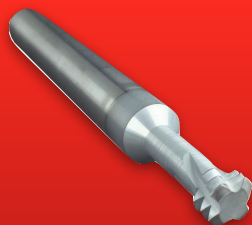
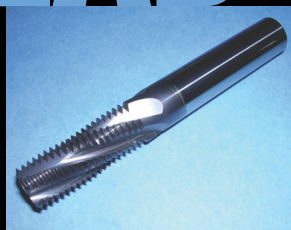


The First Choice in High Performance Thread Milling

**NEW ITEMS**

Mini Series
Pages 11-16

THREAD-PRO



THREAD-PRO SOLID CARBIDE THREAD MILLS

Our Service is Excellent..... Our Quality is Unmatched

- 2003 • Thread-Pro introduced to market utilizing a new concept in the manufacture of solid carbide thread mills.
- 2004 • TiAIN multi-layer coating for increased performance.
- 2006 • In independent testing of 8 popular brands, Thread-Pro finished 1st in all thread form accuracy categories.
- 2008 • Introduced the patent pending variable flute RH series.
- 2009 • Added BSPP, BSPT and Mini Single Form thread mills.
- 2010 • Added full metric sizes to service world wide market.
 - Achieved ISO 9001-2008 certification.
 - Added straight coolant thru sizes.
 - Added & became only US manufacturer to produce radial coolant thread mills.
 - Added T2 and T3 extra length sizes.
 - Developed "SuperFlo" flute technology to enhance chip flow and increase tool life.

"SuperFlo"

An advancement in flute finishing which reduces chip adhesion, enhances chip flow, results in extended tool life.



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Manufacturer of Quality Cutting Tools Since 1990

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ISO 9001-2008



THREAD-PRO SOLID CARBIDE THREAD MILLS
Our Service is Excellent..... Our Quality is Unmatched

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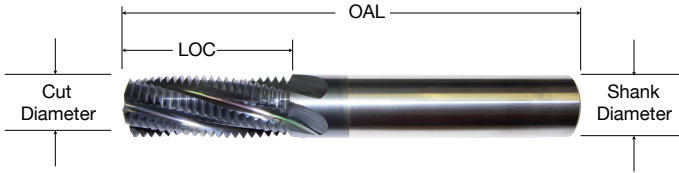
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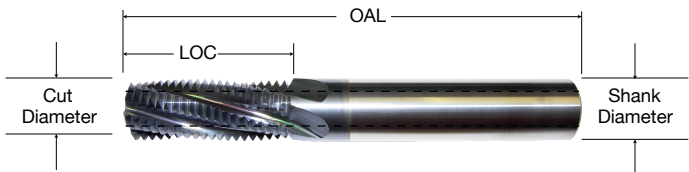
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THREAD-PRO SOLID CARBIDE THREAD MILLS



TOOL SIZE	SHANK DIA	CUT DIA	LOC	OAL	FL	UN SKU #	COATED SKU #	TOOL SIZE	COATED SKU #
4-40 UN	1/8	.085	.175	2	3		16363		
6-32 UN	1/8	.095	.218	2	3	14351	14560		
8-32 UN	1/8	.115	.250	2	3	14352	14561		
8-36 UN	1/8	.115	.250	2	3	14353	14562		
10-24 UN	3/16	.120	.312	2	3	14354	14563		
10-32 UN	3/16	.120	.312	2	3	14355	14564		
1/4-20 UN	3/16	.180	.500	2 1/2	3	14356	14565		
1/4-28 UN	3/16	.180	.500	2 1/2	3	14357	14566		
5/16-18 UN	1/4	.240	.625	2 1/2	3	14358	14567		
5/16-24 UN	1/4	.240	.625	2 1/2	3	14359	14568		
3/8-16 UN	5/16	.290	.750	3	4	14360	14569	3/8-16 UNH	14856
3/8-24 UN	5/16	.290	.750	3	4	14361	14487	3/8-24 UNH	14844
7/16-14 UN	3/8	.340	.875	3	4	14362	14570	7/16-14 UNH	14857
7/16-20 UN	3/8	.340	.875	3	4	14363	14571	7/16-20 UNH	14858
1/2-13 UN	3/8	.350	.875	3 1/2	4	14364	14572	1/2-13 UNH	14859
1/2-20 UN	3/8	.350	.875	3 1/2	4	14365	14573	1/2-20 UNH	14860
9/16-12 UN	1/2	.370	.875	3 1/2	4	14366	14574	9/16-12 UNH	14861
9/16-18 UN	1/2	.370	.875	3 1/2	4	14367	14575	9/16-18 UNH	14862
5/8-11 UN	1/2	.470	1.250	3 1/2	5	14368	14576		
5/8-18 UN	1/2	.470	1.250	3 1/2	5	14369	14577		
3/4-10 UN	1/2	.495	1.250	3 1/2	5	14370	14578		
3/4-12 UN	1/2	.495	1.250	3 1/2	5	15027	14627		
3/4-16 UN	1/2	.495	1.250	3 1/2	5	14371	14579		
7/8-9 UN	1/2	.495	1.250	3 1/2	5	14372	14580		
7/8-14 UN	1/2	.495	1.250	3 1/2	5	14373	14581		
1-8 UN	3/4	.620	1.375	4	5	14374	14582		
1-12 UN	3/4	.620	1.375	4	5	14375	14583		

