



Characteristics details:

- CHROMED ROD
- SAFETY VALVE INCORPORATED IN THE BOTTOM OF CYLIND

Piston Type	Dimensions [mm]			
	A	B	C	D
40	40	74	60	M 12
50	50	84	70	M 16

Elements characteristics :

Component	Material
Rod:	
- 50 Solid	C43
- 50 x 5	FE 510
Cylinder	FE 510

MAXIMUM PRESSURE: 5.0 Mpa

*Optional

Piston Type Diam /Thickness	Dc [mm]	sd [mm]	Ap [cm ²]	Pt0 [kg]	Pt1 [kg/m]	ps0 [kg]	ps1 [kg/m]	Qt [lt/m]	qc [lt/m]	A [mm ²]	i [mm]	J [mm ⁴]
40 Solid	60	5	12,57	6,8	16,7	1,3	9,9	2,0	1,3	1257	10,00	125664
50 Solid	70	5	19,63	7,4	13,6	1,2	5,6	2,8	2,0	707	16,01	181132
				8,2	23,5	2,1	15,4			1963	12,50	306796

Dc= External diameter of the Cylinder

sd= Cylinder thickness

Ap= Rod thrust section

Pt0= Weight of the basic of the complete piston

Pt1= Weight for every mt of the complete piston

ps0= Weight of the basic of the ram only

ps1= Weight for every mt of the ram only

Qt= Oil in the cylindel for every mt of travel with the ram completely out (must add at the minimum quantity of the oil in the tank)

qc= Oil in circulation for every mt of the piston travel (must compare with the quantity available in the tank)

A= Resistent section of the ram

i= Ray of the inertia of the ram

J= Moment of inertia of the ram

**DIMENSIONS AND
CALCULATION DATA
OF PISTON 40 - 50 HOME TYPE**



Start Elevator

09 220 / G

rev. 1

1/1