

# 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 text 'Italia srl' is written in a smaller, white, sans-serif font.

CMC Italia srl



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# 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  $\mu\text{m}$ .

Chrome layer hardness: 900-1100HV.

Surface roughness: max 0.2  $\mu\text{m}$ .

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	HARDENED, HARD CHROME PLATED STEEL SHAFTS	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.

On request we can supply shafts in inch size and shafts with special lengths and tolerance.

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.

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