




# CEWELD ER 80S-D2

<b>TYPE</b>	Solid welding wire for Mag welding of steel grades up to 550 MPa yield strength					
<b>ANWENDUNGEN</b>	Steel construction, shipbuilding, pressure vessels, mechanical engineering, pipe work, offshore, crane building, heavy transport, lifting equipment respecting the NACE requirements..					
<b>EIGENSCHAFTEN</b>	Excellent for use in automated welding applications such as orbital Mag or robotic welding. This wire offers a unique covering range that enables you to use only one wire to cover more procedures up to 550 MPa yield strength steels. It can also be used for constructions that needs post weld heat treatment after welding and still offers excellent impact properties.					
<b>KLASSIFIKATION</b>	AWS	A 5.28: ER 80S-D2				
	EN ISO	14341-A: G 50 5 M21 4Mo				
	F-nr	6				
	FM	1				
<b>GEEIGNET FÜR</b>	P235GH, P265GH, P295GH, P355GH, 16Mo3, 18MnMo4-5, 20MnMoNi4-5, P275NH, P355NH, P460NH, P355QH, P460QH, P500QH, GS-17CrMo55, GS-22CrMo5, GS-22CrMoV32, GS-CrMo54, 15CrMo3, 13CrMoV42, S550QL1, AISI 4130, 4140, 8630 and ASTM grades A182 Grade F22 OPTIM 500ML, PAS 65 us, PAS 70 us, Dilimax 500, Dilimax 550,					
<b>ZULASSUNGEN</b>	CE					
<b>SCHWEISSPOSITIONEN</b>						
<b>TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)</b>	C	Si	Mn	Mo	Cu	
	0.08	0.7	1.8	0.5	0.1	
<b>MECHANISCHE GÜTEWERTE</b>	Heat Treatment	R <sub>P0,2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Impact Energy (J) ISO-V	Hardness
	As Welded	560	650	22	RT      -50°C	HRC
<b>RÜCKTROCKNUNG</b>	Not required					
<b>GAS ACC. EN ISO 14175</b>	M21					



# CEWELD ER 80S-D2

ER 80S-D2 0,8MM

Packaging	KG/unit	EanCode
BS-300	15	8720663416711
D-200	5	8720663416674

ER 80S-D2 1,0MM

Packaging	KG/unit	EanCode
BS-300	15	8720663406316

ER 80S-D2 1,2MM

Packaging	KG/unit	EanCode
BS-300	15	8720663416735