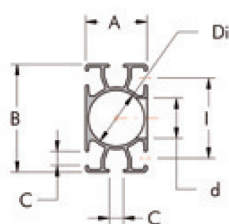
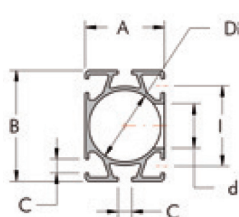
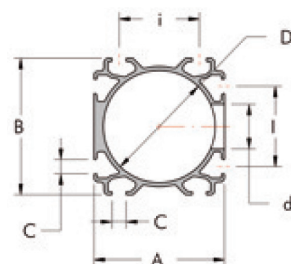
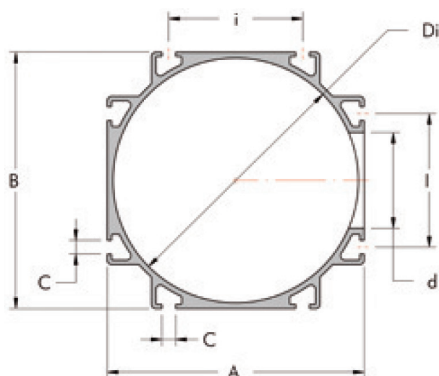
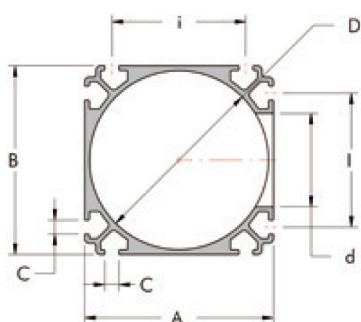
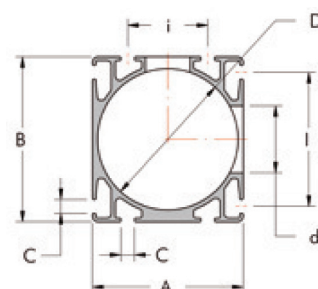


HBS: Profiles section over view

HBS25**HBS32****HBS50****HBS110****HBS80****HBS63**

Size Dimensions

Name	Dimensions						Max hole	Inner Volume	Weight	Moment of inertia		Section Area
	Di mm	A mm	B mm	I mm	i mm	C mm	d mm	V l/m	P g/m	Jx cm ⁴	Jy cm ⁴	cm ²
HBS25	25	28	49	36	-	6,2	18	0,5	800	6,70	2,90	5
HBS32	32	36	50	36	-	6,2	20	0,8	1150	11,90	6,60	8
HBS50	50	60	60	36	36	6,2	20	2,0	1800	25,00	31,50	20
HBS63	63	68	74	60	36	6,2	20/30	3,1	2770	74,20	58,80	31
HBS80	80	85	85	60	60	6,2	42	5,0	3300	120,00	120,00	50
HBS110	110	115	115	60	60	6,2	43	9,5	4200	265,00	265,00	95

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*