

TECHNICAL DATA

Specification

Material No.: 1.4115 / DIN 8555: MSG 6-45-RZ / X20CrMo17-1

Field of Applications

Martensitic weld metal, for welding on corrosion and scale resistant chromium steel. Heat and scale resistant up to 900°C, temperature resistant up to 550°C. High resistance against abrasion, adhesion and cavitation and combined wear mechanism. Good corrosion resistance against many saline solution, particularly sea water.

Mechanical Properties

Hardness (HRC)	45
Tensile strength Rm (N/mm ²)	690
Proof strength Rp 0.2 (N/mm ²)	490
Ultimate elongation A5 (%)	15

Composition in %			
C 0.20	Si 0.50	Mn 1.00	Cr 17.00
Ni 0.50	Fe Rest		

Compatible Materials:

STAVAX / MIRRAX / HPM38 / Z35CD17S / Cobalt68 / M310 / Stainless steel
1.2083 / 1.2316 / 1.2082 / 1.2085 (STAVAX for edge and hard areas : DSI M20 Plus)

Available Sizes:

MA125 Spools: Ø mm 0.2 / 0.3 / 0.4 / 0.5 / 0.6 / 0.8
Rods (500 mm): Ø mm 0.4 / 0.5 / 0.6 / 0.8 / 1.0 / 1.2



EN 10204/3.1 2005 Quality Certified



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