



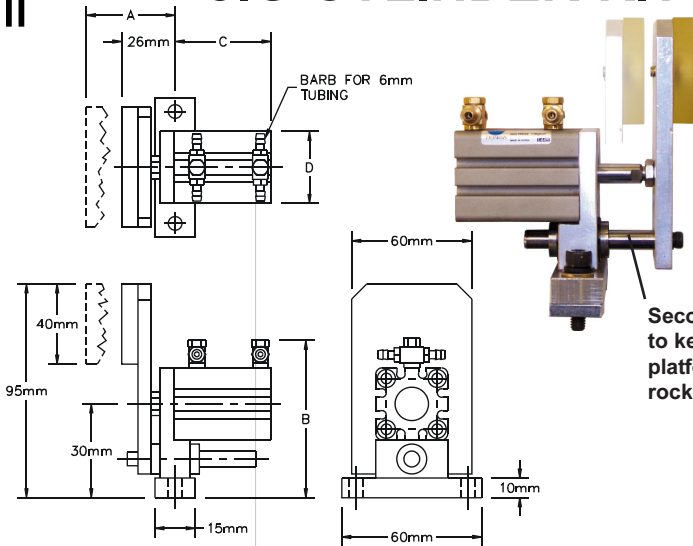
END OF ARM TOOLING

JIG CYLINDER KITS

Offset Jig Cylinder

Includes: cylinder, chucking plate, shaft, ball bushing, nut bracket, snap rings, mounting bar, bolts and washers.

Unlike standard Chucking Cylinders, this setup includes a second shaft to take angular pressure when chuck pad is offset from centerline of cylinder. This prevents premature failure and a much smoother chucking action.



SPECIFICATIONS:

- Operating pressure 40-70psi
- Max air pressure 100psi.
- Stroke 10mm or 20mm
- Operating Temp range 40 to 176°F

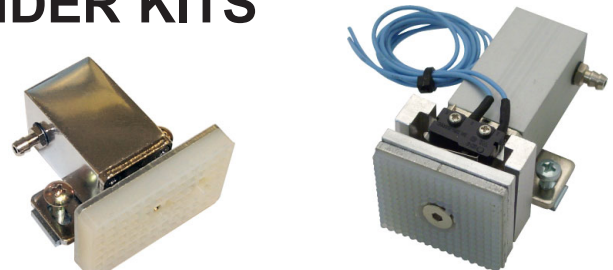
PART NUMBER	STROKE	A	B	C	D	PRICE
TOP310210	10mm	34mm	77.8mm	34mm	25mm	\$123.85
TOP310220	20mm	44mm	65mm	48mm	36mm	\$129.50

MINI JIG CYLINDER KITS

Mini Jig Cylinder

Includes: cylinder, silicone pad, barb fittings, mounting strap and screws.

Non-rotating single action air cylinder with spring return. Compact size makes this cylinder ideal for use in confined spaces. Often used where vacuum cups will not work. Pad may be positioned 90 degrees from photo shown.



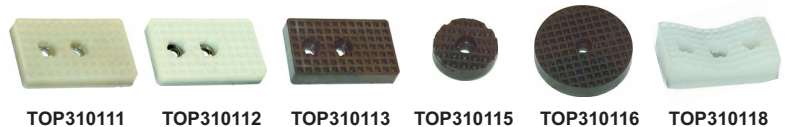
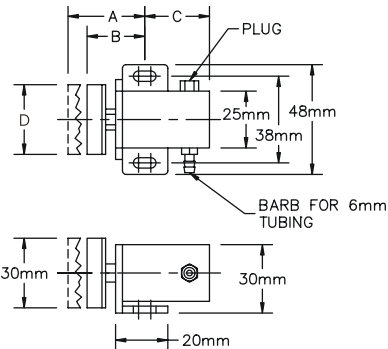
TOP310110

TOP310120S
shown with sensor.

SPECIFICATIONS:

- Operating pressure: 40-70psi
- Max air pressure: 100psi.
- Stroke: 10mm or 20mm
- Operating Temp range: 40 to 176°F

PART NO.	STROKE	A	B	C	D	SENSOR	PRICE
TOP310110	10mm	35mm	25mm	28mm	50mm	NO	\$34.25
TOP310120	20mm	45mm	25mm	38mm	50mm	NO	\$36.50
TOP310110S	10mm	45mm	35mm	30mm	35mm	YES	\$76.95
TOP310120S	20mm	65mm	45mm	38mm	40mm	YES	\$79.95



EXTRA PADS

PART NO.	SIZE	PAD MATERIAL	PRICE
TOP310111	30mm x 50mm	Silicone	\$10.00
TOP310112	30mm x 50mm	White Urethane	\$9.23
TOP310113	30mm x 50mm	Black Nitrile	\$8.07
TOP310115	25mm Dia.	Black Nitrile (round)	\$6.92
TOP310116	50mm Dia.	Black Nitrile (round)	\$8.07
TOP310117	30mm x 35mm	Pad with sensor	\$33.82
TOP310118	30mm x 50mm	Silicone (curved)	\$10.15

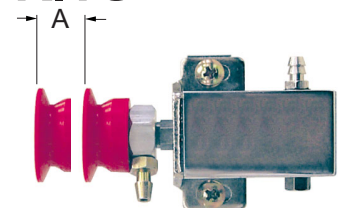
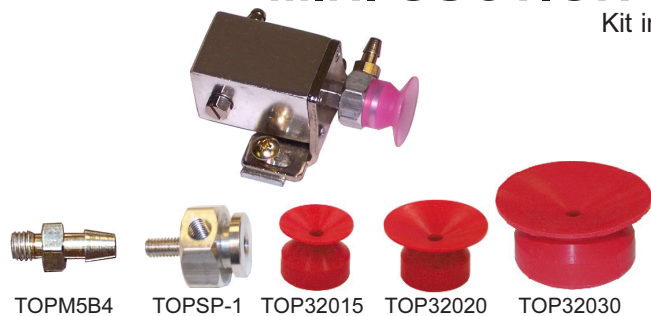


TOP310117 - Spare Pad with Sensor for Mini Jig Cylinders TOP310110S & TOP310120S.

MINI SUCTION CUP CYLINDER KITS

Kit includes:

- TOP310110C Cylinder
- TOPM5B4 Barbed Fitting
- TOPSP-1 Vacuum Cup Adaptor
- TOP32015 15mm Vacuum cup
- TOP32020 20mm Vacuum cup
- TOP32030 30mm Vacuum cup



PART NUMBER	DESCRIPTION	A STROKE	PRICE
TOP310110K	10mm STROKE CYLINDER KIT	10mm	\$49.15
TOP310120K	20mm STROKE CYLINDER KIT	20mm	\$51.10