



# SAFRA Al.Si.5/ER 4043

A.W.S./ASTM A5.10:  
ER 4043

DIN EN ISO 18273:  
S Al 4043A-AISi5A

## DESCRIPTION

Aluminium wires and rods for welding alloys with maximum 2% alloying elements and for aluminium alloys containing up to 7% of Si.

Excellent flowability and penetration characteristics. Applications in the construction sector and in the automotive industry.

## CHEMICAL COMPOSITION

<b>Al</b>	remainder
<b>Si</b>	4,5 - 6,0
<b>Fe</b>	<0,60
<b>Cu</b>	<0,30
<b>Mn</b>	<0,15
<b>Mg</b>	<0,20
<b>Zn</b>	<0,10
<b>Ti</b>	<0,15
<b>Be</b>	<0,0003

## MATERIALS TO BE WELDED

Al Si 5	Al Mg Si 0,5	Al Mg Si 0,8	Al Mg Si 1	Al Zn Mg	Al Cu Mg
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(after anodizing welding will be of a dark grey colour)

## SHIELDING GASES FOR GMAW/GTAW

Ar 99,99% min.

## MINIMAL VALUES OF THE MECHANICAL PROPERTIES (WELDED METAL)

Tensile strenght Rm:	120 N/mm <sup>2</sup>
Yeld strenght Rp 0,2:	40 N/mm <sup>2</sup>
Elongation L=5d:	8%

## AVAILABLE SIZES

MIG: 6-7 Kg D300 or K300/KS300 Spools

TIG carton box of 10 kg  
(x 1000 mm length)

### DIAMETER OF THE WIRE

0,8 mm - 1,0 mm - 1,2 mm - 1,6 mm - 2,0 mm - 2,4 mm

### DIAMETER OF THE RODS

1,6 mm-2,0 mm-2,4 mm-3,2 mm-4,0 mm-5,0 mm

MINI-MIG 0,5 Kg D100 Spools

### DIAMETER OF THE WIRE

0,8 mm - 1,0 mm - 1,2 mm

MORE DIAMETERS AND PACKAGING UPON REQUEST

OTHERS EACH <0,05

OTHERS TOTAL <0,15