BOSSONG

# THREADED RODS

## TECHNICAL DATA SHEET



UPDATE 09-2026

## BF 4.8



Class 4.8 threaded rod (EN ISO 898) with 45° cut, including nut and washer.

| CODE | ITEM | Ø THREAD [mm] | LENGTH [mm] |
|---|---|---|---|
| 749006 | BF 4.8 6x100 | M6 | 100 |
| 749008 | BF 4.8 8x100 | M8 | 100 |
| 749010 | BF 4.8 10x115 | M10 | 115 |
| 749012 | BF 4.8 12x130 | M12 | 130 |
| 749016 | BF 4.8 16x150 | M16 | 150 |

## BF 8.8



Class 8.8 threaded rod (EN ISO 898), 90° cut, with nut and washer

| CODE | ITEM | Ø THREAD [mm] | LENGTH [mm] |
|---|---|---|---|
| 749001 | BF 8.8 6x100 | M6 | 100 |
| 749002 | BF 8.8 8x100 | M8 | 100 |
| 749032 | BF 8.8 8x150 | M8 | 150 |
| 749033 | BF 8.8 8x200 | M8 | 200 |
| 749003 | BF 8.8 10x115 | M10 | 115 |
| 749034 | BF 8.8 10x150 | M10 | 150 |
| 749035 | BF 8.8 10x200 | M10 | 200 |
| 749004 | BF 8.8 12x130 | M12 | 130 |
| 749036 | BF 8.8 12x160 | M12 | 160 |
| 749037 | BF 8.8 12x200 | M12 | 200 |
| 749038 | BF 8.8 12x250 | M12 | 250 |
| 749041 | BF 8.8 12x300 | M12 | 300 |
| 749042 | BF 8.8 14x150 | M14 | 150 |
| 749043 | BF 8.8 14x200 | M14 | 200 |
| 749005 | BF 8.8 16x150 | M16 | 150 |
| 749044 | BF 8.8 16x200 | M16 | 200 |
| 749045 | BF 8.8 16x250 | M16 | 250 |
| 749046 | BF 8.8 16x300 | M16 | 300 |
| 749047 | BF 8.8 20x250 | M20 | 250 |
| 749048 | BF 8.8 24x330 | M24 | 330 |
| 749049 | BF 8.8 30x400 | M30 | 400 |

## BF X2



A2 AISI 304 stainless steel threaded rod with 45° cut, nut, and washer

| CODE | ITEM | Ø THREAD [mm] | LENGTH [mm] |
|---|---|---|---|
| 749018 | BF X2 6x100 | M6 | 100 |
| 749020 | BF X2 8x100 | M8 | 100 |
| 749021 | BF X2 10x115 | M10 | 115 |
| 749022 | BF X2 12x130 | M12 | 130 |
| 749303 | BF X2 12x160 | M12 | 160 |
| 749023 | BF X2 16x150 | M16 | 150 |
| 749024 | BF X2 16x190 | M16 | 190 |

## BFL 4.8



1 m class 4.8 EN ISO 898 threaded rod

| CODE | ITEM | Ø THREAD [mm] | LENGTH [mm] |
|---|---|---|---|
| 744806 | BFL 4.8 6x1000 | M6 | 1000 |
| 744808 | BFL 4.8 8x1000 | M8 | 1000 |
| 744810 | BFL 4.8 10x1000 | M10 | 1000 |
| 744812 | BFL 4.8 12x1000 | M12 | 1000 |
| 744814 | BFL 4.8 14x1000 | M14 | 1000 |
| 744816 | BFL 4.8 16x1000 | M16 | 1000 |
| 744818 | BFL 4.8 18x1000 | M18 | 1000 |
| 744820 | BFL 4.8 20x1000 | M20 | 1000 |
| 744822 | BFL 4.8 22x1000 | M22 | 1000 |
| 744824 | BFL 4.8 24x1000 | M24 | 1000 |
| 744830 | BFL 4.8 30x1000 | M30 | 1000 |

## BFL 8.8



1 m class 8.8 EN ISO 898 threaded rod

| CODE | ITEM | Ø THREAD [mm] | LENGTH [mm] |
|---|---|---|---|
| 748806 | BFL 8.8 6x1000 | M6 | 1000 |
| 748808 | BFL 8.8 8x1000 | M8 | 1000 |
| 748810 | BFL 8.8 10x1000 | M10 | 1000 |
| 748812 | BFL 8.8 12x1000 | M12 | 1000 |
| 748814 | BFL 8.8 14x1000 | M14 | 1000 |
| 748816 | BFL 8.8 16x1000 | M16 | 1000 |
| 748818 | BFL 8.8 18x1000 | M18 | 1000 |
| 748820 | BFL 8.8 20x1000 | M20 | 1000 |
| 748822 | BFL 8.8 22x1000 | M22 | 1000 |
| 748824 | BFL 8.8 24x1000 | M24 | 1000 |
| 748827 | BFL 8.8 27x1000 | M27 | 1000 |
| 748830 | BFL 8.8 30x1000 | M30 | 1000 |
| 748836 | BFL 8.8 36x1000 | M36 | 1000 |

