

TECHNICAL CHARACTERISTICS

Extruded Aluminium.....	Alloy EN AW 6060 UNI EN 573-3:1996
International designations.....	ANSI 6060 - DIN 1748/1: AlmNsl 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
M5 Screw driving torque.....	10 N·m (90 Inch·Lbs) ± 10%
M6 Screw driving torque.....	14 N·m (120 Inch·Lbs) ± 10%
Outlet thread.....	BSP or NPT
Terminal thread	BSP or NPT
Max operating pressure	15 bar - 1,5 MPa - 217 psi
Powering multfluid, max operating pressure.....	25 bar - 2,5 MPa - 362 psi
Failure test pressure.....	80 bar - 8 MPa - 1160 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.