

Compact linear cylinder

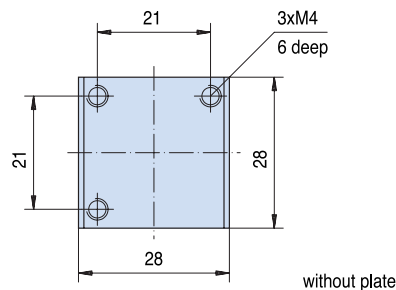
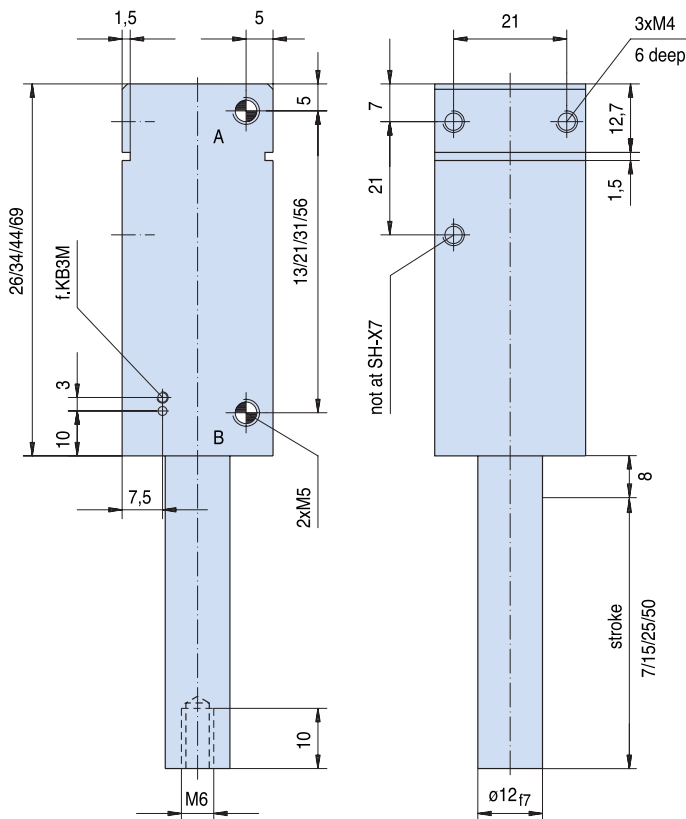


Advantages, benefits, comparisons and tips!
Stacks of information all about this product are on page 317.

Order no.:				
SH-X7	SH-X15	SH-X25	SH-X50	
Stroke [mm]:				
7	15	25	50	
Extension force, max. [N]:				
170	170	170	170	
Retraction force, max. [N]:				
100	100	100	100	
Air volume per cycle [cm³]:				
1,7	3,4	13,4	30,0	
Min./max. operating temperature [°C]:				
5/80	5/80	5/80	5/80	
Temp. resistant version up to 150°C [addition when ordering]:				
T1	T1	T1	T1	
Weight [kg]:				
0,090	0,100	0,130	0,180	

All data measured at 6 bar.

See Page 317 for Accessory list.



