

## OK 75.75

OK 75.75 is an LMA electrode dried to a low moisture content and suitable for the welding of high-strength, low-alloyed steels, at room temperature or with moderate preheating.

<b>Classifications</b>	SFA/AWS A5.5 : E11018-G EN ISO 18275-A : E 69 4 Mn2NiCrMo B 42 H5
<b>Approvals</b>	ABS : E11018-G CE : EN 13479 DB : 10.039.19 VdTÜV : 01028 Seproz : UNA 272580

<b>Welding Current</b>	DC+
<b>Diffusible Hydrogen</b>	< 5.0 ml/100g
<b>Alloy Type</b>	Low alloyed (2.4 % Ni, 0.4 % Cr, 0.4 % Mo)
<b>Coating Type</b>	Basic covering

### Typical Tensile Properties

Condition	Yield Strength	Tensile Strength	Elongation
<b>ISO</b>			
As Welded	780 MPa	830 MPa	20 %

### Typical Charpy V-Notch Properties

Condition	Testing Temperature	Impact Value
<b>ISO</b>		
As Welded	-40 °C	60 J

### Typical Weld Metal Analysis %

C	Mn	Si	Ni	Cr	Mo
0.05	1.61	0.36	2.4	0.4	0.4

### Deposition Data

Diameter	Current	Voltage	Efficiency (%)	Number of electrodes/kg weld metal	Fusion time per electrode at 90% I max	Deposition Rate
2.5 x 350.0 mm	70-110 A	22 V	67 %	66.0	54 sec	1.0 kg/h
3.2 x 450.0 mm	100-150 A	23 V	67 %	31.5	80 sec	1.4 kg/h
4.0 x 450.0 mm	135-200 A	24 V	65 %	21.0	92 sec	1.9 kg/h
5.0 x 450.0 mm	180-260 A	25 V	63 %	12.0	105 sec	2.5 kg/h