## BF X2



1m A2 AISI 304 stainless steel threaded rod

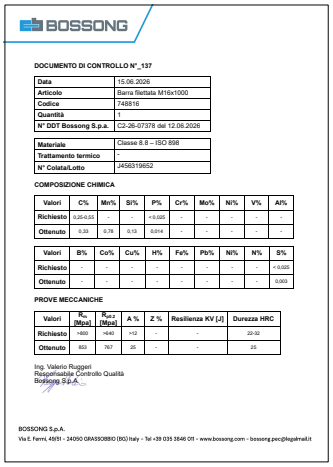
| CODE | ITEM | Ø THREAD [mm] | LENGTH [mm] |
|---|---|---|---|
| 740206 | BFL X2 6x1000 | M6 | 1000 |
| 740208 | BFL X2 8x1000 | M8 | 1000 |
| 740210 | BFL X2 10x1000 | M10 | 1000 |
| 740212 | BFL X2 12x1000 | M12 | 1000 |
| 740214 | BFL X2 14x1000 | M14 | 1000 |
| 740216 | BFL X2 16x1000 | M16 | 1000 |
| 740218 | BFL X2 18x1000 | M18 | 1000 |
| 740220 | BFL X2 20x1000 | M20 | 1000 |
| 740222 | BFL X2 22x1000 | M22 | 1000 |
| 740224 | BFL X2 24x1000 | M24 | 1000 |
| 740227 | BFL X2 27x1000 | M27 | 1000 |
| 740230 | BFL X2 30x1000 | M30 | 1000 |

# LOAD DATA

Minimum tensile failure loads for metric threaded rods made of galvanized steel (EN ISO 898) and stainless steel (ISO 3506)

| | Nu,s [kN] | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | **M6** | **M8** | **M10** | **M12** | **M14** | **M16** | **M18** | **M20** | **M22** | **M24** | **M27** | **M30** | **M36** |
| As,nom | 20,1 | 36,6 | 58,0 | 84,3 | 115,0 | 157,0 | 192,0 | 245,0 | 303,0 | 253,0 | 459,0 | 561,0 | 817,0 |
| 4.8 | 8,44 | 15,4 | 24,4 | 35,4 | 48,3 | 65,9 | 80,6 | 103,0 | 127,0 | 148,0 | 193,0 | 236,0 | 343,0 |
| 8.8 | 16,1 | 29,2 | 46,4 | 67,4 | 92,0 | 125,0 | 159,0 | 203,0 | 252,0 | 293,0 | 381,0 | 466,0 | 678,0 |
| A2-A4/70 | 14,0 | 25,6 | 40,6 | 59,0 | 80,5 | 109,9 | 134,4 | 171,5 | 212,1 | 247,1 | 321,3 | 392,7 | 571,9 |

Inspection document containing chemical and mechanical properties available upon request at the time of order.



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DOCUMENTO DI CONTROLLO N°_137

| | |
|---|---|
| Data | 15.06.2026 |
| Articolo | Barra filettata M16x1000 |
| Codice | 748816 |
| Quantità | 1 |
| N° DDT Bossong S.p.a. | C2-26-07378 del 12.06.2026 |

| | |
|---|---|
| Materiale | Classe 8.8 – ISO 898 |
| Trattamento termico | - |
| N° Colata/Lotto | J456319652 |

COMPOSIZIONE CHIMICA

| Valori | C% | Mn% | Si% | P% | Cr% | Mo% | Ni% | V% | Al% |
|---|---|---|---|---|---|---|---|---|---|
| Richiesto | 0,25-0,33 | - | - | < 0,025 | - | - | - | - | - |
| Ottenuto | 0,33 | 0,78 | 0,13 | 0,014 | - | - | - | - | - |

| Valori | B% | Co% | Cu% | H% | Fe% | Pb% | Ni% | N% | S% |
|---|---|---|---|---|---|---|---|---|---|
| Richiesto | - | - | - | - | - | - | - | - | < 0,025 |
| Ottenuto | - | - | - | - | - | - | - | - | 0,003 |

PROVE MECCANICHE

| Valori | $R_m$ [Mpa] | $R_{p0,2}$ [Mpa] | A % | Z % | Resilienza KV [J] | Durezza HRC |
|---|---|---|---|---|---|---|
| Richiesto | >800 | >640 | >12 | - | - | 22-32 |
| Ottenuto | 853 | 767 | 16 | - | - | 26 |

Ing. Valerio Ruggeri
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Bossong S.p.A.

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