

YR45B

S45C Hardening Chromium Plated Bars



Usage

Pneumatic/ hydraulic cylinder shaft, column rod, plastic injection machine, fitness equipment and automation machinery, various kinds of machinery rods.

S45C Hardening Chromium Plated Bars List

Dia (mm Ø)	Dia (mm Ø)	Dia (mm Ø)	Dia (mm Ø)	Dia (mm Ø)	Dia (mm Ø)	Dia (mm Ø)	Dia (mm Ø)	Dia (mm Ø)	Dia (mm Ø)	Dia (mm Ø)
6	15	20	28	35.5	44.45	56	65	80	110	140
8	16	22	30	36	45	57.15	70	85	120	145
10	18	22.4	31.75	38	50	60	71	90	125	150
12	19	25	32	38.1	50.8	63	75	100	130	155
14	19.05	25.4	35	40	55	63.5	76.2	101.6	135	160

Remark

- Material : JIS S45C/ DIN CK45/ SAE 1045
- Standard Size : Ø 6 – Ø 160 mm
- Standard Length : 2 – 7 M
- Hard Chrome Thickness : 20 Micron ± 5
- Surface Roughness : Ra 0.2 – 0.4
- Hardness of Hard Chrome Plating : HV850 (Minimum)
- OD Accuracy : f8 (Please Consult Page 10)
- Other Specifications can be customized.

YR45IB

S45C Induction Hardening Chromium Plated Bar/ Guide-Rod



Introduction

- Carbon steel grade: SAE1045, JIS S45C, DIN CK45
- Process with induction and harden chrome plated.
- Uniform hardening thickness with no soft spots.

Usage

Heavy machinery, plastic injection machinery, column rod, agricultural machinery, cylinder piston rod, fitness equipment, automation machinery.

S45C Induction Hardening Chromium Plated Bar/ Guide-Rod Size List

Dia (mm)	Hardening Depth (mm)	Dia (mm)	Hardening Depth (mm)	Dia (mm)	Hardening Depth (mm)
5	>1.0	18	>1.5	40	>2.5
6	>1.0	20	>1.5	45	>2.5
8	>1.0	22	>1.5	50	>2.5
10	>1.0	25	>1.5	60	>3.0
12	>1.0	28	>1.5	65	>3.0
15	>1.5	30	>2.0	70	>3.0
16	>1.5	35	>2.5	75	>3.0

Remark

- Material : JIS S45C/ DIN CK45/ SAE 1045
- Standard Size : Ø 5 – Ø 25 mm, 2000 – 4000 mm
Ø 35 – Ø 160 mm, > 6000 mm
- Hard Chrome Thickness : 15 Micron ± 5
- Surface Roughness : Ra 0.2 – 0.4
- Surface Hardness : HRC 54' ± 2'
- OD Accuracy : f8 (Please Consult Page 10)