Pneumatic cylinders

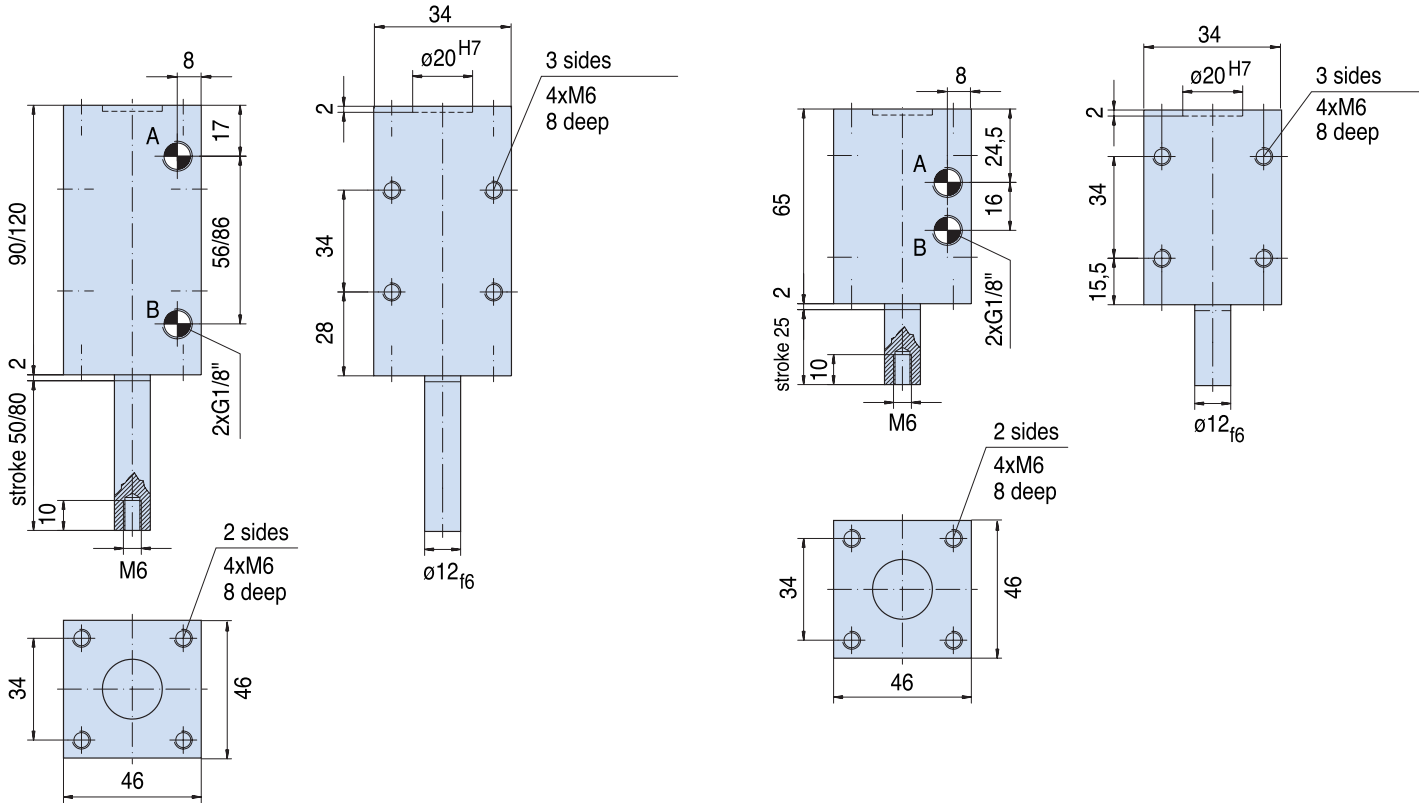


Advantages, benefits, comparisons and tips!
Stacks of information all about this product are on page 317.

Order no.:		
PZ32-25	PZ32-50	PZ32-80
Stroke [mm]:		
25	50	80
Extension force, max. [N]:		
460	460	460
Retraction force, max. [N]:		
400	400	400
Min. running speed [m/s]:		
0,02	0,02	0,02
Max. running speed [m/s]:		
0,6	0,6	0,6
Air volume per cycle [cm³]:		
36	75	120
Min./max. operating temperature [°C]:		
5/80	5/80	5/80
Temp. resistant version up to 150° C [addition when ordering]:		
T1	T1	T1
Weight [kg]:		
0,4	0,5	0,7

All data measured at 6 bar.

See Page 317 for Accessory list.



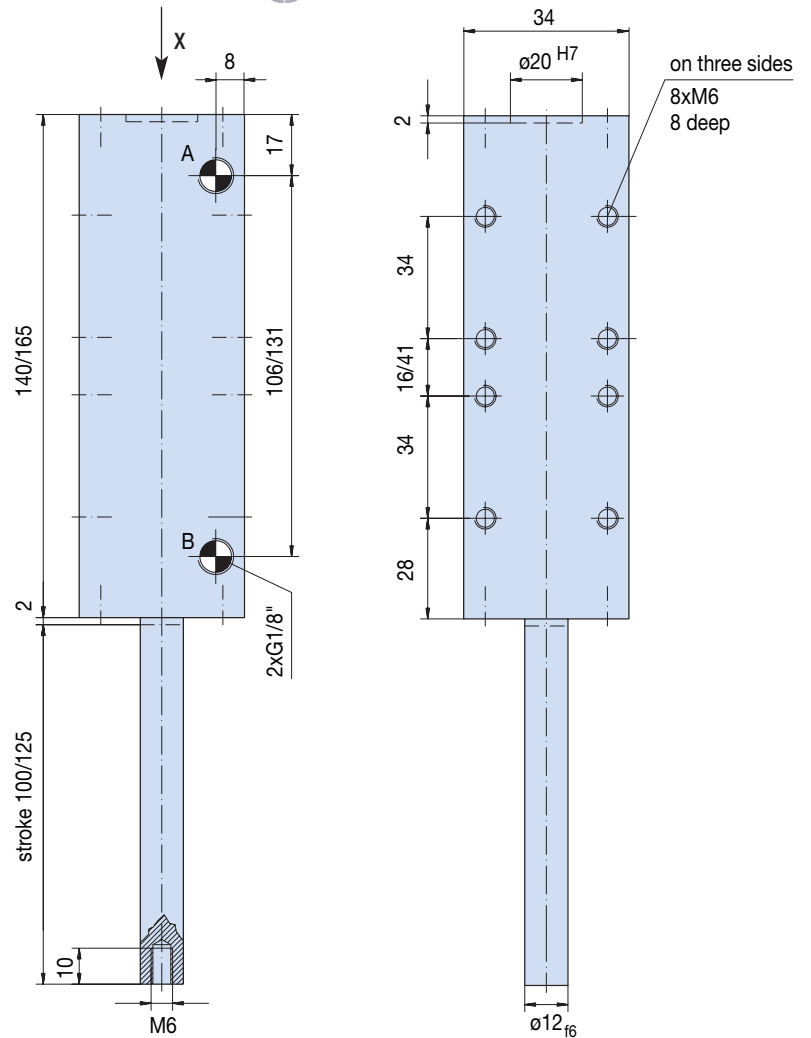
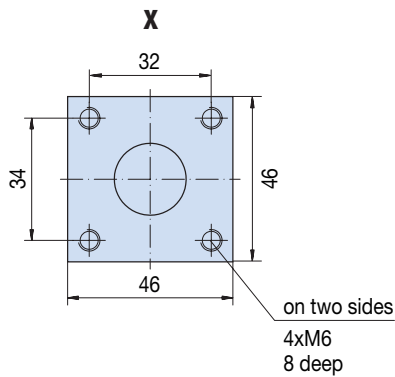
Pneumatic cylinders

