



# Jiangyou Hacer Technology Co., Ltd.

Steel Grade: 45SPb20 | Material No: 1.0757

## CHEMICAL COMPOSITION

C(%)	Si(%)	Mn(%)	P(%)	S(%)	Pb(%)
0.42 ~ 0.50	≤0.40	0.70 ~ 1.10	0.06	0.15 ~ 0.25	0.15 ~ 0.35

## MECHANICAL PROPERTIES

Condition	Size/mm	Tensile Strength  $\sigma_b$ /Mpa	Yield Strength  $\sigma_s$ /Mpa	Extensibility  $\delta$ (%)≥	Hardness HBS≤
Before Hot Working	≤10mm	590 ~ 760	—	—	229
Before Hot Working	11 ~ 16mm	590 ~ 760	—	—	229
Before Hot Working	17 ~ 40mm	590 ~ 760	—	—	223
Before Hot Working	41 ~ 63mm	590 ~ 760	—	—	223
Cold-Drawing	≤10mm	740 ~ 980	570	5	—
Cold-Drawing	11 ~ 16mm	690 ~ 930	470	6	—
Cold-Drawing	17 ~ 40mm	640 ~ 830	375	7	—
Cold-Drawing	41 ~ 63mm	610 ~ 800	325	8	—

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