

TECHNICAL CHARACTERISTICS

Extruded Aluminium	Alloy EN AW-6060 UNI EN 573-3:1996
International designations	ANSI 6060 - DIN1748/1: AlMgSi 0,5 BS 6060
Chemical composition	Si: 0,45 - Mg: 0,45 - Fe: 0,3
Heat treatment	Aging T5 o T6
Surface treatment (upon request)	Chemical silver anodization
Specific weight, density	Kg/dm³ 2,71
Electrical conductivity	% IACS 53
Thermal Conductivity	W/m·K 200
Specific heat.....	J/Kg·K 96
Coefficient of expansion.....	mm/m °C 0,024
Tensile strength.....	Kg/mm² 24
Yield strength.....	Kg/mm² 20
Modulus of elasticity	Kg/mm² 6.700
Brinell hardness	HB 70÷80
Melting range.....	°C 600-650
O-ring material	NBR 70
Operating temperature.....	°C -20/+120
Screw material	Steel class 8.8
Screw driving torque	Nm 10÷13,5 (90÷120 Inch Lbs)
Outlet thread	BSP or NPT
Terminal thread	BSP or NPT
Max operating pressure	15 bar - 1,5 MPa - 217 psi
Failure test pressure	56 bar - 5,6 MPa - 813 psi

Compatibility with fluids

Compressed air, Vacuum, Argon, Nitrogen, Carbon dioxide, Mineral oil*, Synthetic oil*, Other fluids*.

WARNING!

Teseo components are intended only to uses for which they have been specifically designed by the manufacturer and patent holder. This does not absolve the professional user to refrain from checking technical compatibility and current project of your application. Our technical department is at your disposal for evaluations, analysis of special use, to design and eventually implement specific components and assemblies. Teseo company is not responsible for any damage caused by improper, erroneous, unreasonable and product incompatibilities with applications not specified by the catalog.

*For further information, please apply to Teseo Srl Technical Office.