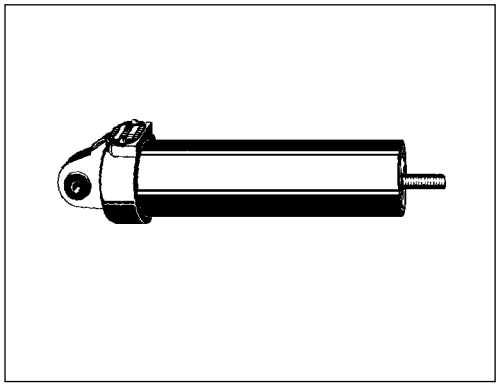
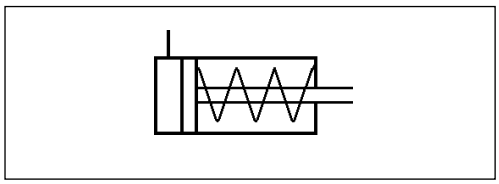
Cilindro de mando
Operating Cylinder

421 411





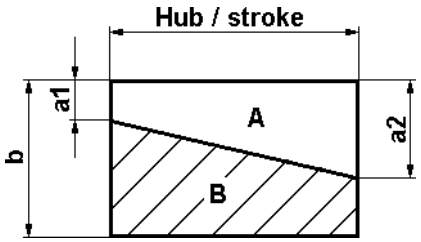
Technische Daten / Technical Data:	
Betriebsdruck Operating pressure	max. 10 bar
Kolbenhub Piston stroke	siehe Tabelle see table
Kolbendurchmesser Piston diameter	Ø 35 mm
Thermischer Anwendungsbereich Operating temperature range	- 40°C bis / to + 80°C *)
Zulässiges Medium Permissible medium	Luft air
Gewinde des Leitungsanschlusses Port thread size	M 12 x 1,5 *)
Gewicht Weight	siehe Tabelle see table

*) Ver comentarios para la desviación
*) For deviation see comments

Propósito: / Requisitos para la instalación:
ver 421 410

Purpose: / Installation Requirement:
see 421 410

Diagrama de fuerzas
Force diagram:



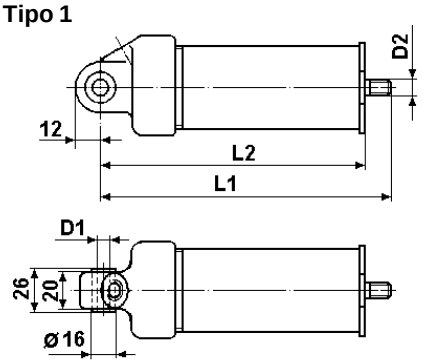
Bestellnummer Part Number	Hub Stroke in mm	Arbeitsdia-gramm bei Force diagram at	A = Federkraft A = spring force		B = Kolbenkraft B = piston force
			a 1	a 2	b
421 411 021 0	65	5,0 bar	104 N	278 N	470 N
421 411 026 0	85	4,5 bar	120 N	310 N	420 N
421 411 027 0	65	4,5 bar	100 N	260 N	420 N
421 411 029 0	50	4,5 bar	100 N	220 N	420 N
421 411 031 0	85	4,5 bar	120 N	310 N	420 N
421 411 035 0	50	6,5 bar	80 N	210 N	570 N
421 411 058 0	65	5,0 bar	110 N	270 N	450 N
421 411 070 0	38	6,0 bar	110 N	250 N	520 N
421 411 071 0	38	6,0 bar	110 N	250 N	520 N
421 411 078 0	65	5,0 bar	100 N	260 N	450 N
421 411 079 0	38	6,0 bar	110 N	250 N	520 N
421 411 300 0	85	4,5 bar	110 N	275 N	420 N
421 411 301 0	78	4,5 bar	120 N	300 N	420 N
421 411 302 0	85	4,5 bar	110 N	275 N	420 N
421 411 304 0	85	4,5 bar	110 N	275 N	420 N
421 411 305 0	54	4,5 bar	150 N	290 N	420 N
421 411 306 0	85	4,5 bar	110 N	275 N	420 N
421 411 308 0	85	4,5 bar	66 N	205 N	420 N
421 411 311 0	73	4,5 bar	90 N	400 N	420 N

