



Phone: (603)-539-4538
 Fax: (603) 539-2183
 Toll Free: 1-800-543-3580
 E-mail: engineers@miteebite.com
 340 Route 16B • P.O. Box 430
 Center Ossipee, NH 03814 USA

MODULAR THREADED XYZ XPANSION™ PINS 17-4 PH SST

PART NUMBER	EXTERNAL THREAD	***MAX BODY TORQUE	TAPERED SCREW THREAD & LENGTH	TAPERED SCREW P/N	MAX SCREW TORQUE	HOLDING FORCE	*MAX EXPANSION
31850	1/2-13	25 Ft/Lbs	1/4-20 X 1 1/4"	31010	13.3 Ft/Lbs	1,900 Lbs	Ø.011"
38850	M12 X 1.75	33 Nm	M6-1.0 X 30mm	38010	17.00 Nm	8,455 N	Ø0.28
31860	5/8-11	50 Ft/Lbs	5/16-18 X 1 1/4"	31020	27.6 Ft/Lbs	2,500 Lbs	Ø.013"
38860	M16 X 2.0	68 Nm	M8 X 1.25 X 30mm	38020	34 Nm	11,125 N	Ø0.32

MODULAR PRESS FIT XYZ XPANSION™ PINS 17-4 PH SST & 12L14 LC STEEL

**17-4 PH (SST) P/N	12L14 (MS) P/N	TAPERED SCREW THREAD & LENGTH	TAPERED SCREW P/N	MAX SCREW TORQUE	HOLDING FORCE	ID PULLOUT THREAD	*MAX EXP. 17-4 PH / 12L14
31730	31630	5-40 X 5/8"	31731S	1.6 Ft/Lbs	425 Lbs	6-32	Ø.008" / Ø.005"
38730	38630	M3-0.5 X 16mm	38731S	2.80 Nm	1,900 N	M3.5 X .6	Ø0.18 / Ø0.10
31740	31640	8-32 X 7/8"	31002S	3.6 Ft/Lbs	950 Lbs	10-32	Ø.009" / Ø.006"
38740	38640	M4-0.7 X 22mm	38002S	5.00 Nm	4,228 N	M5 X .8	Ø0.23 / Ø0.13
31750	31650	1/4-20 X 7/8"	31010S	13.3 Ft/Lbs	1,900 Lbs	5/16-18	Ø.011" / Ø.007"
38750	38650	M6-1.0 X 22mm	38010S	17.00 Nm	8,455 N	M8 X 1.25	Ø0.28 / Ø0.16
31760	31660	5/16-18 X 7/8"	31020S	27.6 Ft/Lbs	2,500 Lbs	3/8-16	Ø.013" / Ø.009"
38760	38660	M8-1.25 X 22mm	38020S	34.00 Nm	11,125 N	M10 X 1.5	Ø0.32 / Ø0.18
N/A	31670	3/8-16 X 7/8"	31032S	49.3 Ft/Lbs	4,500 Lbs	7/16-14	N/A / Ø.011"
N/A	38670	M10-1.50 X 22MM	38032S	60.00 Nm	20,025 N	M12 X 1.75	N/A / Ø0.28

*The "Maximum Recommended Expansion Limit" is specified from a fully relaxed state to ensure the clamping segments/diameter will return back to its stock, or pre-machined diameter after expansion. The expansion data populating the table is conservative since material performance can vary from piece to piece. Some XYZ Pins will have better expansion characteristics, but none will perform any less.

**The 17-4 PH Stainless-Steel Press Fit Pins no longer have internal threads to reduce cost to you. If you intend to remove using one of our Installation/Removal (I/R) Kits, tap through the XYZ Pin with the thread size listed in the ID Pullout Thread column above before installation in a fixture. The use of the I/R tool for Press Fit XYZ Pin installation does not require the ID thread be used.

*** The Threaded XYZ Xpansion Pin Body Max Torque value used for installation is a function of the Tapered Seat Bearing Face at the top of the thread. If there's a concern regarding the threaded XYZ Pin loosening in the fixture, the use of a medium strength thread locking compound such as Loctite® Blue Thread locker #243® or equivalent is recommended.