
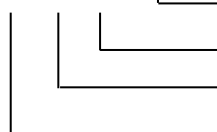


Technical data

Dimensions and weights of SLZ standard actuators

Size range (nominal force) kN		10-63	100/160	250/400	630		1000	
Models (actuator name)	SLZ 10				SLZ 630	SLZ 630 H	SLZ 1000	SLZ 1000 H
	SLZ 16							
	SLZ 25	SLZ 100	SLZ 250					
	SLZ 40	SLZ 160	SLZ 400					
	SLZ 63							
	Nominal stroke S _n (mm)							
Dimension A ₀	40	498	-	-	-	-	-	-
	100	558	605	605	705	750	705	750
	250	856	905	905	1005	1050	1005	1050
	400	1156	1205	1205	1305	1350	1305	1350
B		205	275	370	470	-	550	-
C		126	224	315	370		440	
C ₁		-	125	190	236		300	
C ₂		-	28	39	50		50	
C ₃		125	205	280	360		430	
C ₄		15	54	60	79		82	
E		Ø100 10xM12	Ø160 12xM12	Ø224 12xM16	Ø280 12xM20		Ø355 12xM24	
E ₁		25	25	37	30		50	
G		Ø180 10x Ø11	Ø250 12x Ø14	Ø335 12x Ø17.5	Ø425 12x Ø22	-	Ø500 12x Ø26	-
H		50	60	69	80	-	90	-
J		57	105	145.5	180.5		216	
(K _A) K		(43) 45	80	125	160		200	
L		35 H7	20	40	40			
M		M24	Ø45 8xM10	Ø71 8xM16	Ø112 8xM24			
N		50	25	36	45			
V (extension)		-	35	45	45	-	45	-
Overflow W		18	18	8	5			
	Nominal stroke S _n (mm)							
weight (kg)	SLZ-...-40	35	-	-	-	-	-	-
	SLZ-...-100	38	155	295	500	-	740	-
	SLZ-...-250	65	240	435	730	-	1060	-
	SLZ-...-400	77	300	560	960	-	1380	-

Example: SLZ 630-100 VH 



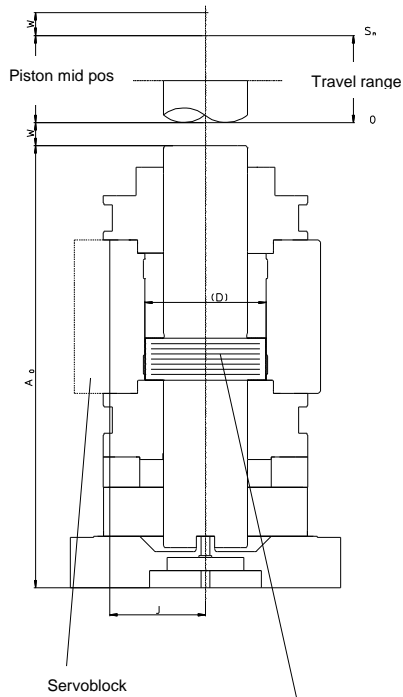
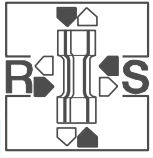
Head mounting
Piston extension 45mm
Stroke 100mm
Nominal force 630kN

V) A piston extension is required when an actuator SLZ 100 up to

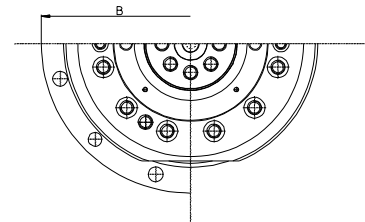
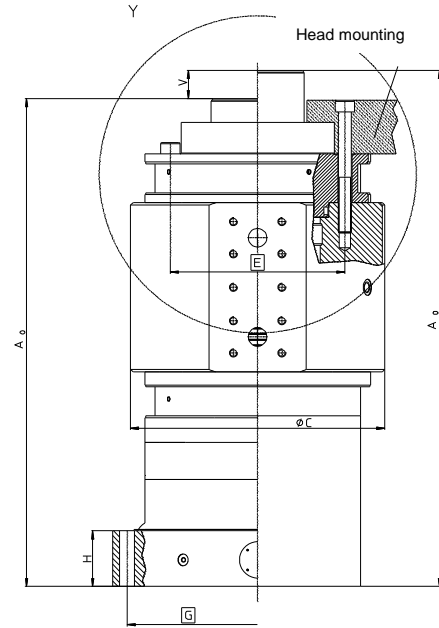
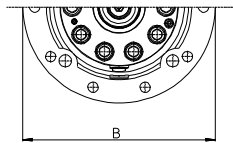
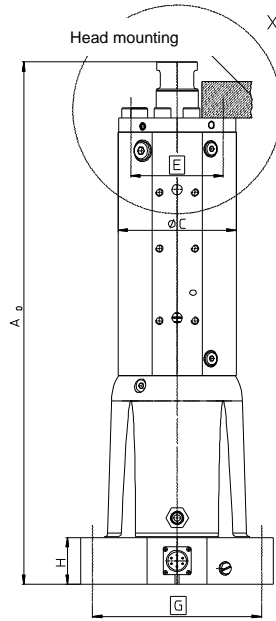
SLZ 1000 is mounted in a machine frame PC. Coding example: SLZ 630-100 V.