THREAD-PRO SOLID CARBIDE THREAD MILLS

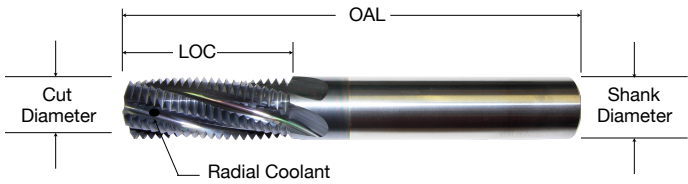


TOOL SIZE	SHANK DIA	CUT DIA	LOC	OAL	FL	COATED SKU #
1/4-20 UN C	3/16	.180	.500	2 1/2	3	15901
1/4-28 UN C	3/16	.180	.500	2 1/2	3	15903
5/16-18 UN C	1/4	.240	.625	2 1/2	3	15905
5/16-24 UN C	1/4	.240	.625	2 1/2	3	15907
3/8-16 UN C	5/16	.290	.750	3	4	15909
3/8-24 UN C	5/16	.290	.750	3	4	15911
7/16-14 UN C	3/8	.340	.875	3	4	15913
7/16-20 UN C	3/8	.340	.875	3	4	15915
1/2-13 UN C	3/8	.350	.875	3 1/2	4	15917
9/16-12 UN C	1/2	.370	.875	3 1/2	4	16302
9/16-18 UN C	1/2	.370	.875	3 1/2	4	16299
5/8-11 UN C	1/2	.470	1.250	3 1/2	5	15919
5/8-18 UN C	1/2	.470	1.250	3 1/2	5	16316
3/4-10 UN C	1/2	.495	1.250	3 1/2	5	15921
3/4-12 UN C	1/2	.495	1.250	3 1/2	5	15923
3/4-16 UN C	1/2	.495	1.250	3 1/2	5	15925
7/8-9 UN C	1/2	.495	1.250	3 1/2	5	16298
7/8-14 UN C	1/2	.495	1.250	3 1/2	5	15927
1-8 UN C	3/4	.620	1.375	4	5	15929
1-12 UN C	3/4	.620	1.375	4	5	16296

THE ADVANTAGES OF THREAD-PRO:

- *Made with a carbide grade designed for thread milling in a wide variety of materials.*
- *Premium AlTiN Coating provides additional edge wear resistance.*
- *In independent testing of 8 popular thread mill brands, Thread-Pro finished 1st in all thread form accuracy categories.*

THREAD-PRO SOLID CARBIDE THREAD MILLS

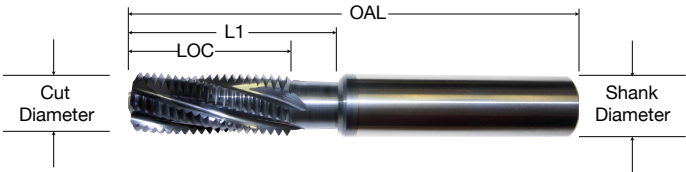


TOOL SIZE	SHANK DIA	CUT DIA	LOC	OAL	FL	Coolant Holes	COATED SKU #
1/4-20 UN SC	3/16	.180	.500	2 1/2	3	3	15900
1/4-28 UN SC	3/16	.180	.500	2 1/2	3	3	15902
5/16-18 UN SC	1/4	.240	.625	2 1/2	3	3	15904
5/16-24 UN SC	1/4	.240	.625	2 1/2	3	3	15906
3/8-16 UN SC	5/16	.290	.750	3	4	4	15908
3/8-24 UN SC	5/16	.290	.750	3	4	4	15910
7/16-14 UN SC	3/8	.340	.875	3	4	4	15912
7/16-20 UN SC	3/8	.340	.875	3	4	4	15914
1/2-13 UN SC	3/8	.350	.875	3 1/2	4	4	15916
9/16-12 UN SC	1/2	.370	.875	3 1/2	4	4	16301
9/16-18 UN SC	1/2	.370	.875	3 1/2	4	4	16300
5/8-11 UN SC	1/2	.470	1.250	3 1/2	4	4	15918
5/8-18 UN SC	1/2	.470	1.250	3 1/2	4	4	16315
3/4-10 UN SC	1/2	.495	1.250	3 1/2	4	4	15920
3/4-12 UN SC	1/2	.495	1.250	3 1/2	4	4	15922
3/4-16 UN SC	1/2	.495	1.250	3 1/2	4	4	15924
7/8-9 UN SC	1/2	.495	1.250	3 1/2	4	4	16297
7/8-14 UN SC	1/2	.495	1.250	3 1/2	4	4	15926
1-8 UN SC	3/4	.620	1.375	4	5	5	15928
1-12 UN SC	3/4	.620	1.375	4	5	5	16295



We produce our THREAD-PRO thread mills utilizing the latest in CNC technology to assure consistent accuracy, repeatability and performance.

