

## Flexible Pneumatic

### DESCRIPTION

TRACOpres ECOcushions are manufactured from reinforced rubber hose. The hose is closed at both ends by means of stainless steel end plates. The lifting bags are ideal to replace short stroke pneumatic air cylinders. Lifting bags are compact and easy to built in, with its max. height of 15mm only.

### TECHNICAL SPECIFICATIONS

- Reinforced Nitrile Butylene hose
- Hose equipped with ridges
- Brass or stainless steel air connections
- Stainless steel end plates
- Hose material chemical resistant
- Every length possible up to 20 meters
- Temperature resistant from -35°C up to +100°C
- Standard equipped with one air connection, threaded or as a hose connection

### APPLICATIONS

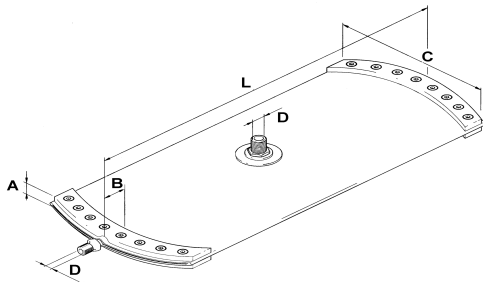
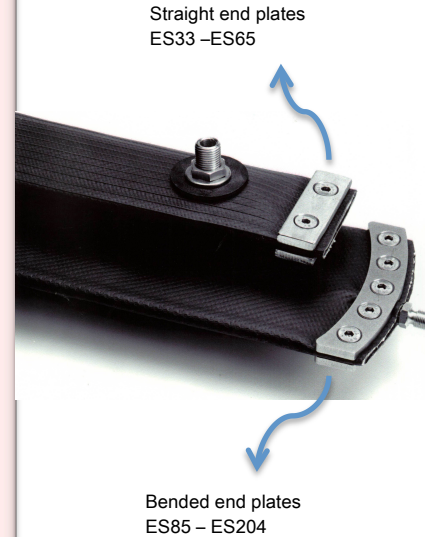
- \* Lifting
- \* Clamping
- \* Pressing
- \* Stamping
- \* Spreading

### OPTIONS

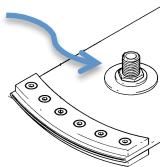
Extra air connections are possible for shorter filling time.

Lifting capacity as shown in the table beneath, shows the lifting capacity in KN at 1Bar air pressure for a lifting cushion of 1-meter length.

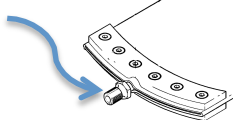
Type/Stroke	0	10	20	30	40	50	60	70	80	90	100	110
ES33	1.9	0.4										
ES44	2.8	1.3										
ES55	3.9	2.4	0.1									
ES65	4.1	2.6	1.1									
ES85	6.1	4.6	3.1	1.7	0.3							
ES105	8.0	6.4	4.9	3.5	2.1	0.7						
ES125	9.4	7.8	6.3	4.8	3.4	2.0	0.6					
ES165	13.1	11.6	10.0	8.5	7.0	5.6	4.2	2.8	1.5	0.3		
ES204	16.3	14.7	13.1	11.5	10.0	8.6	7.1	5.8	4.4	3.1	1.8	0.6



Vertical connection



Horizontal connection



Type	A	B	C	D1	D2	P max.	Stroke	Art. No. D1 connection		Art. No. D2 connection	
								Brass	St. steel	Brass	St. steel
ESV-33	9	15	33	M5	-	8 Bar	13 mm	401020	401000	-	-
ESV-44	9	15	44	1/8"	-	8 Bar	19 mm	401021	401001	-	-
ESV-55	11	15	55	1/8"	-	8 Bar	24 mm	401022	401002	-	-
ESV-65	13	20	65	1/4"	-	8 Bar	28 mm	401023	401003	-	-
ESV-85	13	20	85	1/4"	-	8 Bar	42 mm	401024	401004	-	-
ESV-105	15	20	105	1/4"	-	8 Bar	55 mm	401025	401005	-	-
ESV-125	15	20	125	1/4"	1/2"	7 Bar	65 mm	401026	401006	401030	401015
ESV-165	15	20	165	1/4"	1/2"	6 Bar	92 mm	401027	401007	401031	401016
ESV-204	15	20	204	1/4"	1/2"	5 Bar	115 mm	401028	401008	401032	401017
ESH-33	13	20	33	1/8"	∅ 7mm	8 Bar	9 mm	401120	401100	401200	-
ESH-44	13	20	44	1/8"	∅ 7mm	8 Bar	15 mm	401121	401101	401201	-
ESH-55	13	20	55	1/8"	∅ 7mm	8 Bar	22 mm	401122	401102	401202	-
ESH-65	13	20	65	1/8"	∅ 7mm	8 Bar	28 mm	401123	401103	401203	-
ESH-85	13	20	85	1/8"	∅ 7mm	8 Bar	42 mm	401124	401104	401204	-
ESH-105	15	20	105	1/8"	∅ 7mm	8 Bar	55 mm	401125	401105	401205	-
ESH-125	15	20	125	1/8"	∅ 7mm	7 Bar	65 mm	401126	401106	401206	-
ESH-165	15	20	165	1/8"	∅ 7mm	6 Bar	92 mm	401127	401107	401207	-
ESH-204	15	20	204	1/8"	∅ 7mm	5 Bar	115 mm	401128	401108	401208	-