



# SAFRA Al.Mg.3/5754

A.W.S./ASTM A5.10:  
Nearest equivalent  
material ER 5654

DIN EN ISO 18273:  
S Al 5754-AlMg3

## DESCRIPTION

Wires and rods for welding aluminium basis alloys with maximum 3% Mg.  
These alloys are suitable for a big range of applications in the construction sector, in general, and in the structural industry. They are corrosion-resistance and show an excellent colour-uniformity after anodizing.

## CHEMICAL COMPOSITION

<b>Al</b>	remainder
<b>Si</b>	<0,40
<b>Fe</b>	<0,40
<b>Cu</b>	<0,10
<b>Mn</b>	<0,50
<b>Mg</b>	2,6 - 3,6
<b>Cr</b>	<0,30
<b>Zn</b>	<0,20
<b>Ti</b>	<0,15
<b>Be</b>	<0,0003

## MATERIALS TO BE WELDED

Al Mg Mn	Al Mg1	Al Mg2	Al Mg 2,7Mn	Al Mg3	Al Mg3,5	Al Mg Si 0,5
Al Mg Si 0,8	G-Al Mg3 Si.					

## SHIELDING GASES FOR GMAW/GTAW

Ar 99,99% min.  
Ar 75% +He 25%  
Ar 50%+ He 50%

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

Tensile strenght Rm: **190 N/mm2**  
Yeld strenght Rp 0,2: **80 N/mm2**  
Elongation L=5d: **20%**

## 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