H) Head mounting by tapped holes in the top of the chassis (see page 3) Coding example: SLZ 630-100 H.

*) Dimension F: cross head (respectively thickness of plate) of frame PC.



Piston stop
(relaxed position)

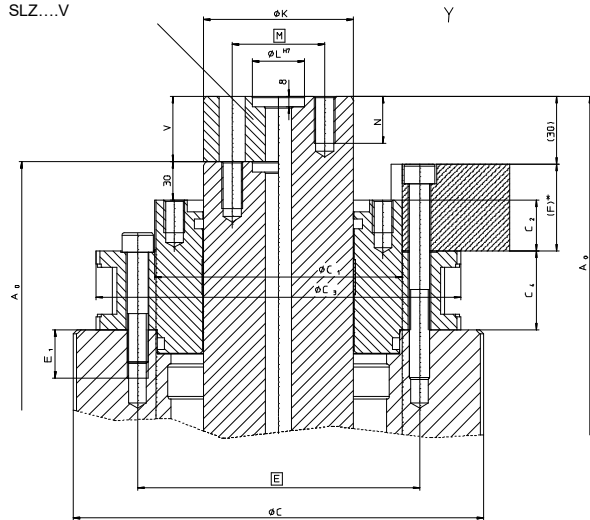
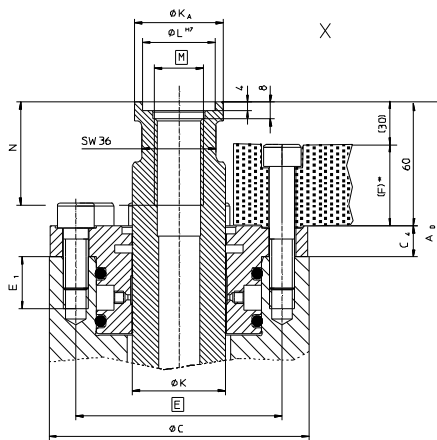


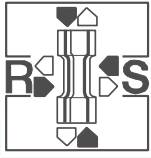
SLZ 10/ 16/ 25/ 40/ 63
detail X
SLZ 100/ 160/ 250/ 400/ 630/ 1000
detail Y

Piston expanse

$$A_K = \frac{\pi}{4} (D^2 - K^2)$$

Piston extension
SLZ...V

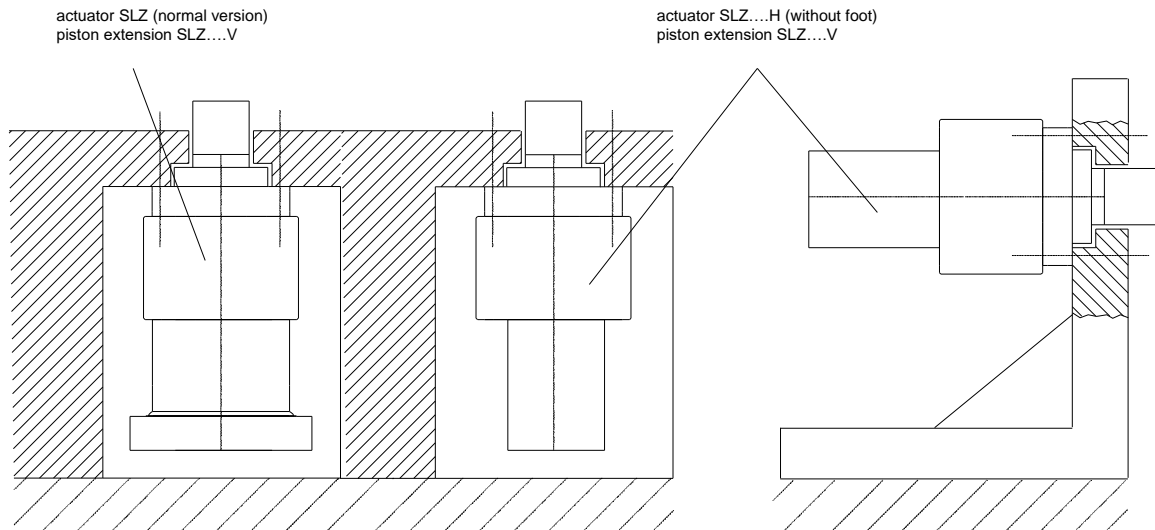




Completion to page 2 (detail X and Y)

The piston rod includes a central thread at small actuators (nominal force 10-63kN), bigger actuators (nominal force 100kN and more) are equipped with a hole pitch circle, measure **M** site 1 and 2, for the connection with spanning-equipment, power-transmission tools, cardan-links, force-transducers, etc..

Head-mounting



Possibilities of application

Linear actuators type SLZ can be installed upright, horizontally or suspended in test systems and machines. By projecting a test-bench the space requirement of valveplate, multivalve, servoblock and other parts like as tubes and cables may not be neglected.

Foot mounting: Linear actuators type SLZ with base flange can be screwed to foundations, base plates and testing frames with the help of the holes of the hole pitch circle.

Head mounting: The necessary threaded holes for head mounting of linear actuators type SLZ on a machine table or on the crosshead of a 2-column or 4-column machine frame are provided in the upper part of the actuator housing.