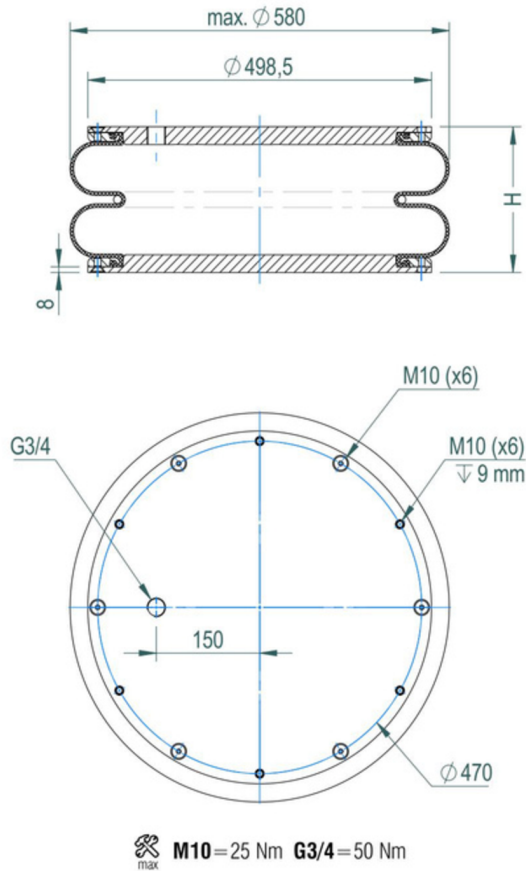


D SERIES
Dismountable Design

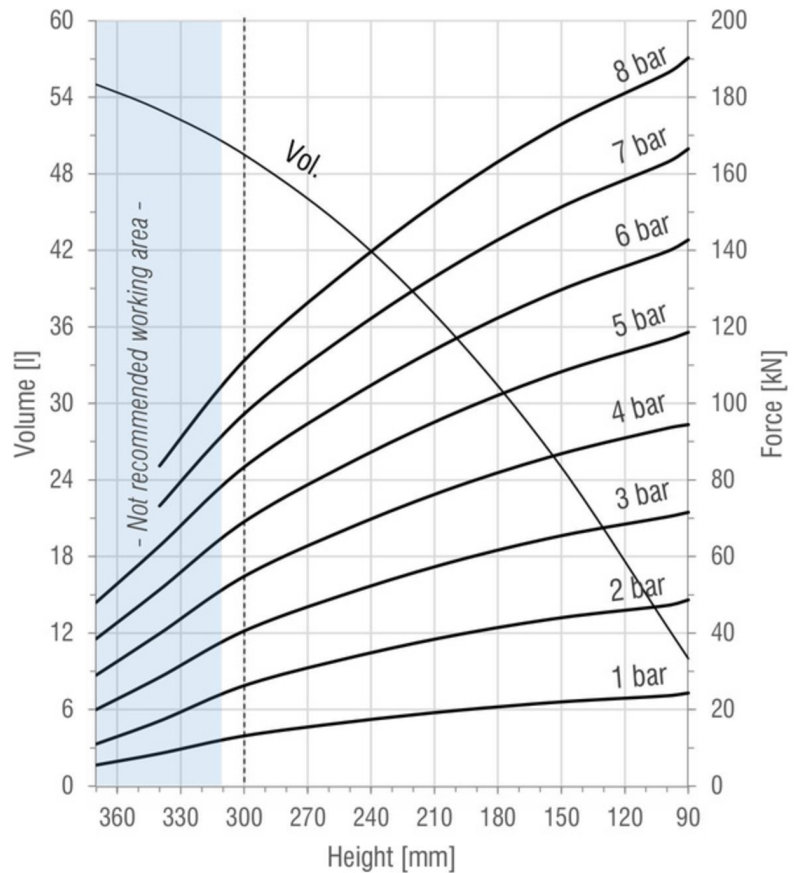
TVB-B20

DOUBLE
CONVOLUTION

DRAWING



FORCE-HEIGHT CHART



TECHNICAL DATA

PRODUCT CHARACTERISTICS

Static diameter [mm]	546
Max. diameter [mm]	580
Required space diameter [mm]	630
Min. height [mm]	90
Static height [mm]	200
Design height [mm]	300
Max. usable height [mm]	310
Max. stroke [mm]	220
Force to compress to H_{min} at 0 bar [N]	70
Weight [kg]	20,6

REFERENCES

21x2_B	Rubber bellow only
21x2_D	With aluminium end closures

Designs available with stainless steel and high temperature rubber compounds. $\varnothing 60$ mm plate and additional designs on request.

DYNAMIC CHARACTERISTICS FOR USE AS ISOLATOR

Pressure [bar]	3	4	5	6	7	Vol. [l]
Load [kN]	40,5	54,8	69,1	83,4	97,2	49,5
Spring rate [N/mm]	423	538	652	756	873	
Natural frequency [Hz]	1,62	1,57	1,54	1,51	1,50	
Isolation rate at 10 Hz	97,3%	97,5%	97,6%	97,7%	97,7%	

Values at recommended design height H: 300 mm -----

STATIC CHARACTERISTICS FOR USE AS ACTUATOR

Pressure [bar]		3	4	5	6	7	Vol. [l]
Height H [mm]	90	71,5	94,4	118,6	142,7	166,5	10,0
	100	70,4	93,5	116,6	139,7	163,0	12,5
	150	65,4	86,9	108,3	129,7	151,3	25,0
	200	58,8	78,2	97,6	116,9	136,4	35,2
	250	50,5	67,5	84,5	101,5	118,4	43,4
	300	40,5	54,8	69,1	83,4	97,2	49,5
340	28,4	39,8	51,3	62,8	73,2	53,0	

Force values [kN]

All Volume [l] values at 5 bar