Advantages, benefits, comparisons and tips!
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on page 317.

Order no.:	
PZ32-100	PZ32-125
Stroke [mm]:	
100	125
Extension force, max. [N]:	
460	460
Retraction force, max. [N]:	
400	400
Min. running speed [m/s]:	
0,02	0,02
Max. running speed [m/s]:	
0,6	0,6
Air volume per cycle [cm³]:	
150	187
Min./max. operating temperature [°C]:	
5/80	5/80
Temp. resistant version up to 150° C [addition when ordering]:	
T1	T1
Weight [kg]:	
0,8	0,9

All data measured at 6 bar.

See Page 317 for Accessory list.



Pneumatic cylinders

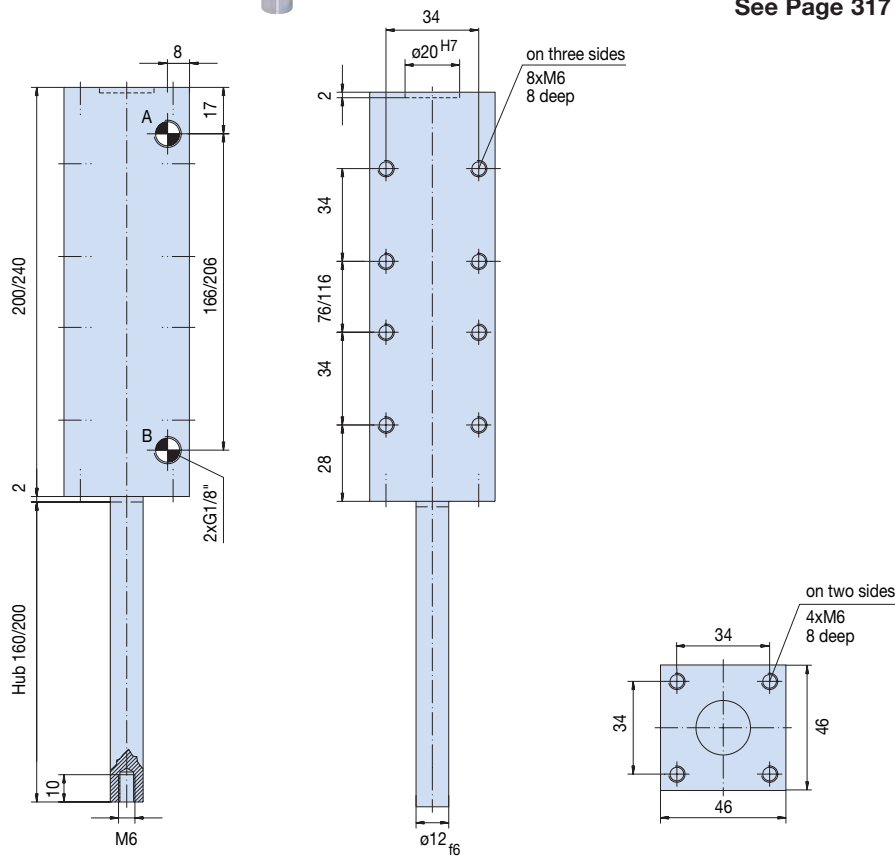
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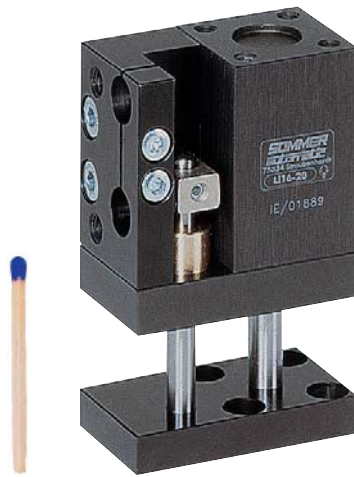
Order no.:	
PZ32-160	PZ32-200
Stroke [mm]:	
160	200
Extension force, max. [N]:	
460	460
Retraction force, max. [N]:	
400	400
Min. running speed [m/s]:	
0,02	0,02
Max. running speed [m/s]:	
0,6	0,6
Air volume per cycle [cm ³]:	
225	300
Min./max. operating temperature [°C]:	
5/80	5/80
Temp. resistant version up to 150° C [addition when ordering]:	
T1	T1
Weight [kg]:	
1,0	1,2