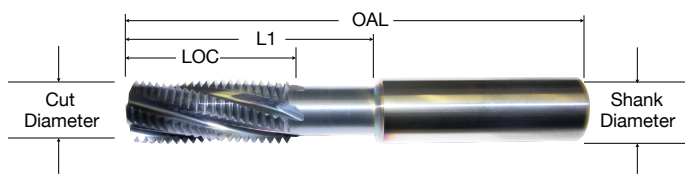
THREAD-PRO SOLID CARBIDE THREAD MILLS



HELICAL UN T2 EXTRA LENGTH THREAD MILLS
non-stock standard 2-3 week delivery

TOOL SIZE	SHANK DIA	CUT DIA	LOC	L1	OAL	FL	COATED SKU #
4-40 UN T2	1/8	.085	.175	.224	2	3	16545
6-32 UN T2	1/8	.095	.218	.250	2	3	16547
8-32 UN T2	1/8	.115	.250	.328	2	3	16549
8-36 UN T2	1/8	.115	.250	.328	2	3	16551
10-24 UN T2	3/16	.120	.312	.500	2	3	16553
10-32 UN T2	3/16	.120	.312	.500	2	3	16555
1/4-20 UN T2	3/16	.180	.500	.650	2 1/2	3	16557
1/4-28 UN T2	3/16	.180	.500	.650	2 1/2	3	16559
5/16-18 UN T2	1/4	.240	.625	.833	2 1/2	3	16561
5/16-24 UN T2	1/4	.240	.625	.833	2 1/2	3	16563
3/8-16 UN T2	5/16	.290	.750	.875	3	4	16565
3/8-24 UN T2	5/16	.290	.750	.875	3	4	16567
7/16-14 UN T2	3/8	.340	.875	1.00	3	4	16569
7/16-20 UN T2	3/8	.340	.875	1.00	3	4	16571
1/2-13 UN T2	3/8	.350	.875	1.00	3 1/2	4	16573
1/2-20 UN T2	3/8	.350	.875	1.00	3 1/2	4	16575
9/16-12 UN T2	1/2	.370	.875	1.125	3 1/2	4	16577
9/16-18 UN T2	1/2	.370	.875	1.125	3 1/2	4	16579
5/8-11 UN T2	1/2	.470	1.250	1.500	3 1/2	5	16581
5/8-18 UN T2	1/2	.470	1.250	1.500	3 1/2	5	16583
3/4-10 UN T2	1/2	.495	1.250	1.500	3 1/2	5	16585
3/4-12 UN T2	1/2	.495	1.250	1.500	3 1/2	5	16587
3/4-16 UN T2	1/2	.495	1.250	1.500	3 1/2	5	16589
7/8-9 UN T2	1/2	.495	1.250	1.750	4	5	16591
7/8-14 UN T2	1/2	.495	1.250	1.750	4	5	16593
1-8 UN T2	3/4	.620	1.375	2.00	4 1/2	5	16595
1-12 UN T2	3/4	.620	1.375	2.00	4 1/2	5	16597

THREAD-PRO SOLID CARBIDE THREAD MILLS



HELICAL UN T3 EXTRA LENGTH THREAD MILLS

TOOL SIZE	SHANK DIA	CUT DIA	LOC	L1	OAL	FL	COATED SKU #
4-40 UN T3	1/8	.085	.175	.336	2	3	16546
6-32 UN T3	1/8	.095	.218	.375	2	3	16548
8-32 UN T3	1/8	.115	.250	.500	2	3	16550
8-36 UN T3	1/8	.115	.250	.500	2	3	16552
10-24 UN T3	3/16	.120	.312	.625	2	3	16554
10-32 UN T3	3/16	.120	.312	.625	2	3	16556
1/4-20 UN T3	3/16	.180	.500	.750	2 1/2	3	16558
1/4-28 UN T3	3/16	.180	.500	.750	2 1/2	3	16560
5/16-18 UN T3	1/4	.240	.625	1.00	2 1/2	3	16562
5/16-24 UN T3	1/4	.240	.625	1.00	2 1/2	3	16564
3/8-16 UN T3	5/16	.290	.750	1.00	3	4	16566
3/8-24 UN T3	5/16	.290	.750	1.00	3	4	16568
7/16-14 UN T3	3/8	.340	.875	1.300	3	4	16570
7/16-20 UN T3	3/8	.340	.875	1.300	3	4	16572
1/2-13 UN T3	3/8	.350	.875	1.300	3 1/2	4	16574
1/2-20 UN T3	3/8	.350	.875	1.300	3 1/2	4	16576
9/16-12 UN T3	1/2	.370	.875	1.500	3 1/2	4	16578
9/16-18 UN T3	1/2	.370	.875	1.500	3 1/2	4	16580
5/8-11 UN T3	1/2	.470	1.250	1.900	3 1/2	5	16582
5/8-18 UN T3	1/2	.470	1.250	1.900	3 1/2	5	16584
3/4-10 UN T3	1/2	.495	1.250	1.900	3 1/2	5	16586
3/4-12 UN T3	1/2	.495	1.250	1.900	3 1/2	5	16588
3/4-16 UN T3	1/2	.495	1.250	1.900	3 1/2	5	16590
7/8-9 UN T3	1/2	.495	1.250	2.500	4 1/2	5	16592
7/8-14 UN T3	1/2	.495	1.250	2.500	4 1/2	5	16594
1-8 UN T3	3/4	.620	1.375	2.500	4 1/2	5	16596
1-12 UN T3	3/4	.620	1.375	2.500	4 1/2	5	16598

