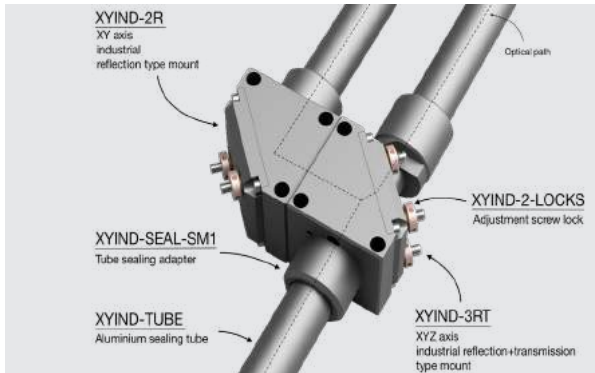


Industrial mirror holders



XY-IND are 2-axis and 3-axis sealed industrial kinematic mirror/splitter mounts. It combines with sealing tubes in both ends for optics and laser beam path protection from dust and environment. The mounts are easily attached together at any direction.

There are two types of holders:

- 2-axis or 3-axis Reflection type - is typically used with mirror.
- 3-axis Reflection + Transmission type - is typically used for splitting or filtering the laser beam.

Main features

- Sealed industrial design
- Reflection or Refraction +Transmission design
- Attaches together at any direction
- 3 axis fine adjustment
- Combines with sealing tubes for enclosing laser path

Application examples

- Precision optics mounting
- "Closed" optical system
- High power laser beam guiding
- Beam delivery systems

SPECIFICATIONS	
Angular range	±3,2 deg
Z axis*	±1,75 mm
Clear aperture	ø 16 mm (reflection type) ø 12 mm (transmission type)
Max. recommended beam size	ø 14 mm (reflection type) ø 10 mm (transmission type)
Max. recommended beam size 1/e ²	ø 10 mm (reflection type) ø 8 mm (transmission type)
Fis	ø 25,0-25,4 mm (1,0°), 2-5 mm thickness
Angular	0,45 deg/rev 8 mrad/rev
Z axis	254 µm/rev
Adjustment microcrew	2 mm HEX
	Mounted vertically 0.6 kg

Standard products

PRODUCT	DIMENSIONS	ITEM MODEL	MATERIAL	SKU	PRICE
XYZ industrial holders	50 x 50 x 50 mm (H x W x L)	XYIND-3R-B	Black anodized aluminum	20021	149 €
		XYIND-3T-B		20022	175 €
		XYIND-3R-N	Natural anodized aluminum	29095	149 €
		XYIND-3RT-N		29096	175 €
XY industrial holders	50 x 50 x 50 mm (H x W x L)	XYIND-2R-B	Black anodized aluminum	20020	135 €
		XYIND-2R-N	Natural anodized aluminum	29094	135 €
Tube seal with o-ring	24 x 32 mm (D x L)	XYIND-SEAL-SM1-B	Black anodized aluminum	28252	19 €
		XYIND-SEAL-SM1-N	Natural anodized aluminum	29092	19 €
	40 x 32 mm (D x L)	XYIND-TUBE-JOINT-B	Black anodized aluminum	28253	27 €
		XYIND-TUBE-JOINT-N	Natural anodized aluminum	29093	27 €
Holder Post	85 x 50 x 50 mm (H x W x L)	XYIND-L-H85-C110	Black anodized aluminum	29084	49 €
	135 x 50 x 50 mm (H x W x L)	XYIND-V-H135		29085	Request
Holder locking nuts (3 pcs)	12,5 x 3,8 mm (D x T)	XYIND-3-LOCKS	Bronze	28251	25.5 €
Holder locking nuts (2 pcs)	12,5 x 3,8 mm (D x T)	XYIND-2-LOCKS		28250	16.9 €
Aluminum sealing tube	22 x 100 mm (D x L)	XYIND-TUBE-N-1	Natural anodized aluminum	28254	18 €
	22 x 0 ... 50 mm (D x L)	XYIND-TUBE-N-C05		28255	18 €
	22 x 50 ... 100 mm (D x L)	XYIND-TUBE-N-C051		28256	28 €
	22 x 50 mm (D x L)	XYIND-TUBE-B-05	Black anodized aluminum	28257	25 €
	22 x 0 ... 25 mm (D x L)	XYIND-TUBE-B-C025		28258	25 €
	22 x 25 ... 50 mm (D x L)	XYIND-TUBE-B-C02505		28259	35 €