

# CEWELD S3 Mo

**TYPE** Solid wire for submerged arc welding with 0,5% Mo

**APPLICATIONS** Heat, creep-resistant and fine grain steel for working temperatures up to 500°C. Often used for pipe welding (X70).

**PROPERTIES** Increased yield and impact strength due to high manganese content, excellent welding properties in combination with FL 851 and FL 155

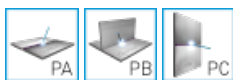
**CLASSIFICATION**

AWS	A 5.23: EA4
EN ISO	14171-A: S3Mo
W.Nr.	1.5426
F-nr	6
FM	3

**SUITABLE FOR** S550GD, S355JO, E335, P285NH, P310GH, S355JOCu, 16Mo3, P355N - P460N, P355NH - P460NH

**APPROVALS** CE

**WELDING POSITIONS**



**TYPICAL CHEMICAL ANALYSIS OF THE FILLER METAL (%)**

C	Si	Mn	P	S	Mo
0.12	0.15	1.6	0.015	0.015	0.5

**MECHANICAL PROPERTIES**

Heat Treatment	R <sub>PO,2</sub> (MPa)	R <sub>m</sub> (MPa)	A <sub>5</sub> (%)	Impact Energy (J) ISO-V			Hardness
				0°C	-20°C	-40°C	
As Welded	550	660	24	95	65	50	HRc
580°C±15°C 2h	460	650	26	70	100	50	HRc

**REDRYING** Not required

**GAS ACC.** EN ISO 14175