THREAD-PRO SOLID CARBIDE THREAD MILLS

HELICAL METRIC THREAD MILLS

Variable Flute RH Series

TOOL SIZE	SHANK DIA	CUT DIA	LOC	OAL	FL	UN SKU #	COATED SKU #	TOOL SIZE	COATED SKU #
M4-0.70	1/8	.120	.250	2	2	14390	14596		
M4.5-0.75	1/8	.120	.250	2	3	14391	14597		
M5-0.80	3/16	.120	.312	2	3	14392	14598		
M6-1.00	3/16	.170	.500	2 1/2	3	14393	14599		
M8-0.75	1/4	.235	.625	2 1/2	3	14394	14600		
M8-1.00	1/4	.235	.625	2 1/2	3	14395	14601		
M8-1.25	1/4	.235	.625	2 1/2	3	14396	14602		
M10-1.25	5/16	.300	.750	3	4	14397	14603	HM10-1.25	14890
M10-1.50	5/16	.300	.750	3	4	14398	14604	HM10-1.50	14891
M12-1.00	3/8	.360	.875	3 1/2	4	14399	14605	HM12-1.00	14892
M12-1.25	3/8	.360	.875	3 1/2	4	14400	14606	HM12-1.25	14893
M12-1.75	3/8	.360	.875	3 1/2	4	14401	14607	HM12-1.75	14894
M14-1.50	3/8	.360	.875	3 1/2	4	14402	14608	HM14-1.50	14779
M16-2.00	1/2	.470	1.250	3 1/2	5	14403	14609		
M18-2.50	1/2	.470	1.250	3 1/2	5	14404	14610		
M20-3.00	1/2	.470	1.250	3 1/2	5	14405	14611		

HELICAL METRIC THREAD MILLS with STRAIGHT COOLANT

TOOL SIZE	SHANK DIA	CUT DIA	LOC	OAL	FL	COATED SKU #
M5-0.80 C	3/16	.120	.312	2	3	16345
M6-1.00 C	3/16	.170	.500	2 1/2	3	16344
M8-0.75 C	1/4	.235	.625	2 1/2	3	16343
M8-1.00 C	1/4	.235	.625	2 1/2	3	16342
M8-1.25 C	1/4	.235	.625	2 1/2	3	16341
M10-1.25 C	5/16	.300	.750	3	4	16340
M10-1.50 C	5/16	.300	.750	3	4	16339
M12-1.00 C	3/8	.360	.875	3 1/2	4	16338
M12-1.25 C	3/8	.360	.875	3 1/2	4	16337
M12-1.75 C	3/8	.360	.875	3 1/2	4	16336
M14-1.50 C	3/8	.360	.875	3 1/2	4	16335
M16-2.00 C	1/2	.470	1.250	3 1/2	5	16334
M18-2.50 C	1/2	.470	1.250	3 1/2	5	16333
M20-3.00 C	1/2	.470	1.250	3 1/2	5	16332

THREAD-PRO SOLID CARBIDE THREAD MILLS

HELICAL METRIC THREAD MILLS with SIDE COOLANT

TOOL SIZE	SHANK DIA	CUT DIA	LOC	OAL	FL	Coolant Holes	COATED SKU #
M5-0.80 SC	3/16	.120	.312	2	3	3	16318
M6-1.00 SC	3/16	.170	.500	2 1/2	3	3	16319
M8-0.75 SC	1/4	.235	.625	2 1/2	3	3	16320
M8-1.00 SC	1/4	.235	.625	2 1/2	3	3	16321
M8-1.25 SC	1/4	.235	.625	2 1/2	3	3	16322
M10-1.25 SC	5/16	.300	.750	3	4	4	16323
M10-1.50 SC	5/16	.300	.750	3	4	4	16324
M12-1.00 SC	3/8	.360	.875	3 1/2	4	4	16325
M12-1.25 SC	3/8	.360	.875	3 1/2	4	4	16326
M12-1.75 SC	3/8	.360	.875	3 1/2	4	4	16327
M14-1.50 SC	3/8	.360	.875	3 1/2	4	4	16328
M16-2.00 SC	1/2	.470	1.250	3 1/2	4	4	16329
M18-2.50 SC	1/2	.470	1.250	3 1/2	4	4	16330
M20-3.00 SC	1/2	.470	1.250	3 1/2	4	4	16331

Our Service is Excellent...

