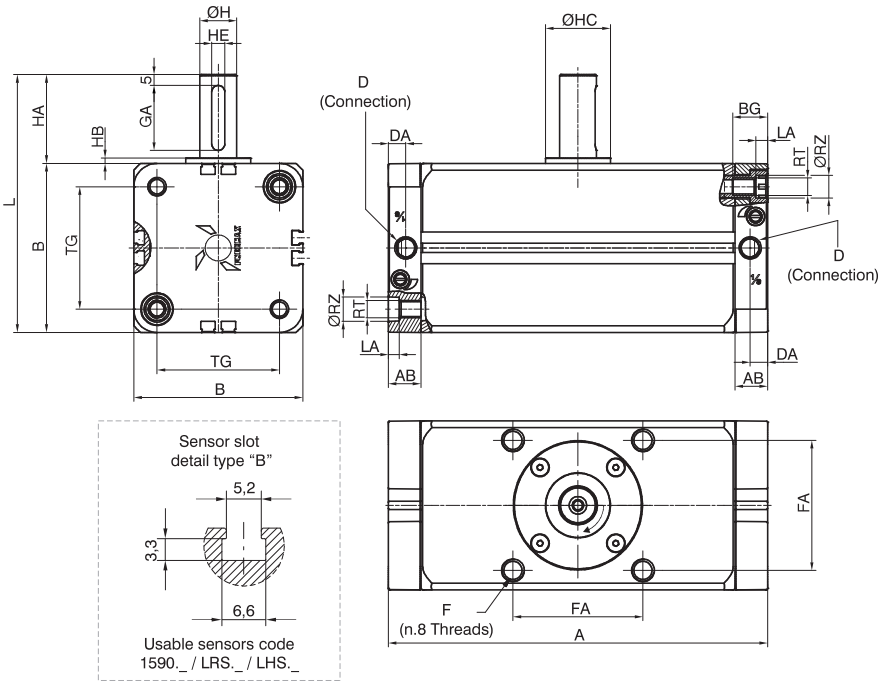
Series 6411

Single rack rotary actuators

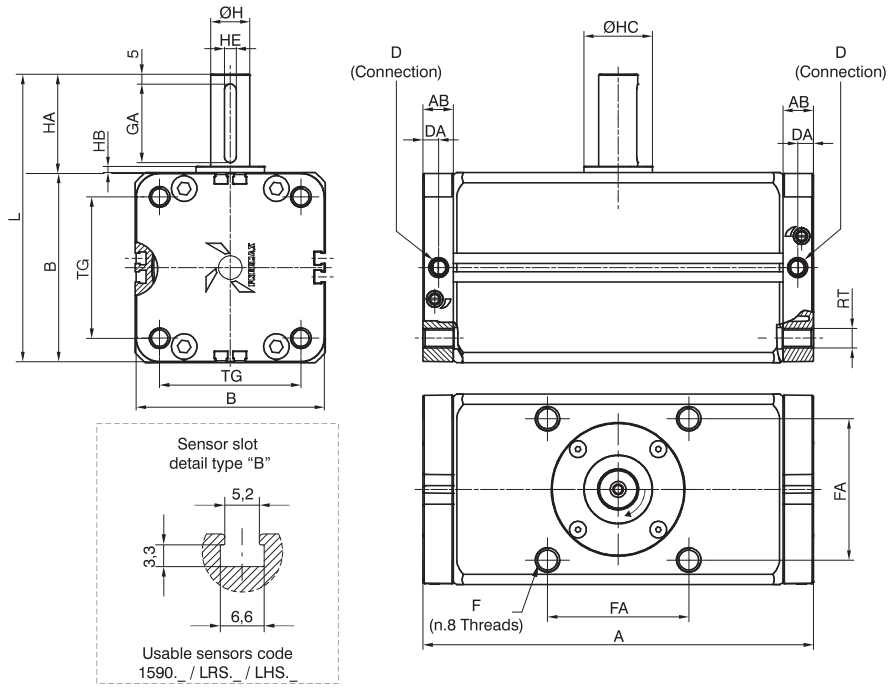
Coding: 6411.Ø.Ⓥ

Ø	BORE
	50 = Ø50
	63 = Ø63
	80 = Ø80
	100 = Ø100
Ⓥ	VERSION
	90 = rotation 90°
	180 = rotation 180°

