

	Austenitic stainless cast steel	Page 1(1)
	Mekava 1.4408	Approved: T.S.
21.11.2019		

Chromium, nickel and molybdenum alloyed austenitic stainless steel. The grade owns a good general corrosion resistance, also in acids and chlorides, e.g. sea water.

Chemical composition

	C %	Si %	Mn%	P %	S %	Cr %	Ni %	Mo %
min.						18,00	9,00	2,00
max.	0,07	1,50	1,50	0,040	0,030	20,00	12,00	2,50

Mechanical properties

Condition	Yield strength $R_{p0,2}$ MPa, min.	Tensile strength R_m MPa, min.	Elongation A_5 %, min.	Impact strength KV ₂ +20 °C J, min.
Cast, solution annealed Max. 150 mm	185	440	30	60

Weldability

The weldability of Mekava 1.4408 is good in room temperature. Filler material for instance OK 63.30 or 63.41 (rod welding), OK Autrod 16.32 (MIG/MAG welding). After welding a solution annealing is recommended.

Information about corrosion resistance

Mekava 1.4408 is typically used in pumps. The grade has a good resistance for instance against following mediums: practically all organic liquids, 50 % caustic sodium up to 90 °C temperature, KTL paint, clean phosphorus acid, dry chlorine, molten sulphur and PTA.

Related standards

EN ISO 10283:2019	ASTM A743
GX5CrNiMo19-11-2, nro 1.4408	CF8M