- ✓ Machine Tool Builder in NC. Called on Thursday and needed special cut diameter and length of cut M16 thread mill. Delivered following Wednesday for Thursday runoff.
- ✓ Valve Manufacturer in TX. Placed order Thursday for PG9-18 with special length of cut. Shipped following Tuesday.
- ✓ Tool Manufacturer in NC. Placed order on Friday for extended thread length metric thread mill. Shipped the following Thursday.
- ✓ Equipment Manufacturer in OK. Needed extra thread length and overall length 7/8-14UN. Entered order on Wednesday shipped following Tuesday.
- ✓ Pharmaceutical Mfg. in NJ. Needed special 12 ACME. Ordered on Thursday, shipped on Friday.
- ✓ Tool Manufacturer in OH. Needed 6 12UNJs with special length of cut. Ordered Wednesday, shipped following Tuesday.

Our Quality is Unmatched...

- ✓ Computer Component manufacturer in WA. Order received on a Wednesday for 1/4 and 5/16 Buttress with 3 different cut diameters. Shipped the following Monday.
- ✓ Same Computer Component manufacturer in WA. Ordered a special length M6-1.00 on Thursday called back on Tuesday to say they made a slight mistake, "should have been a Buttress". Guess what? The M6-1.0 were already done and the M6-1.0 Buttress were shipped Friday.
- ✓ Test equipment manufacturer in PA needed a 5/16-16 Stub Acme, delivered the next week. Customer stated that competition had quoted 6 to 8 weeks.
- ✓ NE gage manufacturer had a requirement for a M6-0.10 Buttress, shipped in 2 weeks.
- ✓ Rifle manufacturer needed a 3 pitch acme, delivered in 2 days.
- ✓ Tool manufacturer needed a 8UN single form 4 1/4" Length of cut and 7" OAL delivered in 2 weeks.

THREAD-PRO SOLID CARBIDE THREAD MILLS

HELICAL NPT(F) THREAD MILLS

Variable Flute RH Series

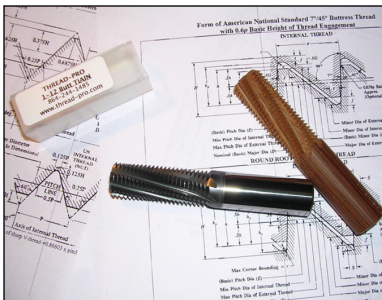
TOOL SIZE	SHANK DIA	CUT DIA	LOC	OAL	FL	UN SKU #	COATED SKU #	TOOL SIZE	COATED SKU #
1/16-27 NPT	1/4	.245	.437	2 1/2	3	14376	14584		
1/8-27 NPT	5/16	.310	.437	2 1/2	4	14377	14488	1/8-27 NPTH	14845
1/4 & 3/8-18 NPT	3/8	.305	.625	3	4	14378	14585	1/4, 3/8-18 NPTH	14872
1/2 & 3/4-14 NPT	1/2	.495	.875	3 1/2	4	14380	14546	1/2-14 NPTH	14846
1-11.5 NPT	3/4	.620	1.125	4	5	14382	14588		

HELICAL NPT(F) THREAD MILLS with STRAIGHT COOLANT

TOOL SIZE	SHANK DIA	CUT DIA	LOC	OAL	FL	COATED SKU #
1/16-27 NPT C	1/4	.245	.437	2 1/2	3	16311
1/8-27 NPT C	5/16	.310	.437	2 1/2	4	16306
1/4 & 3/8-18 NPT C	3/8	.305	.625	3	4	16307
1/2 & 3/4-14 NPT C	1/2	.495	.875	3 1/2	4	16304
1-11.5 NPT C	3/4	.620	1.125	4	5	16309

HELICAL NPT(F) THREAD MILLS with SIDE COOLANT

TOOL SIZE	SHANK DIA	CUT DIA	LOC	OAL	FL	Coolant Holes	COATED SKU #
1/16-27 NPT SC	1/4	.245	.437	2 1/2	3	3	16312
1/8-27 NPT SC	3/8	.310	.437	2 1/2	4	4	16305
1/4 & 3/8-18 NPT SC	3/8	.305	.625	3	4	4	16308
1/2 & 3/4-14 NPT SC	1/2	.495	.875	3 1/2	4	4	16303
1-11.5 NPT SC	3/4	.620	1.125	4	5	5	16310



We offer a complete Design & Build service for special thread milling applications.

