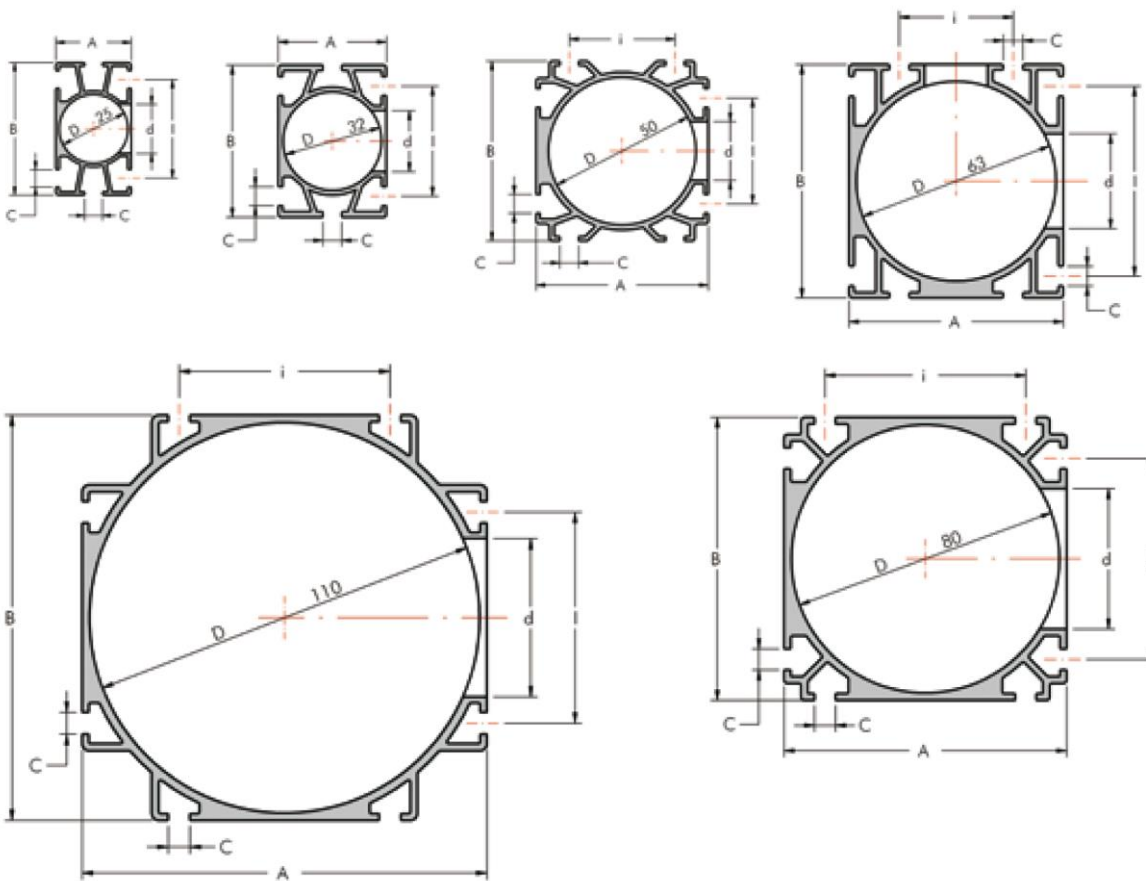




HBS profiles section over-view



SIZE DIMENSIONS

HBS		Dimensions					Max hole	Inner volume	Weight	Moment of inertia		Section Area
D	A	B	L	I	C	D	V	P	Jx	Jy	Cm ²	
mm	mm	mm	mm	mm	mm	mm	l/m	g/m	cm ⁴	cm ⁴		
25	28	49	36	-	6,2	18	0,5	730	6,80	3,00	5	
32	36	50	36	-	6,2	20	0,8	1300	12,30	6,70	8	
50	60	60	36	36	6,2	20	2,0	1900	26,40	35,00	20	
63	68	74	60	36	6,2	30	3,1	2940	78,60	63,30	31	
80	85	85	60	60	6,2	42	5,0	3300	120,20	120,20	50	
110	115	115	60	60	6,2	43	9,5	4200	261,50	261,50	95	



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TESEO[®]

SINCE 1988

Technical characteristics

Extruded Aluminium	Alloy EN AW-6060 UNI EN 573-3:1996
International designations	ANSI 6060 - DIN1748/1: AIMgSi 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 ÅC 0,024
Tensile strength.....	Kg/mm² 24
Yield strength	Kg/mm² 20
Modulus of elasticity	Kg/mm² 6.700
Brinell hardness	HB 70ÅÅ80
Melting range	ÅC 600-650
O-ring material	NBR 70
Operating temperature	ÅC -20/+120
Screw material	Steel class 8.8
Screw driving torque	Nm 10ÅÅ13,5 (90ÅÅ120 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*