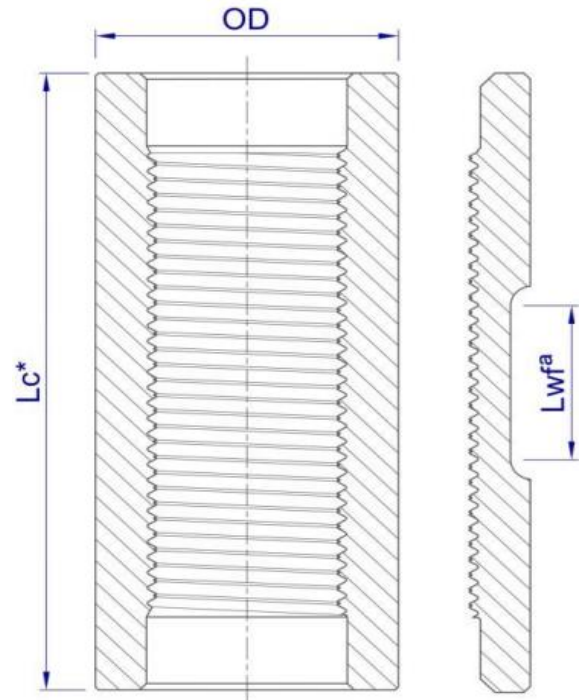


AlphaRod® API Polished Rod Coupling

Dimensions:

Full Size:

| Nominal Size | Units | OD | Lc* (min) | Lwfa | Weight |
|--------------|-------|-------|-----------|-------|------------|
| 5/8" | in | 1.500 | 4.000 | 1.252 | 1.17 lb |
| | mm | 38.1 | 101.6 | 31.8 | (0.530 kg) |
| 3/4" | in | 1.625 | 4.000 | 1.252 | 1.4 lb |
| | mm | 41.3 | 101.6 | 31.8 | (0.633 kg) |
| 7/8" | in | 1.811 | 4.000 | 1.252 | 1.72 lb |
| | mm | 46.0 | 101.6 | 31.8 | (0.781 kg) |
| 1" | in | 2.189 | 4.000 | 1.500 | 2.67 lb |
| | mm | 55.6 | 101.6 | 38.1 | (1.209 kg) |
| 1 1/8" | in | 2.375 | 4.500 | 1.500 | 3.29 lb |
| | mm | 60.3 | 114.3 | 38.1 | (1.494 kg) |



*Other lengths might be available.
 aWrench flats optional.

Slim Hole:

| Nominal Size | Units | OD | Lc* (min) | Lwfa | Weight |
|--------------|-------|-------|-----------|------|------------|
| 5/8" | in | 1.252 | 4.000 | - | 0.66 lb |
| | mm | 31.8 | 101.6 | - | (0.300 kg) |
| 3/4" | in | 1.500 | 4.000 | - | 1.05 lb |
| | mm | 38.1 | 101.6 | - | (0.478 kg) |
| 7/8" | in | 1.626 | 4.000 | - | 1.14 lb |
| | mm | 41.3 | 101.6 | - | (0.519 kg) |
| 1" | in | 2.000 | 4.000 | - | 1.95 lb |
| | mm | 50.8 | 101.6 | - | (0.883 kg) |
| 1 1/8" | in | 2.258 | 4.500 | - | 2.74 lb |
| | mm | 57.4 | 114.3 | - | (1.244 kg) |

Slim Hole Plus:

| Nominal Size | Units | OD | Lc* (min) | Lwfa | Weight |
|--------------|-------|-------|-----------|------|------------|
| 7/8" SH Plus | in | 1.705 | 4.000 | - | 1.48 lb |
| | mm | 43.3 | 101.6 | - | (0.670 kg) |
| 1" SH Plus | in | 2.090 | 4.000 | - | 2.31 lb |
| | mm | 53.1 | 101.6 | - | (1.050 kg) |

Steel Grades:

Chemical Composition:

Typical chemical compositions (wt%) listed in the following table.

| Grade | C | Mn | Si | S | P | Cr | Ni | Mo | Others |
|--------------|------|------|------|----------|----------|------|----------|-----|---------------------------------------|
| AlphaRod® CS | 0.23 | 0.55 | 0.25 | 0.01 max | 0.01 max | 0.95 | 0.30 max | 0.7 | B: 0.01 max, Ti: 0.1 max, Nb: 0.1 max |
| AlphaRod® HS | 0.23 | 0.55 | 0.25 | 0.01 max | 0.01 max | 0.95 | 0.30 max | 0.7 | B: 0.01 max, Ti: 0.1 max, Nb: 0.1 max |

Mechanical Properties:

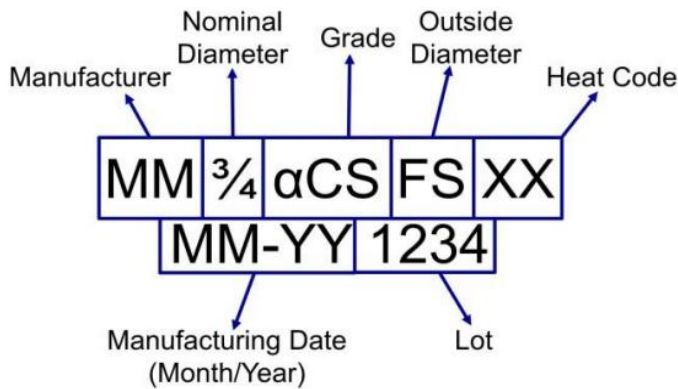
Mechanical properties are listed in the following table.

| Grade | Yield Strength | Ultimate Tensile Stress | Hardness |
|--------------|-------------------------------|--------------------------------------|-----------|
| AlphaRod® CS | Min 90 kpsi (Min 621 MPa) | 100 to 130 kpsi (689 to 896 MPa) | 20-28 HRC |
| AlphaRod® HS | Min 110 kpsi (Min 758 MPa) | 125 to 155 kpsi (862 to 1069 MPa) | 28-36 HRC |

Other Technical Data:

All the dimensions comply with API 11B, except for the OD in the 1 1/8" SH, 1" SH Plus and the 7/8" SH Plus couplings.

Marking:



Non Destructive Testing:

All raw material is carefully inspected using electromagnetic and/or ultrasonic methods to ensure the soundness of the final product.

Labeling:*

| | | | |
|-----------------|-----------------|---|--|
| | | Metalmecánica S.A. Ruta 55 Km. 754,1 Villa Mercedes (San Luis) Made in Argentina | |
| BOX N° | | 60000006 | |
| PRODUCT: | | | |
| SPECIFICATION: | | | |
| QTY: | DATE: | | |
| DIAM 1: (in) | DIAM 2: (in) | | |
| CLASS: | TYPE: | | |
| CLIENT: | | | |
| SALES ORDER: | | NET WEIGHT: (kg) | |
| DESTINATION: | | | |

*Image for reference only

Ordering Information:

When placing an order please attach the following information:

PDS: SRCPRAR
Coupling Type: Coupling
Nominal dimension: 1"
Size: Full Size
Grade: AlphaRod® HS

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