

STANDARD REFERENCE:  
ASTM A 105

**RODACCIAI REFERENCES AND COMPARABLE STANDARDS**

	EUROPE		ITALY	GERMANY		FRANCE	UK	USA
	EN 10083-3: 2006		(UNI 7845 - 78)	(DIN 17200 - 86)		(NF A 35-552-86)	(BS 970 pt. 1 - 96)	ASTM
	Grade	N°		Werkstoff	N°			
<b>K 105</b>	-	-	-	-	-	-	-	A 105

**CHEMICAL COMPOSITION (CAST ANALYSIS) (%)**

C / max	Si	Mn	P / max	S / max	Cr / max	Mo / max	Ni / max	Al
0,35	0,10 ÷ 0,35	0,60 ÷ 1,05	0,035	0,035	0,30	0,12	0,40	0,020 ÷ 0,050

**MECHANICAL PROPERTIES - HOT-ROLLED**

Size mm	R <sub>p 0,2</sub> (MPa) min	R <sub>m</sub> (MPa) min	A <sub>4</sub> (%) min	Z (%) min	Hardness max
≤105	250	485	22	30	187 HB

**WORKING TEMPERATURES RECOMMENDED**

Operation	Hot forgings deformation	Soft annealing
°C	900 ÷ 1150	650 ÷ 700

