

ŁH15 (1.3505)
stock sizes [mm]

round bars

 from Φ 16 mm to Φ 250 mm diameter

Description:

Bearing steel

Application:

to make general purpose roller bearings, to make rings, shafts, balls and bearing needles which do not work in higher temperatures or in corrosive environment.

Chemical composition [%]

C	Mn	Si	P	S	Cr	Ni	Mo	W	V	Co	Cu
0,95-1,1	0,25-0,45	0,15-0,35	max 0,025	max 0,025	1,3-1,65	max 0,3	-	-	-	-	max 0,3

Equivalents

PN	W. nr	EN	AISI	Russia (GOST)	Other
ŁH15	1.3505	100Cr6	6400K	SCh15	14109

Processes

hardening	TAK	temp. 830 - 870 [°C]
tempering	TAK	temp. 150 - 170 [°C]

Hardness

after toughening	65 HRC
after softening	250 HB