

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°			
-	-	-	-	-	-	-	A 105

CHEMICAL COMPOSITION (CAST ANALYSIS) (%)

C / max	Si	Mn	P / max	S / max	Cr / max	Mo / max	Ni / max	Cu / max	V / max
0,35	0,10 ÷ 0,35	0,60÷1,05	0,035	0,040	0,30	0,12	0,40	0,40	0,08

MECHANICAL PROPERTIES - HOT-ROLLED

Size mm	Rp _{0,2} (MPa) min	R _m (MPa) min	A ₄ (%) 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



rev. 10/2018

Mark Rodacciai

Download APP

SPECIAL STEELS
 AMERICAN STANDARDS ASTM

A105 - K105