Overall dimensions Ø50 and Ø63



Overall dimensions Ø80 and Ø100

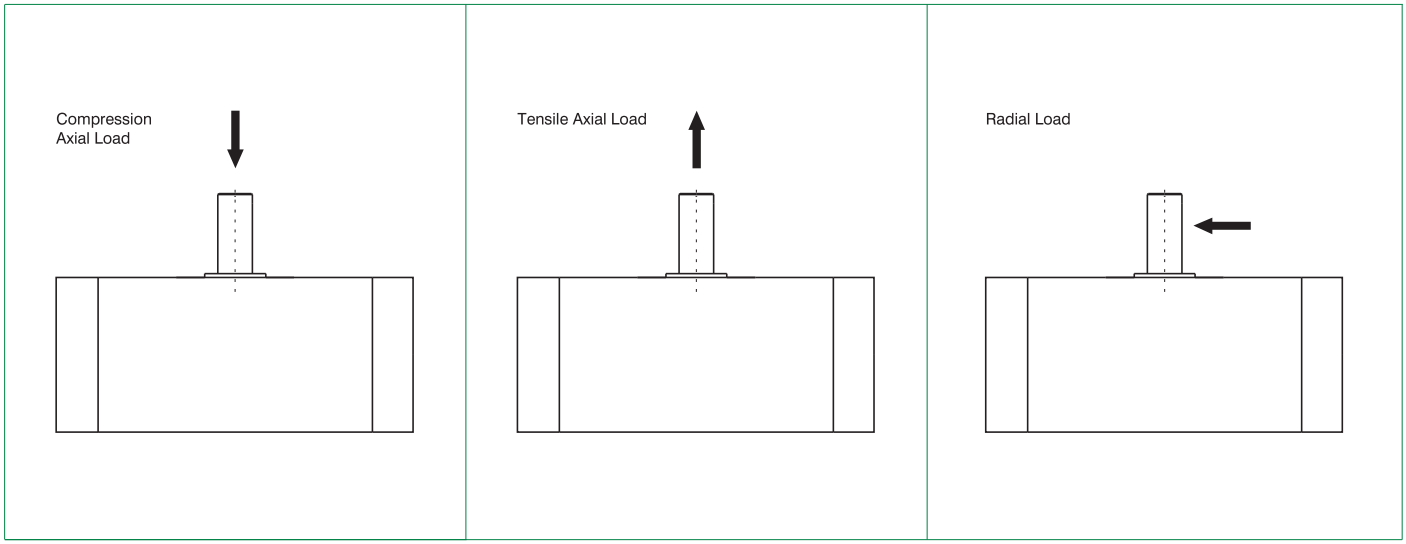


Bore		Ø50	Ø63	Ø80	Ø100
A	90°	156	175	199	259
	180°	189	214	243	325
AB		15	15	15,5	18,5
B		66	78	97	116
BG		16	16	/	/
D		G1/8	G1/8	G1/8	G1/8
DA		8	8	8	8
F		M8x1,25	M10x1,5	M12x1,75	M12x1,75
	Useful depth	12	15	15	18
FA		48	60	72	85
GA		25	30	40	45
H		15	17	20	25
HA		36	41	50	60
HB		2,5	2,5	3	4
HC		25	30	35	39,5
HEH9		5	6	6	8
L		102	119	147	176
LA		5	5	/	/
RT		M8	M8	M10	M10
RZ		10,5	10,5	/	/
TG		46,5	56,5	72	89
Weight (g)	90°	1575	2451	4162	6989
	180°	1815	2823	4774	8329

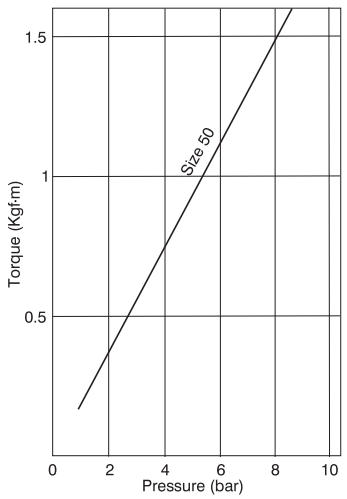
Construction characteristics	
Body	anodized aluminium
Rear end cap	anodized aluminium
Piston	aluminium
Piston seals	NBR rubber
Pinion	steel
Rack	steel

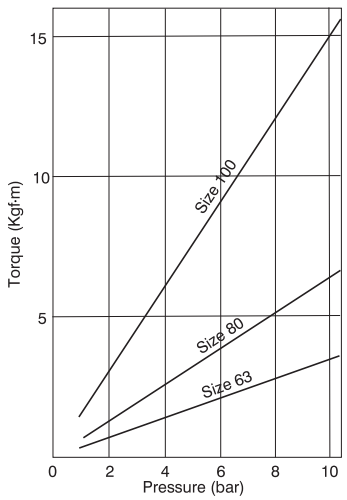
Operational characteristics	
Fluid	filtered and preferably lubricated air or not (if lubricated the lubrication must be continuous)
Max working pressure (bar)	10 bar
Temperature °C	-5 °C ... +70 °C
Rotation tolerance	0°...+4°