All data measured at 6 bar.

See Page 317 for Accessory list.



Linear cylinder

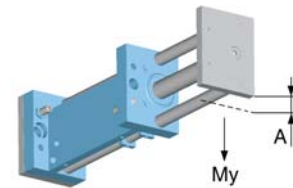


Advantages, benefits, comparisons and tips!
Stacks of information all about this product are
on page 325.

Order no.:	
LI16-20	LI16-35
Stroke [mm]:	
20	35
Extension force, max. [N]:	
100	100
Retraction force, max. [N]:	
80	80
Air consumption, per cycle [cm ³]:	
5	13
Min./max. operating temperature [°C]:	
5 / 80	5 / 80
Temp. resistant version up to 150°C [addition when ordering]:	
T2	T2
Weight [kg]:	
0,15	0,18

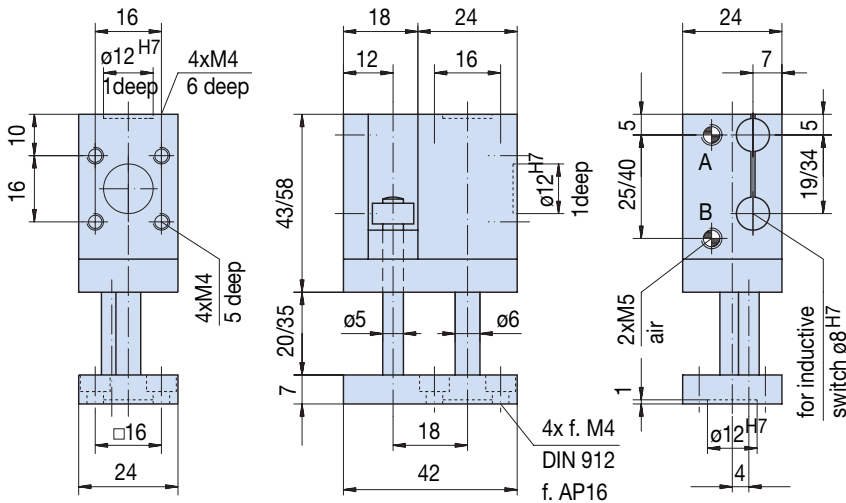
All data measured at 6 bar.

Max Allowable Forces



Order no.:	
LI16-20	LI16-35
Load My max. [N]:	
25	15
Deflection A max. [mm]:	
0,05	0,05

See Page 325 for Accessory list.



Linear cylinder

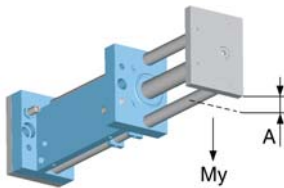
Advantages, benefits, comparisons and tips!
Stacks of information all about this product are
on page 325.

