

LET'S MOVE THE WORLD

INDUCTION
HARDENED
BARS AND TUBES

The logo for CMC Italia srl features the letters 'CMC' in a large, white, sans-serif font. A horizontal line is positioned above the 'C' and 'M', with a small circle centered above the 'C'. Below the 'C' and 'M', the word 'Italia srl' is written in a smaller, white, sans-serif font.

CMC Italia srl



9.

INDUCTION HARDENED BARS AND TUBES

C.M.C. ITALIA lavora e distribuisce tubi e barre per diversi settori, dallo scorrimento lineare all'oleodinamica, dalla pneumatica alla riparazione officine, fino al settore navale, oil&gas, movimento terra, agricolo e medicale.

Per rispondere alle esigenze dei clienti che costruiscono meccanismi a scorrimento lineare, C.M.C. ITALIA produce e distribuisce alberi temprati

per guide lineari. Questi si adattano alle applicazioni che richiedono un'elevata durezza superficiale e un'alta resistenza agli urti esterni (es. attrezzature minerarie). La superficie non sopporta una pressione elevata, diretta e continua, ma solo quella delle guarnizioni idrauliche.

On request, C.M.C. ITALIA can supply shafts in inch size and shafts with special lengths and tolerances.

Surface hardness: 60-64 HRC.

Chrome thickness: 7-15 μm .

Chrome layer hardness: 900-1100HV.

Surface roughness: max 0.2 μm .

Straightness: max 0.2 mm/m.

Roundness: max. 1/2 from diameter tolerance.

INDUCTION HARDENED FOR LINEAR MOTION SHAFTS

DIMENSIONAL RANGE

| | | C55 | C55 | X90CrMoV18 | X46Cr13 | C55-60 | C55-60 |
|-----|-------|-------------------------------------|--|--|--|--------------------------------------|--|
| Ø | Kg/m | HARDENED AND GROUND STEEL SHAFTS h6 | HARDENED, HARD CHROME PLATED STEEL SHAFTS h7 | HARDENED AND GROUND STAINLESS STEEL SHAFTS | HARDENED AND GROUND STAINLESS STEEL SHAFTS | HARDENED AND GROUND HOLLOW SHAFTS Øi | HARDENED AND HARD CHROME PLATED HOLLOW SHAFTS Øi |
| 4 | 0,10 | √ | √ | √ | √ | | |
| 5 | 0,15 | √ | √ | √ | √ | | |
| 6 | 0,22 | √ | √ | √ | √ | | |
| 8 | 0,39 | √ | √ | √ | √ | | |
| 10 | 0,62 | √ | √ | √ | √ | | |
| 12 | 0,89 | √ | √ | √ | √ | 4.0 | 4.0 |
| 16 | 1,58 | √ | √ | √ | √ | 7.0 | 7.0 |
| 20 | 2,47 | √ | √ | √ | √ | 14.0 | 14.0 |
| 25 | 3,85 | √ | √ | √ | √ | 15.6 | 15.6 |
| 30 | 5,55 | √ | √ | √ | √ | 18.3 | 18.3 |
| 32 | 6,31 | √ | √ | | | | |
| 35 | 7,55 | √ | √ | | | | |
| 40 | 9,86 | √ | √ | √ | √ | 28.0 | 28.0 |
| 45 | 12,48 | √ | √ | | | | |
| 50 | 15,41 | √ | √ | √ | √ | 29.7 | 29.7 |
| 55 | 18,85 | √ | √ | | | | |
| 60 | 22,19 | √ | √ | √ | √ | 36.0 | 36.0 |
| 65 | 26,05 | √ | √ | | | | |
| 70 | 30,21 | √ | √ | | | | |
| 80 | 39,46 | √ | √ | | | | |
| 90 | 49,94 | √ | √ | | | | |
| 100 | 61,65 | √ | √ | | | | |

√ = Standard diameters.

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