Data sheet and application

DIM L-1.4009 ©

Material no. 1.4009

DIN 8556:	SG X 8 Cr 14
EN 12072:	W 13
EN ISO 14342:	G(W) 13 (Si)
ASW/A5.9:	ER 410

Characteristics

DIM L-1.4009 is suitable for stainless steels with 13 - 14% Cr, e.g.:
1.4000 - X7Cr13 / 1.4001 - X7Cr14 / 1.4002 - X7CrAl13 / 1.4006 - X10Cr13 / 1.4021 - X20Cr13 / 1.4024 - X15Cr13 / 1.4724 - X10CrAl13 (X10CrAlSi13)
1.4512 - X2CrTi12 / X6CrTi12 - AISI 409
AISI 410 / SUS 410 / UNS 41000
as well as for sealing surface applications on unalloyed and low alloy steels and steel castings for operating temperatures up to 450°C.
1.4008 - G-X12Cr14

Chemical composition

C	Si	Mn	Cr
< 0,1	0,7	0,8	14,5

Certificate of batch upon request.

Mechanical properties of pure weld metal at room temperature

Yield strength Rp0.2 MPa	Tensile strength Rm MPa	Elongation A %
> 450	> 650	15 %

Hardness: 280 – 360 HB

Protective gas

I1 EN 439

The values were determined by the manufacturer. For this, we assume no liability.