Order no.:			
LI30-15	LI30-30		
Stroke [mm]:			
14,5	29,5		
Extension force, max. [N]:			
270	270		
Retraction force, max. [N]:			
200	200		
Air consumption, per cycle [cm ³]:			
12	25		
Min./max. operating temperature. [°C]:			
5 / 80	5 / 80		
Temp. resistant version up to 150°C [addition when ordering]:			
T2	T2		
Weight [kg]:			
0,30	0,36		

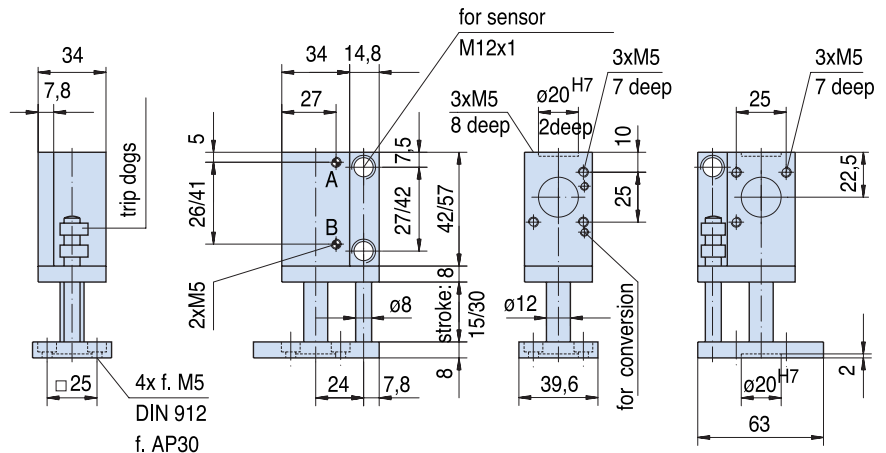
All data measured at 6 bar.



Max Allowable Forces



Order no.:			
LI30-15	LI30-30		
Load My max. [N]:			
70	50		
Deflection A max. [mm]:			
0,05	0,05		



See Page 325 for Accessory list.

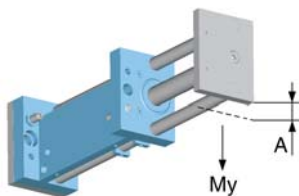
Linear cylinder

Advantages, benefits, comparisons and tips!
Stacks of information all about this product on page 325.

Order no.:				
L140-40	L140-90			
Stroke [mm]:				
39,5	89,5			
Extension force, max. [N]:				
450	450			
Retraction force, max. [N]:				
270	270			
Air consumption, per cycle [cm ³]:				
50	117			
Min./max. operating temperature [°C]:				
5 / 80	5 / 80			
Temp. resistant version up to 150°C [addition when ordering]:				
T2	T2			
Weight [kg]:				
0,74	1,07			

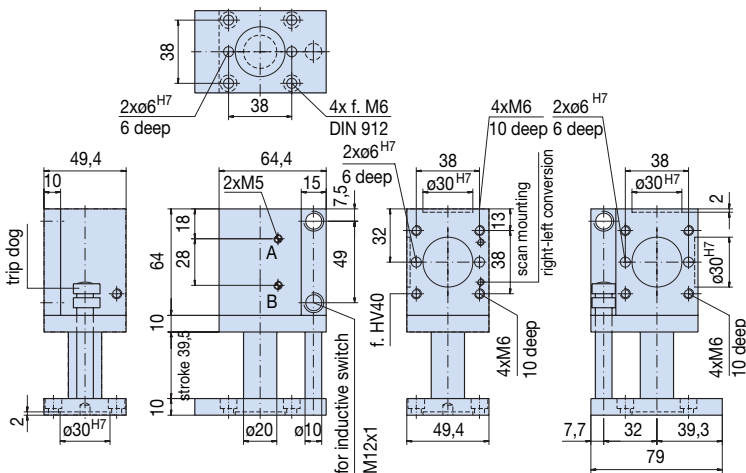
All data measured at 6 bar.

Max Allowable Forces

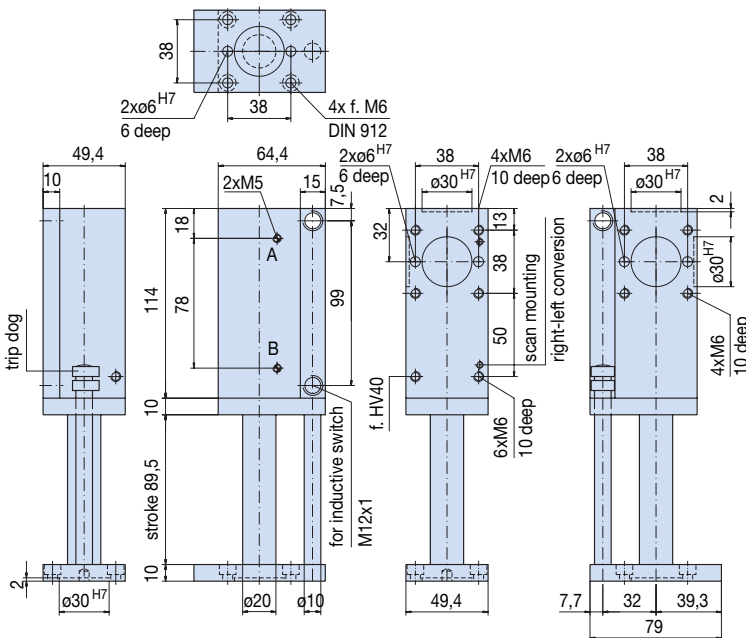


Order no.:				
L140-40	L140-90			
Load My max. [N]:				
80	30			
Deflection A max. [mm]:				
0,05	0,05			

See Page 325 for Accessory list.



