

Air Spring

AIR SPRING TORPRESS - 3 CONVOLUTION

Properties

- are consisting of rubber or fabric membranes fitted at both ends with open flanges or metal plates with holes for air feed and threaded mounting bushes or bolts
- can be used as **ACTUATORS**, instead of pneumatic or hydraulic cylinders, or as **ANTI-VIBRATION** elastic mounts with a high vibrational isolation
- not require expensive control units and normally work with air network even at low pressure, both dry and lubricated
- low design height
- even work between nonparallel or misaligned planes
- long service life and maintenance free
- suitable for working in dusty or explosive environments
- absence of friction for the lack of sliding elements
- noiseless operation
- can bear load of a few kilogrammes up to 14 tons with travel up to 275 mm

Applications as Actuators

- vehicle applications
- materials handling equipment
- agricultural machinery
- food industry
- paper and textile equipment
- punch and forming presses
- sawmill machinery

Applications as Anti-Vibration

- diesel engines, generators
- foundation mounts
- heavy machinery
- measuring instruments
- power looms
- vehicle test rigs
- washing machines



Code - S2TOP....

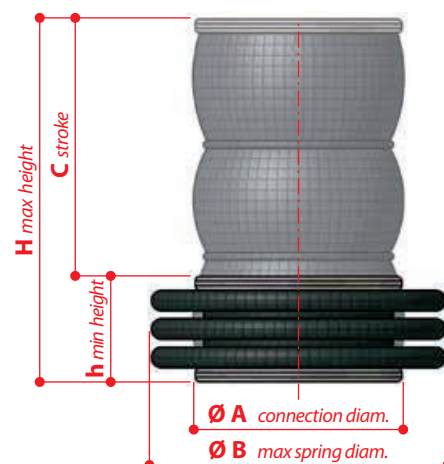
Material - NBR/Metal

Pressure - 0,0 ÷ 7,0 bar

Temperature - standard: -35 ÷ +80 °C
vers. HT: -35 ÷ +100 °C

Spring Dimensions

Model	Code		Connection type	Ø A	Ø B	H	h	C
	standard	HT		mm	mm	mm	mm	mm
31	95210	---	F2	369,4	700	700	85	615
325	203332	---	F2	306	400	500	80	420
322	92615	---	P4	228,6	310	408	133	275
322	87987	---	F2	306	310	400	125	275
321	88110	---	F2	306	380	400	125	275



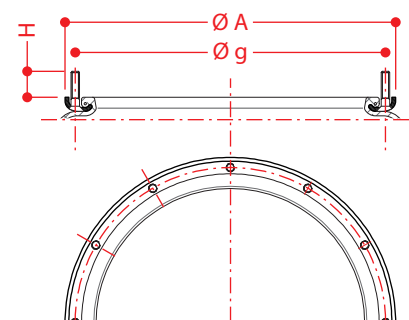
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Performance Table (referring to the Max operating pressure of 7 bar)

Model	Code		Connection type	Anti-Vibration		Actuators		
	standard	HT		h recomm.	Load	Stroke max	Force Fat min	max
				mm	Kn	mm	Kn	Kn
31	95210	---	F2	300	140,0	615	187,5	30,0
325	203332	---	F2	250	53,0	420	61,0	23,0
322	92615	---	P4	265	31,5	275	35,4	9,0
322	87987	---	F2	257	31,5	275	35,4	9,0
321	88110	---	F2	257	48,3	275	52,0	19,2

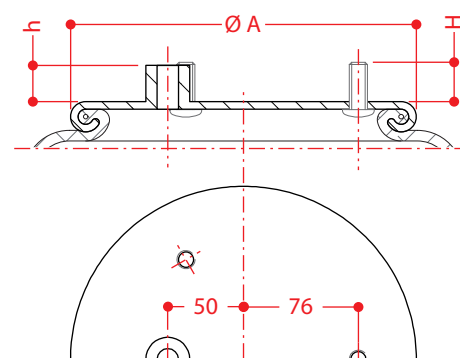


type F2

Dimensions Connection

Model	Connection type	Air Inlet	Ø A	Ø g	H	h	L	Connection bolts / holes	
								n°	Ø
		mm	mm	mm	mm	mm	mm		
31	F2		369,4	250,8	24			18	M8x1
325	F2		306	287,3	24			18	M8x1
322	P4	M14x1,5 *	228,6		26	24		3	M12x1,5
322	F2		306	228,5	24			12	M8x1
321	F2		306	287,3	24			12	M8x1

* two air inlet (1 for each plate)



type P4

ATAG reserves the right to make changes without notice, by virtue of any quality improvements and/or product specifications - apr_19 rbd