

340 Route 16B • Center Ossipee, NH 03814 800-543-3580 • 603-539-4538 • Fax: 603-539-2183 **MiteeBite.com** Cad files available online

MADE IN THE USA

Modular XYZ Xpansion® Press Fit Pin Instructions Pins are intended for press fit or close tolerance removable slide fit applications. Install in a precision bore or a bushing with the center threaded for the Tapered screw. If precise location is not necessary, pin can be used on top of fixture plate. An accessory kit is available to make Installation and Removal В (I/R) of the XYZ Pins quick and easy. NOTE: If recessing pin into fixture beyond slits be sure to provide clearance for expanding segments. 17-4PH 12L14 Replacement Tapered Installation/ Part Part F (+/-) Tapered Screw Removal Description C G' (I/R) Kit** No. D .000/.001 Thread x Length No A В Screw D 31730 31630 .219 31731S 5-40 x 5/8 Press Fit 1/4 .500' .27 .29 .23 .250' 31720 31740 31640 Press Fit 3/8' .750' .50' .33" .25' .375' .281' 31002S 8-32 x 7/8 31721 31750 31650 Press Fit 1/2' .750 .50' .45 .25 .500 .413 31010S 1/4-20 x 7/8 31722 31760 31660 Press Fit 5/8' 750' 50' .52' .25 625 .472 31020S 5/16-18 x 7/8 31723 .31' N/A 31670 Press Fit 3/4' .875 .562 .56 .750 .625 31032S 3/8-16 x 7/8 31724 *G minimum diameter pin can be machined or turned down to Kit includes screws (2) SHCS Tapered screw included with pin. Patent No. 10,458,459

1122



340 Route 16B • Center Ossipee, NH 03814 800-543-3580 • 603-539-4538 • Fax: 603-539-2183 MiteeBite.com

Cad files available online

Е

D



Modular XYZ Xpansion® Press Fit Pin Metric Instructions

Pins are intended for press fit or close tolerance removable slide fit applications. Install in a precision bore or a bushing with the center threaded for the Tapered screw. If precise location is not necessary, pin can be used on top of fixture plate. An accessory kit is available to make Installation and Removal (I/R) of the XYZ Pins quick and easy. NOTE: If recessing pin into fixture beyond slits be sure to provide clearance for expanding segments.

17-4PH	12L14						= (()		Replacement	•	Installation/
Part No.	Part No.	Description	Α	В	C	D	F (+/-) .000/.025mm	G*	Tapered Screw	Screw Thread x Length	Removal (I/R) Kit**
38730	38630	Press Fit 6mm	13mm	7mm	7.3mm	5.8mm	6.00mm	5.5mm	38731S	M3-0.5 x 16mm	38720
38740	38640	Press Fit 10mm	19mm	12.7mm	8.4mm	6.35mm	10.00mm	7.5mm	38002S	M4-0.7 x 22mm	38721
38750	38650	Press Fit 12mm	19mm	12.7mm	11.1mm	6.35mm	12.00mm	10.5mm	38010S	M6-1 x 22mm	38722
38760	38660	Press Fit 16mm	19mm	12.7mm	13mm	6.35mm	16.00mm	12mm	38020S	M8-1.25 x 22mm	38723
N/A	38670	Press Fit 20mm	20mm	14mm	13mm	8mm	20.00mm	16mm	38032S	M10-1.5 x 22mm	38724
"G minimum diameter pin can be machined or turned down to **Kit includes screws (2) SHCS Tapered screw included with pin.											





340 Route 16B • Center Ossipee, NH 03814 800-543-3580 • 603-539-4538 • Fax: 603-539-2183

Cad files available online

B

MADE IN THE USA

Patent No. 10,458,459

Modular XYZ Xpansion® Threaded Pin Instructions

Threaded XYZ Pins incorporate an internal rotary broached hex for simple installation and removal from a tombstone, grid plate or fixture plate. Threaded Pins may be installed in a drilled and reamed hole for precise location or set in a hardened drill bushing for additional strength and wear resistance. To install a Threaded XYZ Pin in a precision bore, drill/tap accordingly and ream the hole over the nominal diameter minimum of +0.0001 to +0.0005".

bushing for additional strength and wear resistance.										
Part	External					F (+/-)			Replacement	Tapered Screw
Number	Thread	A	В	C	D	.000/.001″	G*	Н	Tapered Screw	Thread x Length
31850	1/2"-13	1.625"	0.60"	0.53"	0.50"	.500"	0.413"	1/4"	31010	1/4-20 x 1 1/4
31860	5/8" -11	1.875"	0.62"	0.62"	0.62"	.625"	0.472"	5/16"	31020	5/16-18 x 1 1/4
*G minimum diameter pin can be machined or turned down to **Torque of Pin body needs to exceed torque of Tapered screw										

Tapered screw included with pin.

0824



340 Route 16B • Center Ossipee, NH 03814 800-543-3580 • 603-539-4538 • Fax: 603-539-2183 **MiteeBite.com**

Cad files available online

MADE IN THE USA

Modular XYZ Xpansion® Threaded Pin Metric Instructions

Threaded XYZ Pins incorporate an internal rotary broached hex for simple installation and removal from a tombstone, grid plate or fixture plate. Threaded Pins may be installed in a drilled and reamed hole for precise location or set in a hardened drill bushing for additional strength and wear resistance. To install a Threaded XYZ Pin in a precision bore, drill/tap accordingly and ream the hole over the nominal diameter minimum of +.003 to +0.013mm.

bushing	bushing for additional strength and wear resistance.											
Part	External					F (+/-)			Replacement	Tapered Screw		
Number	Thread	A	В	C	D	(.000/.025mm)	G*	н	Tapered Screw	Thread x Length		
38850	M12-1.75	40mm	15mm	13mm	12.00mm	12.00mm	10.5mm	6mm	38010	M6-1 x 30mm		
38860	M16 -2	45mm	16mm	13mm	16.00mm	16.00mm	12mm	8mm	38020	M8-1.25 x 30mm		
*G minimum diameter pin can be machined or turned down to **Torque of Pin body needs to exceed torque of Tapered screw												
Tapered screw included with pin.												