L140-40



L140-90

Linear cylinder

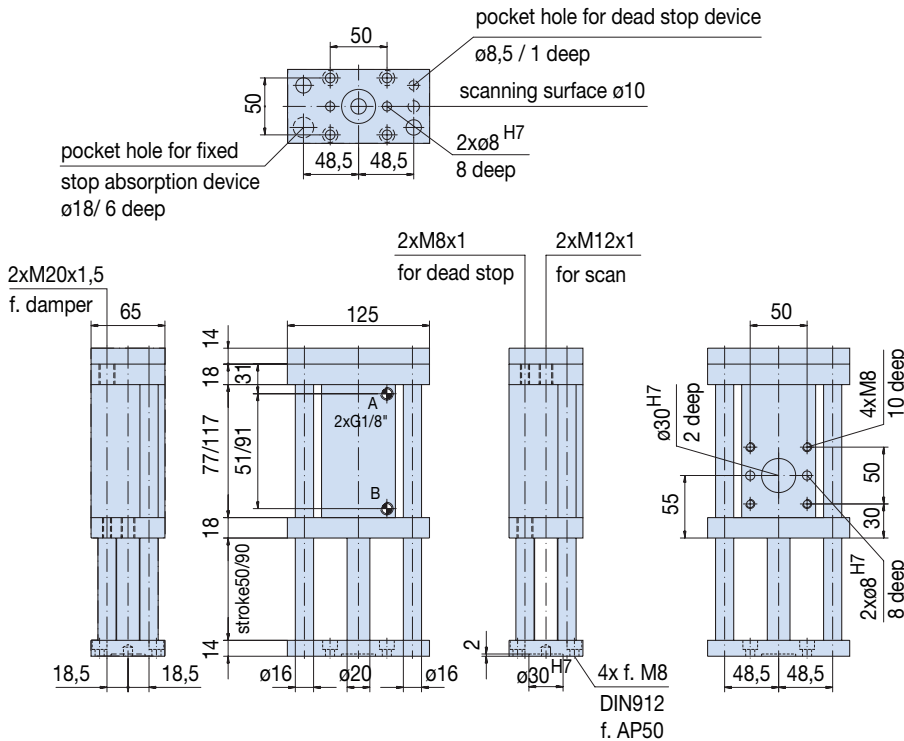
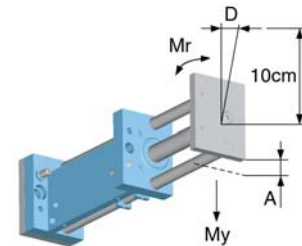


Advantages, benefits, comparisons and tips!
Stacks of information all about this product are
on page 325.

Order no.:	
LI50-50S	LI50-90S
Stroke [mm]:	
50	90
Extension force, max [N]:	
950	950
Retraction force, max. [N]:	
950	950
Air consumption per cycle [cm ³]:	
166	300
Min./max. operating temperature [°C]:	
5 / 80	5 / 80
Temp. resistant version up to 150°C [addition when ordering]:	
T2	T2
Weight [kg]:	
2,94	3,62

All data measured at 6 bar.

Max Allowable Forces



Order no.:	
LI50-50S	LI50-90S
Load My max. [N]:	
300	200
Deflection A max. [mm]:	
0,03	0,05
Radial Load Mr max. [Ncm]:	
1500	1100
Max. rotation D at 100 mm [mm]:	
0,08	0,08

See Page 325 for Accessory list.

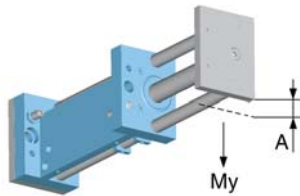
Linear cylinder

Advantages, benefits, comparisons and tips!
Stacks of information all about this product are
on page 325.

