capilla® AlMg 4,5 Mn MIG

Alternatively available:

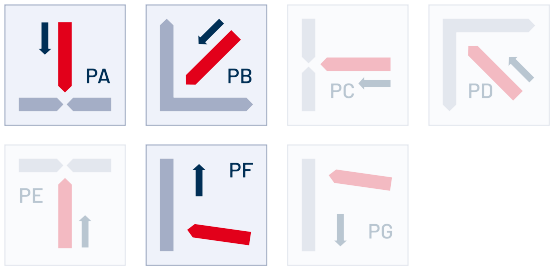
capilla® AlMg 4,5 Mn WIG

EN ISO 18273:	**S Al 5183 (AlMg 4,5 Mn0,7(A))**
DIN 1732:	**SG AlMg4,5Mn**
AWS A 5.10:	**ER 5183 A**
Material No.:	**3.3548**

INDICATIVE ANALYSIS [%]

Mn	Cr	Mg	Ti	Al
0,80	**0,18**	**4,90**	**0,15**	**balance**

WELDING POSITIONS



PROPERTIES:

(without heat treatment; indicative values at room temperature)

Tensile strength Rm	**280 [MPa]**
Elongation (L=5d)	**20 [%]**
Yield strength ReH/Rp0,2	**140 [MPa]**

DIMENSIONS

Ø [mm]
0,8
1,0
1,2
1,6

SHIELDING GAS (EN ISO 14175) I1

CURRENT TYPE =(+)

APPLICATIONS / FEATURES:

solid wire made of Al-Mg-alloy for MIG-hardfacing and joining welds.

Preheat larger workpieces to 150°C.

FIELDS OF APPLICATION:

Suitable for base materials such as:
Aluminium-magnesium alloys;
3.3535 (AlMg 3),
3.3547 (AlMg 4,5 Mn),
3.3555 (AlMg 5).
Conditionally suitable for base materials such as:
aushardenablee alloys;
3.1325 (AlCuMg 1),
3.2315 (AlMgSi 1),
3.4335 (AlZn 4,5 Mg),
3.4365 (AlZnMgCu 1,5).

capilla Schweißmaterialien GmbH reserves the right to amend the presented information and values as a result of the ongoing development of the product. The information on mechanical and technological properties always relates exclusively to the weld metal. Approval of suitability for a particular purpose always requires an express written agreement. The revision number indicates the state of knowledge at the time. All information is not legally binding.