

17HNM (1.6587)

**stock sizes [mm]**

round bars

from  $\Phi$  120 mm to  $\Phi$  370 mm diameter

**Description:**

High strength carburizing steel.

**Application:**

heavily loaded gear wheels, high speed gear transmissions, shafts and other parts subject to high pressures

**Chemical composition [%]**

C	Mn	Si	P	S	Cr	Ni	Mo	W	V	Co	Cu
0,15-0,21	0,5-0,9	max 0,4	max 0,035	max 0,035	1,5-1,8	1,4-1,7	0,25-0,35	-	-	-	-

**Equivalents**

PN	W. nr	EN	AISI	Russia (GOST)	Other
17HNM	1.6587	18CrNiMo7-6	-	-	-

**Processes**

welding	YES	
forging	YES	
rolling	YES	
nitriding	YES	
hardening	YES	temp. 840 – 870 [°C]
tempering	YES	temp. 630 – 650 [°C]

**Hardness**

after softening 205 HB