Order no.:	
LI30-60D	LI30-90D
Stroke [mm]:	
59,5	89,5
Extension force, max. [N]:	
200	200
Retraction force, max. [N]:	
200	200
Air consumption, per cycle [cm ³]:	
50	66
Min./max. operating temperature [°C]:	
5 / 80	5 / 80
Temp. resistant version up to 150°C [addition when ordering]:	
T2	T2
Weight [kg]:	
0,70	0,85

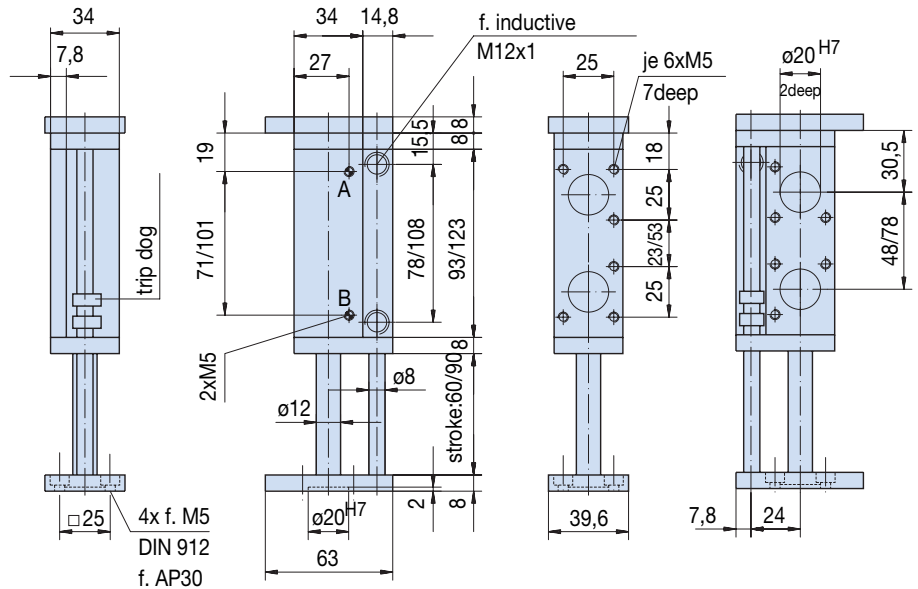
All data measured at 6 bar.

Max Allowable Forces



Order no.	
LI30-60D	LI30-90D
Load My max. [N]:	
80	60
Deflection A max. [mm]:	
0,10	0,10

See Page 325 for Accessory list.



Linear cylinder

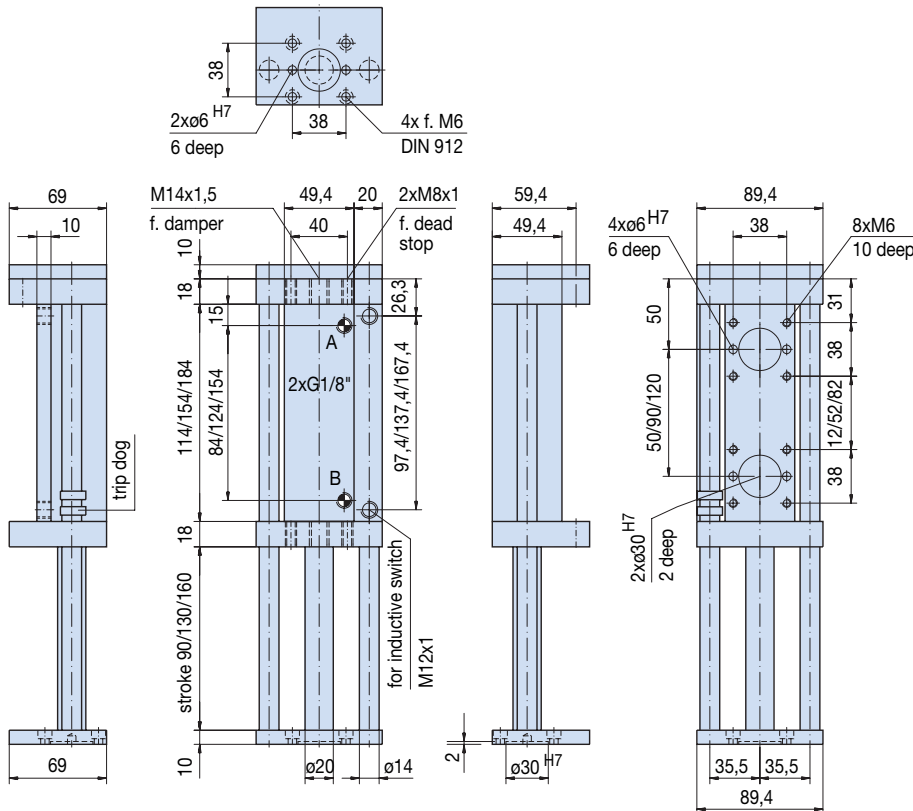
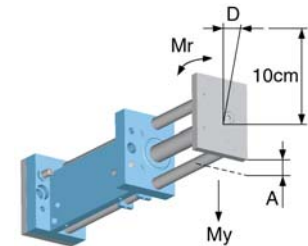


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Stacks of information all about this product are
on page 325.

