

15HN (1.5919)

stock sizes [mm]

round bars

od Φ 30 mm do Φ 120 mm střednicy**Description:**

chromium-nickel carburizing steel

Application:

shafts, axles, spindles, levers, vehicle axle shafts

Chemical composition [%]

C	Mn	Si	P	S	Cr	Ni	Mo	W	V	Co	Cu
0,14-0,19	0,4-0,6	max 0,04	max 0,035	max 0,035	1,4-1,7	1,4-1,7	-	-	-	-	-

Equivalents

PN	W. nr	EN	AISI	Russia (GOST)	Other
15HN	1.5919	15CrNi6	4320	-	E230

Processes

welding	YES	
forging	YES	
rolling	YES	
nitriding	YES	
hardening	YES	temp. 850 – 890 [°C]
tempering	YES	temp. 630 - 650 [°C]

Hardness

after softening	205 HB
Rm	780-1270 MPa
Re	600 MPa