

DURMAT FD 295HY

CLASSIFICATION:

Spezial alloy with high content of Cobal Chrome and Manganese

GENERAL CHARACTERISTICS AND APPLICATIONS:

The deposit of DURMAT FD 295 HY is a stainless material with special alloys. The austenitic deposit is resistant against corrosion, erosion and cavitation and has a high resistance to hot cracking. The deposit has a much longer lifetime than other used conventional alloys like Stellite, 13Cr – 4 Ni or martensitic Chrome- steels. Typical applications are coatings on parts with cavitation and erosion wear like water-turbines or hydraulic or gas system components.

TYPICAL ALL WELD METAL ANALYSIS (%):

C	Si	Mn	Cr	Co	N
0,15 - 0,25	< 3,0	9 – 11	18 - 20	9 - 11	+

TYPICAL MECANICAL PROPERTIES:

As welded hardness:	280 - 300 HB
Work hardened:	bis 450 HB

PARAMETER:

Dia.	Volt	Ampere
1,2	18 - 24	140 - 240
1,6	20 – 26	160 - 270
2,0	22 - 26	220 - 280
2,4	24 - 27	260 - 340
2,8	25 - 28	320 - 400

FORMS OF DELIVERY:

Coil "BS 300" = 15 kg	Coil "B 450" = 25 kg	Pay off pack = 250 kg
-----------------------	----------------------	-----------------------