



## 6. Accessories

### 6.1 Electricals

**Supply coaxial cables:** one side connector, other side free for attaching piezocomponents such as bare stacks etc.

Cable type RG 178 (PTFE), thickness 1.8 mm:  
length 1.5 m

Connectors available: BNC, LEMO 0S250,  
LEMO 00250

#### Extension cables:

Cable types RG 178, length 2 m/4 m/6 m



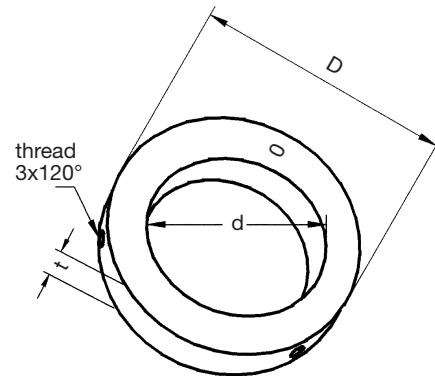
**Connecting adaptors** for matching different connecting systems BNC/LEMO 0S250, BNC/LEMO 00250

### 6.2 Mechanics

#### Adaptor rings

The adaptor rings are normally used to match the diameter of actuators with casing to mirror mounts, defined for a distinct mirror's diameter. An often

used combination are ring actuators (e.g. with casing VS22), which are adopted to 2" mirror mount system. The proper adaptor ring is an AR (51/22).



Designation AR X/Y X external diameter, Y internal diameter (corresponds to actuator's casing's diameter), T thickness of ring (all dimensions in mm)

AR	25/10	t	5
AR	25/12	t	5
AR	25/18	t	5
AR	50/18	t	7
AR	50/20	t	7
AR	50/22	t	7
AR	50/25	t	7
AR	50/35	t	7

AR	31/12	t	7
AR	31/22	t	7
AR	31/25	t	7
AR	51/18	t	7
AR	51/20	t	7
AR	51/22	t	7
AR	51/25	t	7
AR	51/35	t	7



### 6.3 Optic adaptor for ring actuators

Ring actuators are often used within optical arrangements for precise adjustment of transmissive optical components e.g. within laser resonators or tunable etalons. The optic adaptors allow the simple mounting and changing of circular optics with the standard diameters 1/2" and 1".

#### Optic adaptor OA 1/2"

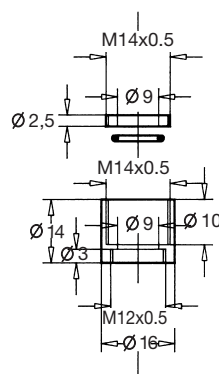
This element allows mounting of optics with diameter 1/2" up to a thickness of 8 mm. It can be simply attached using the M12x0.5 thread to all the



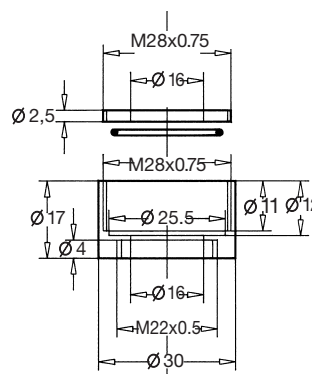
corresponding ring actuators with a HAg M12x0.5 end piece (bare rings) such as the HPSt 150/14-10/..., or the equivalent cased types with a VS22 casing.

#### Optic adaptor OA 1"

This element allows mounting of optics with diameter 1" up to a thickness of 8 mm. It can be simply attached using the M22x0.5 thread to all the corresponding ring actuators with a HAg M22x0.75 end piece (bare rings) such as the HPSt 150/20-15/...



OA 1/2"



OA 1"

### 6.4 Screw in front adaptor SE

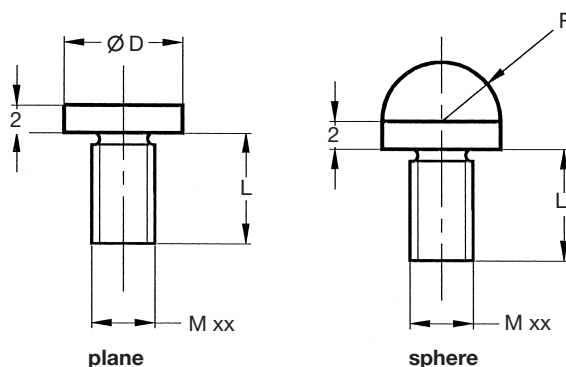
(For stacks with casings VS)

The adaptors have a threaded pin for simple attachment to the standard front pieces VS with tapped hole and provide a plane or spherical front to match



the actuator for various uses. For example small mirrors can be glued onto the plane faces.

**Designation:** SE xx plane and SE xx sphere, where xx represents the casing's diameter, where it is mounted to (e.g. 12 for VS 12).



Type	Mx (mm)	D (mm)	L (mm)	R (mm)
SE9	2.3	5	3	2.5
SE10	3	6	3	2.5
SE12	3	7	4	3.5
SE15	4	8	4	3.5
SE18/20	5	10	4	4

#### Magnetic front pieces

Based on the above described front adaptors, MA components with magnetic plane face are offered for VS10 and VS12 casings (designation MA10 / MA12). Small ferromagnetic components can be easily attached to the moving pin of stack actuators.