



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

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