Order no.:			
L140-90S	L140-130S	L140-160S	
Stroke [mm]:			
90	130	160	
Extension force, max [N]:			
270	270	270	
Retraction force, max. [N]:			
270	270	270	
Air consumption per cycle [cm ³]:			
100	133	166	
Min./max. operating temperature [°C]:			
5 / 80	5 / 80	5 / 80	
Temp. resistant version up to 150°C [addition when ordering]:			
T2	T2	T2	
Weight [kg]:			
2,85	3,47	3,91	

All data measured at 6 bar.

Max Allowable Forces



Order no.:			
L140-90S	L140-130S	L140-160S	
Load My max. [N]:			
300	230	150	
Deflection A max. [mm]:			
0,09	0,13	0,16	
Radial Load Mr max. [Ncm]:			
600	400	320	
Max. rotation D at 100 mm [mm]:			
0,10	0,10	0,10	

See Page 325 for Accessory list.

Linear cylinder

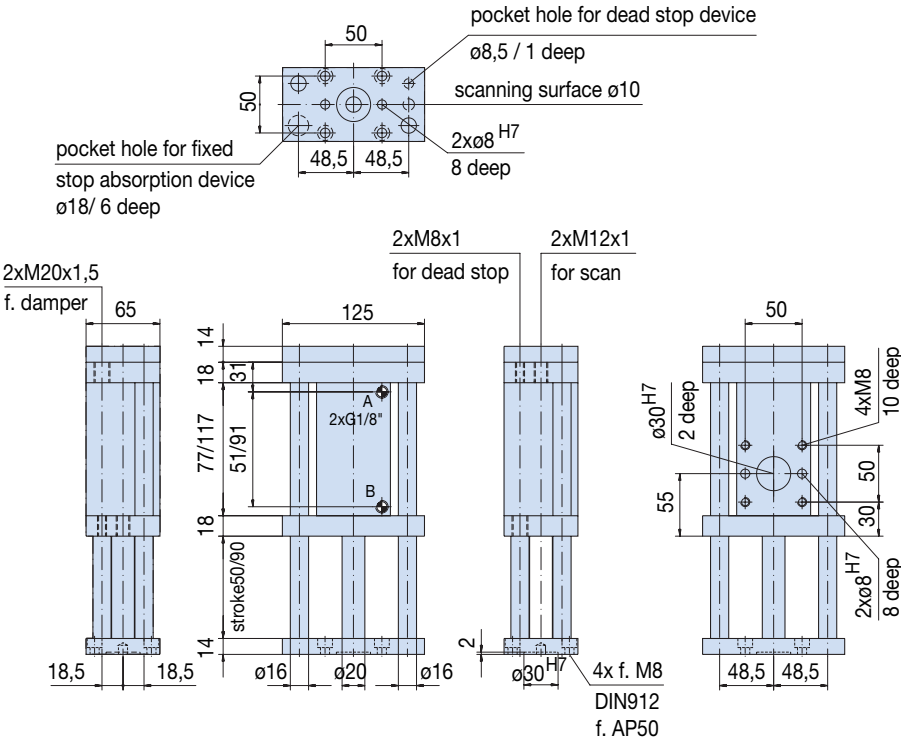
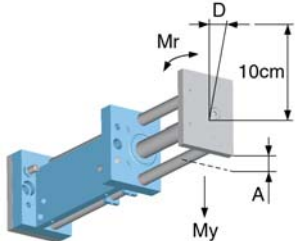


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Stacks of information all about this product are on page 325.

Order no.:			
LI50-50S	LI50-90S		
Stroke [mm]:			
50	90		
Extension force, max [N]:			
950	950		
Retraction force, max. [N]:			
950	950		
Air consumption per cycle [cm ³]:			
166	300		
Min./max. operating temperature [°C]:			
5 / 80	5 / 80		
Temp. resistant version up to 150°C [addition when ordering]:			
T2	T2		
Weight [kg]:			
2,94	3,62		

All data measured at 6 bar.

Max Allowable Forces



Order no.:			
LI50-50S	LI50-90S		
Load My max. [N]:			
300	200		
Deflection A max. [mm]:			
0,03	0,05		
Radial Load Mr max. [Ncm]:			
1500	1100		
Max. rotation D at 100 mm [mm]:			
0,08	0,08		

See Page 325 for Accessory list.