

# Al Si 5 W/R

EN ISO 18273 - S Al 4043 (AlSi5)  
AWS A5.10: ER/R 4043

**Characteristics:** wrought aluminium alloy for filler metals purposes.

**Description:** Al Si 5 is a silicon alloyed aluminum welding wire for GMAW and GTAW. It's used to weld Al-Si and Al-Mg-Si alloys. Suitable for welding cast aluminum and wrought alloys containing up to 7% Si. Al Si 5 has excellent flow characteristics and it's not recommended for anodizing.

**Application:** automotive components, furniture, carpentry.

**Approvals:** VdTÜV, DB

**Chemical composition according to EN ISO 18273 [%]:**

	Si	Fe	Cu	Mn	Mg	Cr	Zn	V	Ga	Ti	Zr	Al	Be	other each	other total
min.	4.50	-	-	-	-	-	-	-	-	-	-	rem.	-	-	-
max.	6.00	0.80	0.30	0.05	0.05	-	0.10	-	-	0.20	-	-	0.0003	0.05	0.15

**Remark:** maximum value unless shown as a range or a minimum.

**Mechanical properties:** (as-welded)

min R <sub>m</sub> [N/mm <sup>2</sup> ]	120
R <sub>p</sub> 0,2 [N/mm <sup>2</sup> ]	60
A [%]	15
Solidus [°C]	573
Liquidus [°C]	632

**Gas:** EN ISO 439 – I1 (Ar), I3 (He,Ar)

**Winding:** precision layer wound wire

**Polarity:** MIG=+ TIG ~

**Available sizes:**

**Wire:** diam. 0.80-1.00-1.20-1.60-2.00-2.40-3.17 mm

Spools:

D100 0,45 kg plastic spool

D200 2,0 kg plastic spool

D300 7,0 kg plastic spool 6,0 kg @ d.0.8 mm

BS300 7,0 kg basket spool

R410 10 kg plastic ring

D355 18 kg plastic spool

Drums:

80 kg – 173 kg

**Rods:** diam 1.60-2.00-2.40-3.20-4.00-5.00 mm x 1000 mm

10 kg – 5 kg cardboard box

Both wire and rods available in FIDAT boxes or neutral boxes