



# 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)
6	15	22	30	35.5	44.45	56	65	80	110
8	16	22.4	31.5	36	45	57.15	70	85	120
10	18	25	31.75	38	50	60	71	90	125
12	19	25.4	32	38.1	50.8	63	75	100	130
14	20	28	35	40	55	63.5	76.2	101.6	

### Remark

- Material : JIS S45C/ DIN CK45/ SAE 1045
- Standard Size : Ø 6 – Ø 130 mm
- Standard Length : 2 – 7 M
- Hard Chrome Thickness : 20 Micron ± 5
- Surface Roughness : Ra 0.2 – 0.4
- Hardness of Hard Chrome Plating : HV800 ( Minimum )
- OD Accuracy : f8, h8 ( Please Consult Page 10 )
- Other Specifications can be customized.

# YR45IB

## S45C Induction Hardening Chromium Plated Bar/ Guide-Rod



### Introduction

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

### Usage

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

### Remark

- Material : JIS S45C/ DIN CK45/ SAE 1045
- Standard Size : Ø 5 – Ø 30 mm, 2000 – 4000 mm  
Ø 35 – Ø 70 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 )
- Size > Ø 70 mm can be ordered