THREAD-PRO SOLID CARBIDE THREAD MILLS

HELICAL BSPP THREAD MILLS

TOOL SIZE	SHANK DIA	CUT DIA	LOC	OAL	FL	UN SKU #	COATED SKU #
1/16, 1/8-28 BSPP	1/4	.240	.572	2.5	3	15234	15233
1/4-19 BSPP	5/16	.312	.737	3	4	15231	15230
1/2-14 BSPP	1/2	.470	1.143	3.5	4	15229	15228
1-11 BSPP	5/8	.620	1.546	4	5	15226	15227

HELICAL BSPP THREAD MILLS with STRAIGHT COOLANT

TOOL SIZE	SHANK DIA	CUT DIA	LOC	OAL	FL	COATED SKU #
1/16, 1/8-28 BSPP C	1/4	.240	.572	2.5	3	16347
1/4-19 BSPP C	5/16	.312	.737	3	4	16349
1/2-14 BSPP C	1/2	.470	1.143	3.5	4	16351
1-11 BSPP C	5/8	.620	1.546	4	5	16353

HELICAL BSPP THREAD MILLS with SIDE COOLANT

TOOL SIZE	SHANK DIA	CUT DIA	LOC	OAL	FL	Coolant Holes	COATED SKU #
1/16, 1/8-28 BSPP SC	1/4	.240	.572	2.5	3	3	16346
1/4-19 BSPP SC	5/16	.312	.737	3	4	4	16348
1/2-14 BSPP SC	1/2	.470	1.143	3.5	4	4	16350
1-11 BSPP SC	5/8	.620	1.546	4	5	5	16352

TOOL SIZE	SHANK DIA	CUT DIA	LOC	OAL	FL	UN SKU #	COATED SKU #
1/16, 1/8-28 BSPT	1/4	.240	.401	2.5	3	15235	14916
1/4-19 BSPT	5/16	.312	.578	3	4	15232	14919
1/2-14 BSPT	1/2	.470	.785	3.5	4	15224	14906
1-11 BSPT	5/8	.620	1.546	4	5	15225	14921

TOOL SIZE	SHANK DIA	CUT DIA	LOC	OAL	FL	COATED SKU #
1/16, 1/8-28 BSPT C	1/4	.240	.401	2.5	3	16355
1/4-19 BSPT C	5/16	.312	.578	3	4	16357
1/2-14 BSPT C	1/2	.470	.785	3.5	4	16359
1-11 BSPT C	5/8	.620	1.546	4	5	16361

TOOL SIZE	SHANK DIA	CUT DIA	LOC	OAL	FL	Coolant Holes	COATED SKU #
1/16, 1/8-28 BSPT SC	1/4	.240	.401	2.5	3	3	16354
1/4-19 BSPT SC	5/16	.312	.578	3	4	4	16356
1/2-14 BSPT SC	1/2	.470	.785	3.5	4	4	16358
1-11 BSPT SC	5/8	.620	1.546	4	5	5	16360

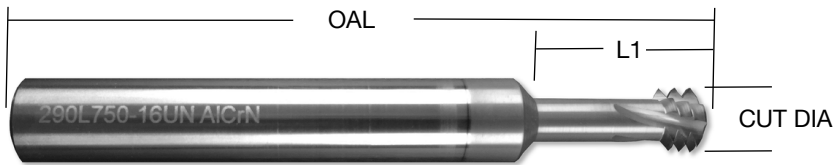
THREAD-PRO SOLID CARBIDE THREAD MILLS



MINI SINGLE FORM THREAD MILLS

	Thread Sizes	Cut Diameter	L1	Undercut Diameter	Flutes	OAL	Shank Diameter	STI Sizes	TiAIN SKU#
MTM-0	0-80	.045	.250	.030	1	1 1/2	1/8		15704
MTM-2	2-56 2-64 M2.5x0.45	.064	.250	.030	3	1 1/2	1/8		15705
MTM-4	4-40 4-48	.081	.250	.035	3	1 1/2	1/8	STI 2-56	15706
MTM-5	5-40 5-44 M3-0.5	.095	.250	.050	3	1 1/2	1/8		15707
MTM-6	6-32 6-40	.095	.375	.050	3	1 1/2	1/8	STI 4-40	15708
MTM-8	8-32 8-36 M4-0.7	.115	.375	.070	3	1 1/2	1/8	STI 4-40 STI 4-48 STI 6-32	15709
MTM-8.5	M5-0.8	.140	.375	.100	3	2	3/16	STI 6-32 STI 6-40	15710
MTM-9		.165	.500	.100	3	2	3/16	STI 8-32 STI 8-36	15711
MTM-10	10-24 10-32	.130	.500	.100	3	2	3/16	STI 10-24 STI 10-32	15712
MTM-11	1/4-20 1/4-28 M6-1.0	.180	.600	.100	3	2	3/16	STI 1/4-20 STI 1/4-28	15713
MTM-12	18-56	.240	1.00	.115	4	2 1/2	1/4		15749
MTM-13	12-32	.300	1.00	.230	4	3 1/2	3/8		15750
MTM-14	11-32	.490	1.25	.300	5	3 1/2	1/2		15751
MTM-15	4-12	.720	2	.420	6	4	3/4		15752

