

QuFe65

(W.-Nr. 1.4337)

is used for joining and surfacing steels of difficult weld ability, cushioning layers and joining of cold and hot working steels. Scale resistant up to 1.150°C, stainless (wet corrosion up to 300°C). High, warm crack-resistance; good pliability at high elastic limit. Tough joint between dissimilar materials.

Recommended for:

Joining of dissimilar material;

Rework

Austenitic – ferritic – crack resistant - corrosion-resistant

Material analysis in %

C	Si	Mn	Cr	Ni	Fe
0,10	0,4	1,6	30	9	Rest

(test certificates upon request.)

Standard/Mechanical Values

Ø	N / mm ²	elongation AL100	Items on stock	
			rods	spools
0,2	1512	1,6	X	X
0,3	1445	1,9	X	X
0,4	1490	2,5	X	X
0,5	1433	2,5	X	X
0,6	1353	3,2	X	X
0,7	-	-	-	-
0,8	-	-	-	-

Hardness after welding

Ø	HRC	base material
1. layer		
2. layer		
3. layer		

(results on request)

Following standard:

Laser welding wires

rods: 333 mm / 1.000 mm

spool: K80 / K125 / K250 / SH253 / MA125

(The reported values were determined by the manufacturer and / or by a neutral Laboratory determined. For the accuracy we can not guarantee)