | 91.0 |
| | | | 80 | 5.08 | 5.41 | 1900 | 133.0 |
| 2 | 2.375 | 60.3 | 40 | 3.91 | 5.44 | 2500 | 175.0 |
| | | | 80 | 5.54 | 7.48 | 2500 | 175.0 |
| 2 1/2 | 2.875 | 73.0 | 40 | 5.16 | 8.63 | 2500 | 175.0 |
| | | | 80 | 7.01 | 11.41 | 2500 | 175.0 |
| 3 | 3.500 | 88.9 | 40 | 5.49 | 11.29 | 2500 | 175.0 |
| | | | 80 | 7.62 | 15.27 | 2500 | 175.0 |
| 3 1/2 | 4.000 | 101.6 | 40 | 5.74 | 13.57 | 2370 | 166.0 |
| | | | 80 | 8.08 | 18.63 | 2800 | 196.0 |
| 4 | 4.500 | 114.3 | 40 | 6.02 | 16.07 | 2210 | 155.0 |
| | | | 80 | 8.56 | 22.32 | 2800 | 196.0 |
| 5 | 5.563 | 141.3 | 40 | 6.55 | 21.77 | 1950 | 137.0 |
| | | | 80 | 9.53 | 30.94 | 2800 | 196.0 |
| 6 | 6.625 | 168.3 | 40 | 7.11 | 28.26 | 1780 | 125.0 |
| | | | 80 | 10.97 | 42.56 | 2740 | 192.0 |
| 8 | 8.625 | 219.1 | 40 | 8.18 | 42.55 | 1570 | 110.0 |
| | | | 80 | 12.70 | 64.64 | 2430 | 170.0 |
| 10 | 10.750 | 273.0 | 40 | 9.27 | 60.29 | 1430 | 100.0 |
| | | | 80 | 15.09 | 95.97 | 2320 | 162.0 |
| | | | STD. | 9.27 | 60.31 | 1430 | 100.0 |
| 12 | 12.750 | 323.8 | 40 | 10.31 | 79.70 | 1340 | 94.0 |
| | | | 80 | 17.48 | 132.04 | 2270 | 159.0 |
| | | | STD. | 9.53 | 73.88 | 1240 | 87.0 |
| 14 | 14.000 | 355.6 | 40 | 11.13 | 94.55 | 1310 | 92.0 |
| | | | 80 | 19.05 | 158.10 | 2250 | 158.0 |
| | | | STD. | 9.53 | 81.33 | 1120 | 79.0 |
| 16 | 16.00 | 406.4 | 40 | 12.70 | 123.30 | 1310 | 92.0 |
| | | | 80 | 21.44 | 203.53 | 2220 | 156.0 |
| | | | STD. | 9.53 | 93.27 | 980 | 69.0 |
| 18 | 18.00 | 457.0 | 40 | 14.27 | 155.80 | 1210 | 92.0 |
| | | | 80 | 23.83 | 254.55 | 2190 | 154.0 |
| | | | STD. | 9.53 | 105.16 | 880 | 62.0 |
| 20 | 20.00 | 508.0 | 40 | 15.09 | 183.42 | 1250 | 88.0 |
| | | | 80 | 26.19 | 311.17 | 2170 | 152.0 |
| | | | STD. | 9.53 | 117.15 | 790 | 55.0 |

Notas:

- Esta Norma y/o Tabla corresponden a los Tubos ASTM A-53 Grados A y B con costura
- Longitud entre 5 a 7 mts
- Extremos planos y/o biselados

Fuente:

Catálogo Fierro Tradi S.A.