THREAD-PRO SOLID CARBIDE THREAD MILLS



AICrN Coated for Improved Performance

Mini Thread Mill Cut Diameter Thread Pitch

MTM 3- 057 L154- 72UN AICrN

Number of Thread Forms L1 Undercut Length Coating

MINI THREE FORM THREAD MILLS 2D

Thread Sizes	TPI	Item	SKU#	Cut Diameter	L1	Shank Diameter	OAL	Flutes
1-72	72	MTM3-057L154-72UN AICrN	23064	.057	.154	1/4	2.5	3
1-64 2-64	64	MTM3-057L165-64UN AICrN	23065	.057	.165	1/4	2.5	3
2-56 3-56	56	MTM3-065L197-56UN AICrN	23066	.065	.197	1/4	2.5	3
3-48 4-48	48	MTM3-075L236-48UN AICrN	23067	.075	.236	1/4	2.5	3
4-40 6-40	40	MTM3-085L236-40UN AICrN	23068	.085	.236	1/4	2.5	3
8-36	36	MTM3-115L343-36UN AICrN	23069	.115	.343	1/4	2.5	3
6-32 8-32 10-32	32	MTM3-100L292-32UN AICrN	23070	.100	.292	1/4	2.5	3
8-32 10-32	32	MTM3-120L394-32UN AICrN	23071	.120	.394	1/4	2.5	3
1/4-28	28	MTM3-180L520-28UN AICrN	23072	.130	.520	1/4	2.5	3
10-24 5/16-24	24	MTM3-130L400-24UN AICrN	23073	.240	.400	1/4	2.5	3

THREAD-PRO SOLID CARBIDE THREAD MILLS

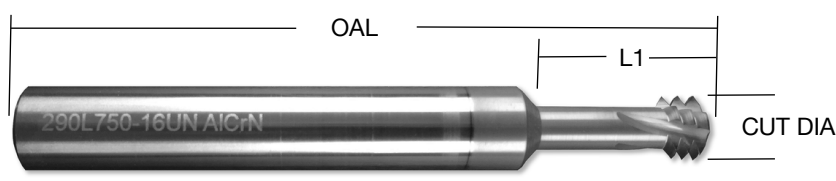


AICrN Coated for Improved Performance

MINI THREE FORM THREAD MILLS 2D Continued

Thread Sizes	TP I	Item	SKU#	Cut Diameter	L1	Shank Diameter	OAL	Flutes
5/16-24	24	MTM3-240L650-24UN AICrN	23074	.240	.650	1/4	2.5	3
1/4-20	20	MTM3-185L530-20UN AICrN	23075	.185	.530	1/4	2.5	3
7/16-20	20	MTM3-340L900-20UN AICrN	23076	.340	.900	3/8	3	4
3/8-16	16	MTM3-290L750-16UN AICrN	23077	.290	.750	3/8	3	4
7/16-14	14	MTM3-340L900-14UN AICrN	23078	.340	.900	3/8	3	4
1/2-13	13	MTM3-350L1.10-13UN AICrN	23079	.350	1.10	3/8	3	4
9/16-12	12	MTM3-370L1.25-12UN AICrN	23080	.370	1.25	1/2	3.5	4
5/8-11	11	MTM3-470L1.35-11UN AICrN	23081	.470	1.35	1/2	3.5	4
3/4-10	10	MTM3-495L1.60-10UN AICrN	23082	.495	1.60	1/2	3.5	4

THREAD-PRO SOLID CARBIDE THREAD MILLS



AlCrN Coated for Improved Performance

MINI THREE FORM THREAD MILLS 3D

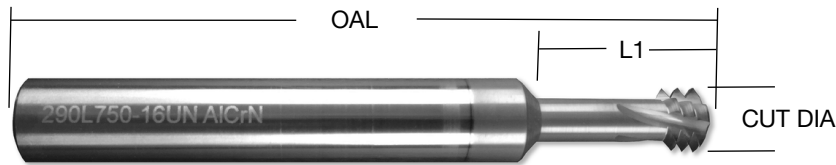
Thread Sizes	TPI	Item	SKU#	Cut Diameter	L1	Shank Diameter	OAL	Flutes
1-72	72	MTM3-057L240-72UN AlCrN	23083	.057	.240	1/4	2.5	3
2-56 3-56	56	MTM3-065L260-56UN AlCrN	23084	.065	.260	1/4	2.5	3
4-40 6-40	40	MTM3-085L310-40UN AlCrN	23085	.085	.310	1/4	2.5	3
6-32 8-32 10-32	32	MTM3-100L400-32UN AlCrN	23086	.100	.400	1/4	2.5	3
8-32 10-32	32	MTM3-120L500-32UN AlCrN	23087	.120	.500	1/4	2.5	3
1/4-28	28	MTM3-180L750-28UN AlCrN	23088	.180	.750	1/4	2.5	3
5/16-24	24	MTM3-240L940-24UN AlCrN	23089	.240	.940	1/4	2.5	3
1/4-20	20	MTM3-185L750-20UN AlCrN	23090	.185	.750	1/4	2.5	3
5/16-18	18	MTM3-240L900-18UN AlCrN	23091	.240	.900	1/4	2.5	3

