

## UTP A 495

### Standard :

Material-No. : 3.3556  
 EN ISO 18273 : S Al 5356A (AlMg5Cr(A))  
 AWS A5.10 : ER 5356

**Aluminium-magnesium alloy with  
 5 % Mg**

### Application field

**UTP A 495** is used for aluminium-magnesium alloys with a Mg-content up to 3 % according to DIN 1725, e. g.

3.3555 AlMg5  
 3.3345 AlMg4,5

also for highly loaded joints of lower alloyed Al-Mg-alloys.

### Welding properties

Corrosion and seawater resistant alloy. Weldable in all positions. Good eloxadizing ability.

### Mechanical properties of the weld metal

Yield strength Rp0,2 MPa	Tensile strength Rm MPa	Elongation A %	Melting range ° C
120	250	25	575 - 633

### Weld metal analysis in %

Si	Mn	Al	Fe	Mg
< 0,25	0,3	balance	< 0,4	5,0

### Welding instruction

Clean weld area thoroughly. Thick walled weldments > 15 mm must be preheated to 150°C.

### Welding procedure and availability

Ø (mm)	Current type	Shielding gas EN ISO 14175		Availability	
		I 1	I 3	Spools	Rods
				EN ISO 544	EN ISO 544
0,8 *	DC (+)	x	x	x	
1,0	DC (+)	x	x	x	
1,2	DC (+)	x	x	x	
1,6	DC (+)	x			x
1,6	AC	x	x		x
2,0	AC	x			x
2,4	AC	x			x
3,2	AC	x			x

\* available on request

### Approvals

TÜV (No. 00915; 00916), DB (No. 61.138.05)