

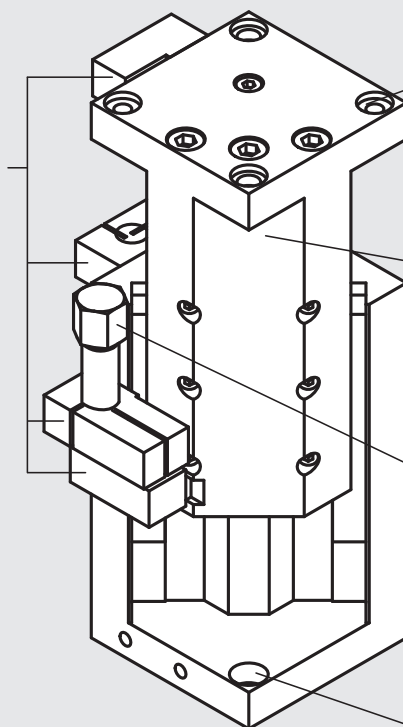
Technical information for pneumatic lifting units

Highly robust lifting units for universal application as short stroke modules. The standardised fastening holes allow diverse combinations with our other units. Precise centring system allows all modules to be combined with one another quickly and easily. Same size combinations without adapter plates.

- piston force at 6 bar: 80 N – 360 N.
- cylinder diameter: 16 mm – 32 mm.
- stroke lengths: 10 mm – 100 mm.
- repeat accuracy: up to ± 0.01 mm.
- diverse fastening possibilities.
- cross bearing guide for high torque loads and precision.
- ball guide sealed for rough applications with high precision.

high repeat accuracy and low wear through external hardened stop system

short cycles and less wear with hydraulic end position dampening (optional)



highest accuracy modules with each other by centering system

durable and robust housing made of solid material (high-strength aluminum, anodised) milled

no loss of position when exchanging proximity switch for stop sleeve

no stand required, can be fastened using the centering system on work tables

Travel times				
norelem	Size	Travel lengths (mm)	Load (kg)	time / cycle (with shock absorbers)
20050	4	10 / 25	0,200	0,3 s / 0,4 s
20050	6	25 / 50	0,200	0,3 s / 0,4 s
20054	6	50 / 75 / 100	5,000	0,5 s / 0,7 s / 0,8 s
20056	9	50 / 75 / 100	10,000	0,5 s / 0,7 s / 0,9 s

The specified guide values for cycle times were ascertained under operation specific conditions and represent effective values.

Selection overview				
Guidance	Cross roller		Sealed ball guide	
Design	compact	compact	robust	robust
Size	4	6	6	6
Travel lengths (mm)	10 / 25	25 / 50	50 / 75 / 100	50 / 75 / 100
Piston force at 6 bar (N)	80	185	220	360
Cylinder Ø (mm)	16	25	25	32
norelem	20050	20050	20054	20056