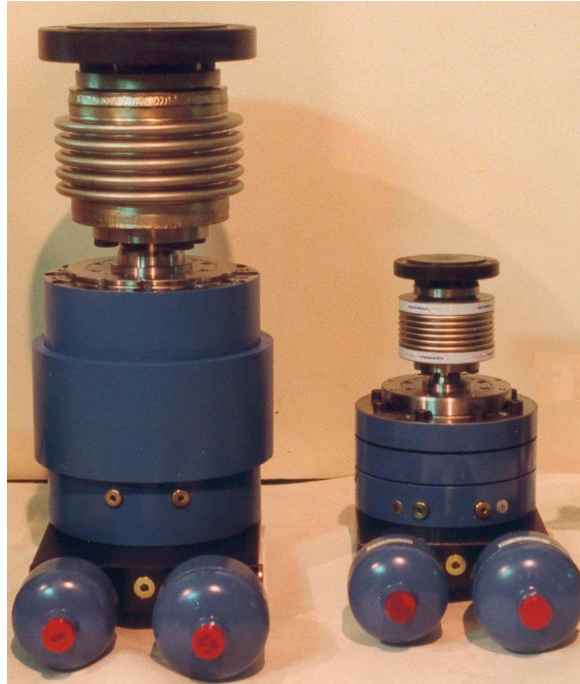




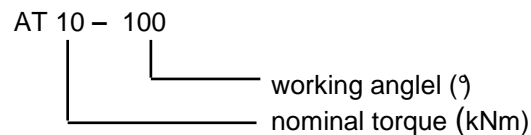
# Torsion Actuators Series AT

## Product description



Torsion hydraulic actuators AT series are used for torsion loading of test specimens. Actuators have two wings with limited angle of move round. The construction of the actuators is optimised for high speeds and frequency of loading. The actuators can be used by high radial and axial loading of their shaft. Between wings and actuator body is the clearance seal. Radial bearings are either hydrostatic or needle. Axial bearings are either hydrostatic or plain. All parts of body and rotor, that can have a contact by overloading, as well as journal bearings, are covered with plastic. Working pressure of the actuator is 28 MPa, and the actuator attain nominal force under the pressure 25 MPa.

### Type identification key



### Options

- system pressure 21 MPa
- enlarged end cushions

### Accessories and complements

- servovalve SV
- connection plates SCT
- multivalve MV
- accumulators XA
- suction pump
- torque transducer
- connection clutch



# Inova Testing Systems

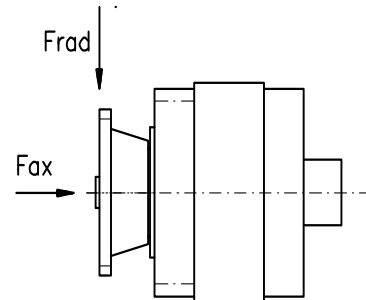
## Specifications:

Basic parameters:

nominal pressure	MPa	28
working angle	°	±50
damping	°	±10

Maximal loading on the shaft:

Typ	0.5	1	2	4	8	16	32
Frad (kN)	2.5	4	6	8.5	16	25	30
Fax (kN)	20	20	30	40	55	70	85



Type		AT 0.5	AT 1	AT 2	AT 4	AT 8	AT16	AT32
nominal torque	Nm	500	1000	2000	4000	8000	16000	32000
∅A	mm	100/ 12xM10, 12x∅11	100/ 12xM10, 12x∅11	125/ 12xM12, 12x∅13	160/ 12xM16, 12x∅18	200/ 12xM20, 12x∅22	250/ 16xM20, 16x∅22	315/ 16xM24, 16x∅26
∅B g6	mm	150	150	200	240	300	375	470
∅C	mm	134/ 8xM8	134/ 8xM8	180/ 12xM10	212/ 12xM12	270/ 12xM16	335/ 12xM20	420/ 12xM24
D	mm	20	20	16	20	30	30	36
∅E	mm	-	-	160	190	240	300	360
F	mm	15	15	20	25	25	30	35
∅G	mm	210	210	250	270	340	400	515
∅H	mm	80	80	80	80	80	80	80
I	mm	40	40	40	40	40	40	40
J	mm	165	203	240	280	310	360	450
L	mm	265	303	365	420	480	550	680
weight app.	kg	47	58	98	141	250	390	770