Permissible Loads				
Bore	Ø50	Ø63	Ø80	Ø100
Radial Load (N)	200	300	400	600
Compression Axial Load	500	600	900	1000
Tensile Axial Load	200			



Torque Diagrams



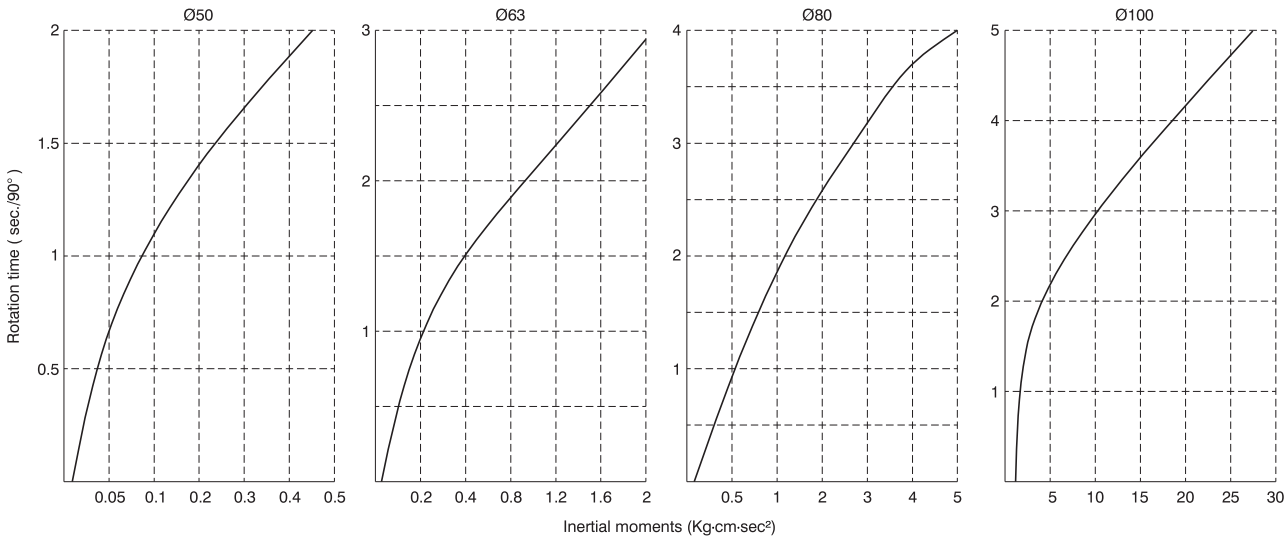


Max Kinetic energy (Kg·cm)

Kinetic energy (cushioning angle 35°)

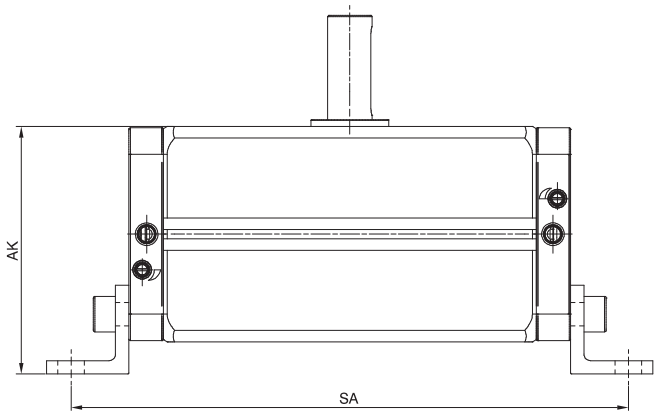
Bore			
Ø50	Ø63	Ø80	Ø100
10	15	20	30

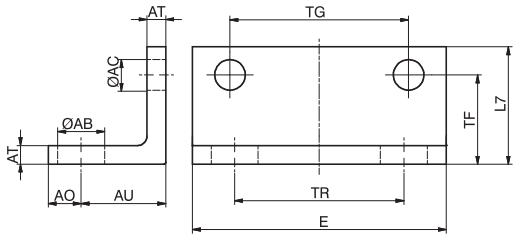
Rotation time according to inertial moments



Short mounting foot brackets (in sheet metal MS1)

Coding: 1540.Ø.05/1F
The kit comprises:
n° 1 foot (plated zinc steel)
n° 2 screws (plated zinc steel)





Bore		Ø50	Ø63	Ø80	Ø100
AK		78	89	111,5	132
SA	90°	198	217	251	313
	180°	231	256	295	379

3 PNEUMATIC ACTUATION