

GRADE	X15CrNiSi20-12 (W.Nr. 1.4828)	AISI	-
STANDARD	EN 10095		
CLASSIFICATION	AUSTENITIC HEAT RESISTING STEELS		
APPLICATION	INDUSTRIAL FURNACES, HARDENING BOXES, BEAMS, PLATES, ANNEALING BELLS		

Chemical Composition [%]						
C	Si	Mn	P	S	Cr	Ni
max 0.20	1.5 - 2.0	max 2.0	max 0.045	max 0.015	19.0 - 21.0	11.0 - 13.0
Mo	Co	Cu	N	Ti	Nb	Ta
-	-	-	max 0.11	-	-	-

DELIVERY CONDITIONS	Hot rolled, annealed and pickled
SHAPE	FLAT OR SQUARE BARS
SIZE TOLERANCE	EN 10058 / EN 10059 OR ASTM A484

Mechanical Properties						
Condition	Hardness [HB]	Rp 0,2% [MPa]	Rp 1,0% [MPa]	Rm [MPa]	A [%]	Z [%]
+A	223	min 230	min 270	550 - 750	min 30	-
Cold drawn	-	-	-	-	-	-

Rp 0,2%	Yield Strength / Streckgrenze / Tensão Limite
Rp 1,0%	1% point / Dehngrenze / Limite de Extensão
Rm	Tensile strength / Zugfestigkeit / Tensão de Ruptura
A	Elongation / Bruchdehnung / Alongamento
Z	Reduction of area / Einschnürung / Coeficiente de Estricção

REQUIREMENTS	Other delivery requirements may be analysed under request
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