



DESCRIPTION

TRACOpres ECOcushions "HD" Heavy Duty are manufactured from reinforced flat rubber hose and are constructed to have a long lifetime. The hose is closed at both ends by means of stainless steel end plates. The lifting bags are ideal to replace short stroke pneumatic cylinders. Lifting bags are compact and with its max. height of 15mm easy to built in,

TECHNICAL SPECIFICATIONS

- Reinforced Nitrile Butylene hose
- Hose equipped with ridges
- Brass or stainless steel (AISI 303) air connections
- Stainless steel (AISI 304) end plates
- Hose material chemical resistant
- Every length possible up to 20 meter
- Temperature resistant from -35°C up to +100°C
- Standard equipped with one air connection, vertical (threaded) or horizontal (threaded or as hose connection).

APPLICATIONS

- Lifting
- Clamping
- Pressing
- Stamping
- Spreading

OPTIONS

- Extra air connections are possible for mounting solutions or for a shorter filling time.



In the table shown below the max. lifting forces are given in KN, at max allowable air pressure for a lifting bag of 1 meter long. The figures are rounded. 10KN = approx. 1000 KGf = approx. 1 Ton.

Typ/Stroke mm	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
ESH/ESV-165 max. 6 bar	78	68	60	51	43	34	26	18	9	1.5									
ESH/ESV-204 max. 5 bar	81	73	66	59	52	44	37	31	24	17	10	3.8							
ESH/ESV-245 Max. 5 bar	96	89	81	74	67	59	52	45	38	32	25	18	12	5.6					
ESH/ESV-325 Max. 4 bar	103	97	91	85	79	73	67	61	56	51	45	40	35	30	24	19	14	9.5	4.7

Type	A	B	C	D1	D2	P max.	Hub	Art. No. D1 Connection		Art. No. D2 Connection	
								Brass	AISI 304	Brass	AISI 304
ESV-165-V-D	17	35	165	1/4"	1/2"	6 Bar	92 mm	516501	516502	516503	516504
ESV-204-V-D	17	35	204	1/4"	1/2"	5 Bar	115 mm	520401	520402	520403	520404
ESV-245-V-D	17	35	245	1/4"	1/2"	5 Bar	135 mm	524501	524502	524503	524504
ESV-325-V-D	17	35	325	1/4"	1/2"	4 Bar	188 mm	532501	532502	532503	532504
ESH-165-H-D	17	35	165	1/8"		6 Bar	92 mm	516505	516506	-	-
ESH-204-H-D	17	35	204	1/8"		5 Bar	115 mm	520405	520406	-	-
ESH-245-H-D	17	35	245	1/8"		5 Bar	135 mm	524505	524506	-	-
ESH-325-H-D	17	35	325	1/8"		4 Bar	188 mm	532505	532506	-	-
ESH-165-H-S	17	35	165		∅ 7mm	6 Bar	92 mm	-	-	516507	-
ESH-204-H-S	17	35	204		∅ 7mm	5 Bar	115 mm	-	-	520407	-
ESH-245-H-S	17	35	235		∅ 7mm	5 Bar	135 mm	-	-	524507	-
ESH-325-H-S	17	35	325		∅ 7mm	4 Bar	188 mm	-	-	532507	-



Type ESH
Horizontal hose
connection
H-S (D2)



Type ESH
Horizontal
threaded conn.
H-D-1/8" (D1)



Type ESV
Vertical
threaded conn.
V-D-1/4" (D1) or
V-D-1/2" (D2)

