certilas® THE FILLER METAL SPECIALIST

CEWELD SS 6356 Tig

TYPE

Cobalt alloyed age hardenable hardfacing alloy for Tig welding.

APPLICATIONS

CEWELD® SS 6356 Tig is a hardenable, high-alloy material suitable for highly wear-resistant cladding in conditions involving abrasion and high working temperatures.
Its main application is to create highly wear-resistant clad layers on cold and hot working tools. It is used for the repair and preventive maintenance of highly stressed cold and hot working tools, such as punching dies, cold and hot cutting knives, aluminium die cast moulds, cold forging dies, and drawing, stamping and chamfering tools.

PROPERTIES

CEWELD® SS 6356 Tig can be machined in the welded condition, and subsequent artificial aging optimizes resistance to hot wear and temperature changes.

CLASSIFICATION

EN ISO	14700: S Fe5
W.Nr.	~1.6356

SUITABLE FOR

All hot- and cold-work steels. GG and GGG cast iron materials.
Similar materials: 1.2706 / 1.2709 / Böhler W720/21/22 / 1.6354 / 1.6358 (AMS 6512-6514) / Thyrodur / Corrax.

APPROVALS

No Approvals Found

WELDING POSITIONS

TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)

C	Ni	Co	Mo	Mn	Si	Fe	Ti	Cr
0.01	18	12	4	0.03	0.4	Rem.	1.6	0.2

ALL WELD MECHANICAL PROPERTIES

Heat Treatment	$R_{P0,2}$ MPa	Rm MPa	A5 (%)		Hardness Rockwell C
As Welded /	885	990			Avg. 38

REDRYING TEMPERATURE

Not required

GAS ACCORDING EN 14175

I1, M13, M12