



## Linear actuators series AH

### Product description



Hydraulic actuators series AH are hydrostatic beared, double acting actuators, best for dynamic material and component testing. The actuators have hydrostatic bearings for no friction and no hysteresis operation up to there nominal load. Additional plastic coating ensures no damaging of the bearings if the nominal side load is exceeded. The system pressure for the series AH actuators is 280 bar. The actuator will reach its nominal load at 250 bar. The actuators have an integrated displacement transducer for measure the piston rod position.

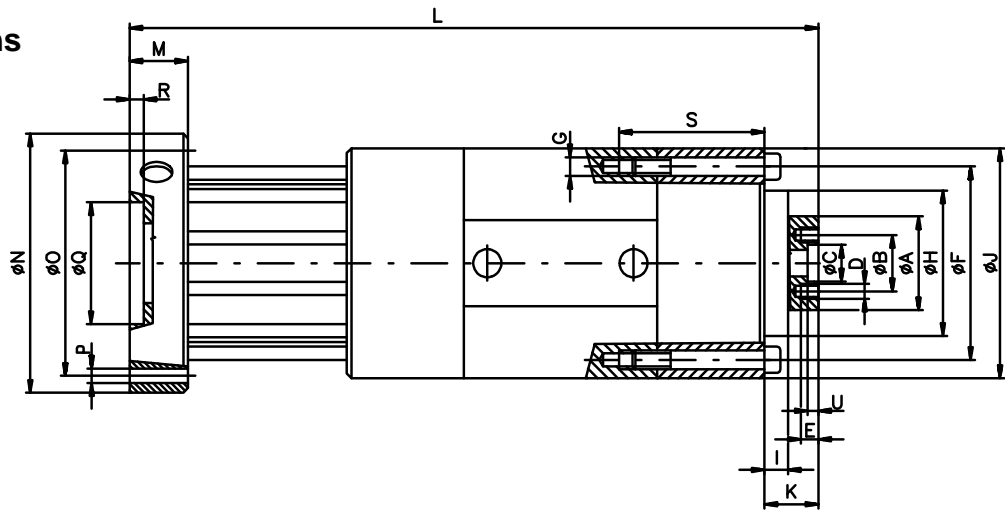
### Options

- Internal drain for operation without leakage pump
- Enlarged end cushions
- strengthened piston rod
- piston rod rotation lock
- Non standard stroke and load on request
- Servovalves SV
- Valve plates SC
- Flushing plate
- Joints JC, JB
- Multivalves MV
- accumulators XA
- Servovalve dummy plate
- Leakage pump



# Inova Testing Systems

## Specifications



Type		AH 10/25	AH 40/63	AH 100/160	AH 250	AH 400	AH 630	AH 1000	AH 2500
Nominal	kN	10, 16, 20, 25	40, 50, 63	100, 160	250	400	630	1000	2500
A	mm	Ø45	Ø55	Ø80	Ø125		Ø160	Ø200	Ø315
B	mm	Ø30	Ø30	Ø45	Ø71	Ø95	Ø112	Ø117	Ø250
C	mm	Ø18H7	Ø18H7	Ø18H7	Ø30H7		Ø50H7	Ø50H7	Ø160H7
D	mm	8xM6	8xM6	8xM10	8xM16	8xM20	8xM24	8xM24	12xM30
E	mm	40	40	65	130	150	180	270	50
F	mm	Ø80	Ø100	Ø160	Ø224		Ø280	Ø335	Ø560
G	mm	8xM8	6xM10	12xM10	12xM16	12xM20	12xM24	12xM24	12xM36
H	mm	Ø65g6	Ø75g6	Ø125g6	Ø190g6		Ø236g6	Ø300g6	Ø670
I	mm	15	15	20	25	25	25	30	30
J	mm	Ø110	Ø130	Ø200	Ø280		Ø340	Ø420	Ø420
K	mm	45	45	50	55	55	55	60	80
L <sub>100</sub> stroke	mm	520	535	565	600		690	750	960
L <sub>250</sub> stroke	mm	820	835	865	900		990	1050	1260
L <sub>400</sub> stroke	mm	1120	1135	1165	1200		1290	1350	1560
M	mm	40	40	50	60		70	80	125
N	mm	Ø130	Ø140	Ø215	Ø285	Ø330	Ø350	Ø420	Ø880
O	mm	Ø110	Ø120	Ø180	Ø245	Ø290	Ø320	Ø380	Ø800
P	mm	8xØ9	6xØ11	12xØ11	12xØ17		12xØ22	12xØ26	12xØ38
Q	mm	Ø55	Ø55	Ø105	Ø105		Ø105	Ø105	Ø130
R	mm	4	4	6	10		10	10	15
S	mm	70	70	75	110		142	142	160
U	mm	4	4	6	6		8	8	8
weight									
L <sub>100</sub> stroke	Kg	24	36	110	260		430	660	2150
L <sub>250</sub> stroke	kg	37	59	150	360		640	950	2950
Allowed radial load									
L <sub>100</sub> stroke –	kN	2,5	5	11	33		65	105	220
L <sub>250</sub> stroke –	kN	0,6	1,5	5	22		55	88	160

\* under mixed friction conditions for short time allowable radial load is  $F_{Qmixed} < 2.2 \times F_Q$

Press date 27.37.2007 - Subject to change without notice