Cilindro de mando
Operating Cylinder

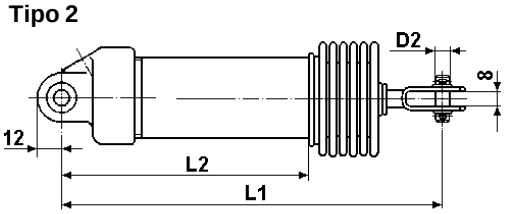
421 411

Instalación / Installation:

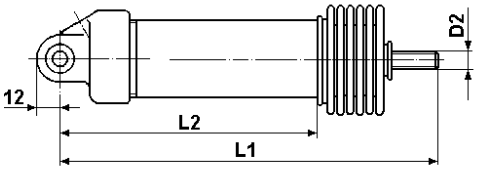
Tipo 1



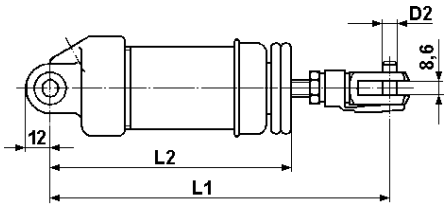
Tipo 2



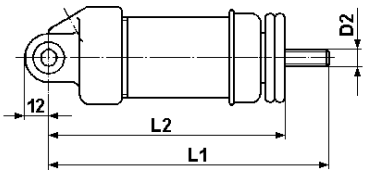
Tipo 2. 1



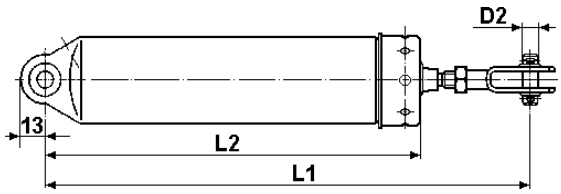
Tipo 3



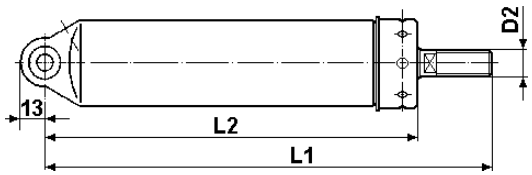
Tipo 3. 1



Tipo 4



Tipo 4. 1



Bestellnummer Part Number	Type	Hub Stroke in mm	Abmaße / Dimensions				Gewicht Weight in kg	Bemerkungen Comments
			L 1	L 2	D1	D 2		
421 411 021 0	1	65	185	158	Ø 8	M8	0,7	
421 411 026 0	2	85	248	175	Ø 8	Ø 8	0,8	
421 411 027 0	2	65	218	150	Ø 8	Ø 8	0,8	
421 411 029 0	1	50	159	147	Ø 8	M12	0,7	
421 411 031 0	1	85	228	182	Ø 8	M8	0,8	
421 411 035 0	1	50	193	147	Ø 8	M8	0,7	
421 411 058 0	1	65	185	147	Ø 8	M8	0,7	-30°C bis / to +170°C
421 411 070 0	3	38	155	115	Ø 10	Ø 8	0,5	
421 411 071 0	3	38	222	115	Ø 10	Ø 8	0,5	
421 411 078 0	2. 1	65	185	150	Ø 8	M8	0,72	
421 411 079 0	3. 1	38	134	115	Ø 8	M8	0,42	
421 411 300 0	4. 1	85	228	190	Ø 8	M12	0,54	-25°C bis / to +120°C
421 411 301 0	4. 1	78	187	166,5	Ø 8	M8	0,54	-25°C bis / to +140°C
421 411 302 0	4. 1	85	233	190	Ø 8	M12x1,5	0,54	-25°C bis / to +120°C
421 411 304 0	4	85	248	190	Ø 8	Ø 8	0,57	
421 411 305 0	4. 1	54	180	149	Ø 8	M8	0,54	1/4"-18 NPTF und/and -25°C bis / to +120°C
421 411 306 0	4. 1	85	227	190	Ø 8	M8	0,54	
421 411 308 0	4. 1	85	227	190	Ø 8	M8	0,54	
421 410 311 0	4. 1	73	187	166,5	Ø 8	M8	0,54	-25°C bis / to +140°C