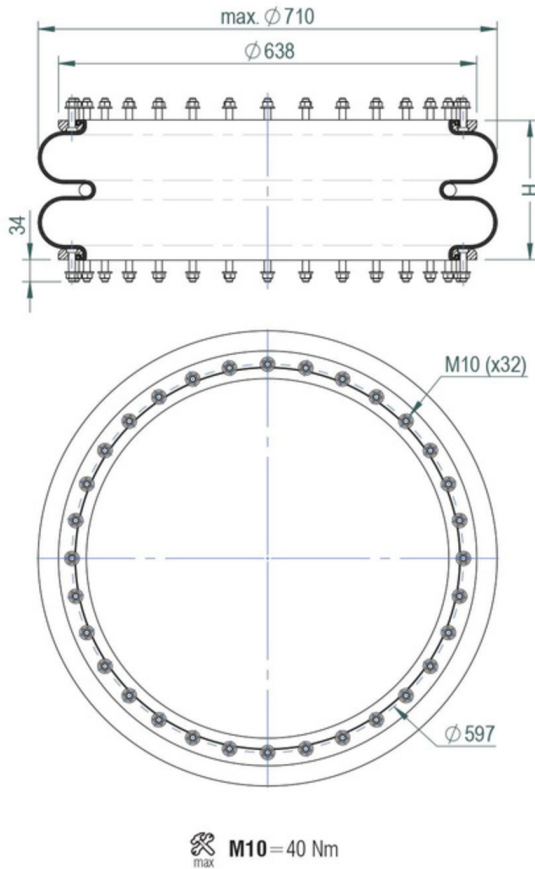


F SERIES
Socket Head Bead Ring Design

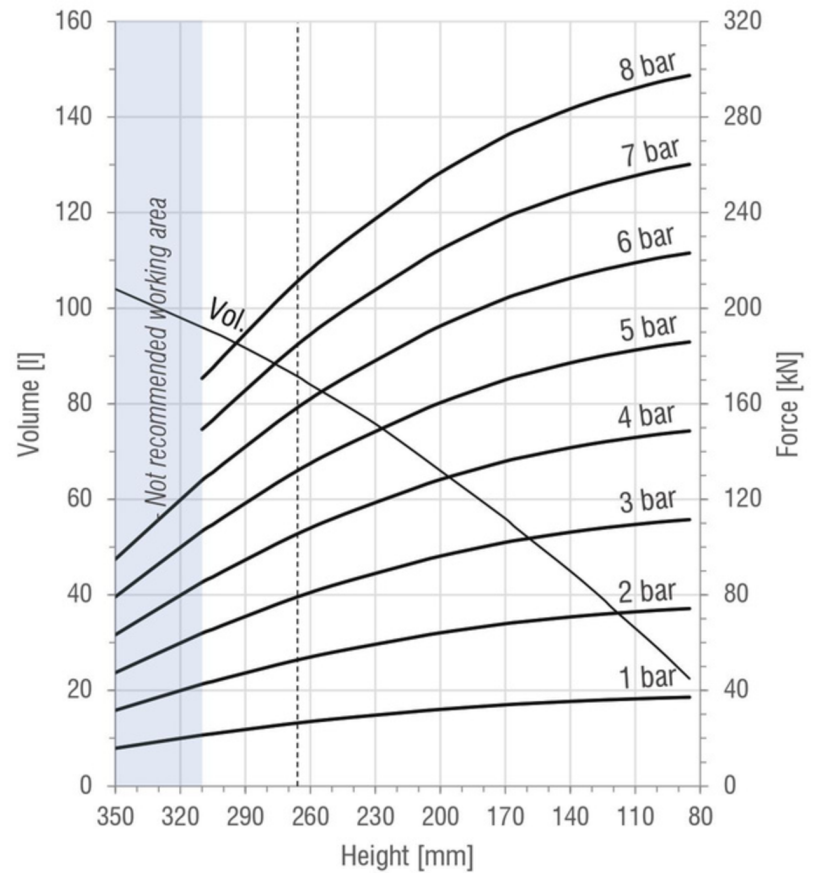
TV-130-2

DOUBLE
CONVOLUTION

DRAWING



FORCE-HEIGHT CHART



TECHNICAL DATA

PRODUCT CHARACTERISTICS

Static diameter [mm]	700
Max. diameter [mm]	710
Required space diameter [mm]	760
Min. height [mm]	85
Static height [mm]	210
Design height [mm]	265
Max. usable height [mm]	305
Max. stroke [mm]	220
Force to compress to H_{min} at 0 bar [N]	700
Weight [kg]	28

REFERENCES

M-130-2_B	Rubber bellow only
M-130-2_R_SH	With socket head bead rings
M-130-2_R_TR	With threaded bead rings

Designs available with stainless steel and high temperature rubber compounds. Additional designs on request.

DYNAMIC CHARACTERISTICS FOR USE AS ISOLATOR

Pressure [bar]	3	4	5	6	7	Vol. [l]
Load [kN]	79,5	106,0	132,5	159,0	185,5	85,5
Spring rate [N/mm]	1.041	1.327	1.613	1.899	2.184	
Natural frequency [Hz]	1,81	1,77	1,74	1,73	1,72	
Isolation rate at 10 Hz	96,6%	96,8%	96,9%	96,9%	97,0%	

Values at recommended design height H: 265 mm - - - -

STATIC CHARACTERISTICS FOR USE AS ACTUATOR

Pressure [bar]		3	4	5	6	7	Vol. [l]
Height H [mm]	120	108,5	144,7	180,8	217,0	253,2	37,0
	160	103,5	138,0	172,5	207,0	241,5	54,0
	200	96,3	128,3	160,4	192,5	224,6	66,0
	240	86,5	115,3	144,2	173,0	201,8	75,8
	280	74,5	99,3	124,2	149,0	173,8	89,3

Force values [kN]

All Volume [l] values at 7 bar