

Standards DIN 8555 MF1-GF-45-PT

Characteristics CARBO F-814 is a flux cored wire electrode, which produces a highly heat and thermal shock resistant deposit. The electrode is designed for maintenance of hot working tools, especially drop forge dies and to increase their service life.

Procedure The number of layers can be done as necessary. The interpass temperature should be maximum 250°C. Preheating should be chosen according to the base material.

Typical applications Impactor dies, (screw) press dies, hot forging dies, blanking dies, etc.

Mechanical properties of all-weld metal (typical values)	Hardness	Tensile strength
	HRc	R _m N/mm ²
	44-48,5	1400-1600

Weld metal analysis (typical, wt. %)	C	Si	Mn	Cr	Ni	Mo	Ti
	0,15	0,6	0,6	10	1,7	3	0,2

Gas types EN 439 I1, M 12, M13:

Current = +

Current intensity	DIA (mm)	DIA (inch)	Volt	Amps	Delivering form
	1,2	3/64	19 - 22	120 - 220	G
	1,6	1/16	20 - 26	160 - 260	G
	2,0	5/64	22 - 27	220 - 280	G
	2,4	3/32	24 - 28	260 - 340	G
	2,8	7/64	25 - 29	300 - 400	G
	3,2	1 / 8	26 - 30	320 - 460	

Delivering form **O = Flux cored wire self shielding**
G = Flux cored wire for shielded arc welding
S = Flux cored wire for submerged arc welding

Coiling / Weight B/BS 300 = 15 kg B 450 = 30 kg Pay off pack = 150/ 300 kg

Rev. 000