THREAD-PRO SOLID CARBIDE THREAD MILLS

ISO THREE FORM THREAD MILLS 2D

Thread Sizes	PITCH	Item	SKU#	Cut Diameter	L1	Shank Diameter	OAL	Flutes
M1.6-0.35	0.35	MTM3-047L140-0.35ISO AlCrN	23092	.047	.140	1/8	2.5	3
M2-0.4	0.4	MTM3-060L165-0.4ISO AlCrN	23093	.060	.165	1/4	2.5	3
M2.2-0.45	0.45	MTM3-065L180-0.45ISO AlCrN	23094	.065	.180	1/4	2.5	3
M2.5-0.45	0.45	MTM3-075L200-0.45ISO AlCrN	23095	.075	.200	1/4	2.5	3
M3-0.5	0.5	MTM3-090L245-0.5ISO AlCrN	23096	.090	.245	1/4	2.5	3
M3.5-0.6	0.6	MTM3-105L285-0.6ISO AlCrN	23097	.105	.285	1/4	2.5	3
M4-0.7	0.7	MTM3-120L325-0.7ISO AlCrN	23098	.120	.325	1/4	2.5	3
M5-0.8	0.8	MTM3-155L400-0.8ISO AlCrN	23099	.155	.400	1/4	2.5	3
M6-1.0	1.0	MTM3-185L500-1.0ISO AlCrN	23100	.185	.500	1/4	2.5	3
M8-1.25	1.25	MTM3-245L650-1.25ISO AlCrN	23101	.245	.650	1/4	2.5	3
M10-1.5	1.50	MTM3-330L800-1.50ISO AlCrN	23102	.330	.800	3/8	3	4
M12-1.75	1.75	MTM3-360L1.0-1.75ISO AlCrN	23103	.360	1.0	3/8	3	4
M16-2.0	2.0	MTM3-470L1.40-2.0ISO AlCrN	23104	.470	1.40	1/2	3.5	4
M20-2.5	2.5	MTM3-495L1.70-2.5ISO AlCrN	23105	.495	1.70	1/2	3.5	4

THREAD-PRO SOLID CARBIDE THREAD MILLS



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ISO THREE FORM THREAD MILLS 3D

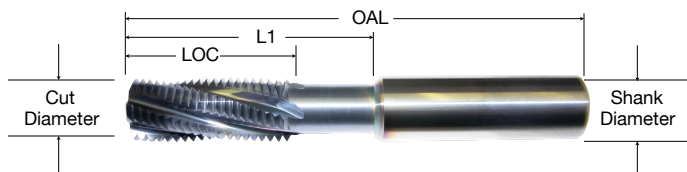
Thread Sizes	PITCH	Item	SKU#	Cut Diam	L1	Shank Diamete	OAL	Flutes
M1.6-0.35	0.35	MTM3-047L197-0.35ISO AICrN	23106	.047	.197	1/8	2.5	3
M2-0.4	0.4	MTM3-060L245-0.4ISO AICrN	23107	.060	.245	1/4	2.5	3
M2.2-0.45	0.45	MTM3-075L275-0.45ISO AICrN	23108	.075	.275	1/4	2.5	3
M3-0.5	0.5	MTM3-090L360-0.5ISO AICrN	23109	.090	.360	1/4	2.5	3
M4-0.7	0.7	MTM3-120L490-0.7ISO AICrN	23110	.120	.490	1/4	2.5	3
M5-0.8	0.8	MTM3-155L610-0.8ISO AICrN	23111	.155	.610	1/4	2.5	3
M6-1.0	1.0	MTM3-185L725-1.0ISO AICrN	23112	.185	.725	1/4	2.5	3
M8-1.25	1.25	MTM3-245L725-1.25ISO AICrN	23113	.245	.970	1/4	2.5	3

THREAD-PRO SOLID CARBIDE THREAD MILLS

SUGGESTED SPEEDS AND FEEDS

Material			Tool Shank Diameter and Number of Flutes SFPM & Feed Inches per Tooth						
			1/8"	3/16"	1/4"	5/16"	3/8"	1/2"	3/4"
Material	Class	Typical Grades	3	3	3	4	4	5	5
Steel	Plain & Low Carbon to 22Rc	1005,1020,1108-1119, 1213-1215, 1513-1518, 4012, 5015, 9310	600 .003	600 .003	600 .004	600 .005	600 .005	600 .006	600 .006
Medium Carbon & Alloy Steels	Carbon & Alloys 22 Rc to 32 RC	1025, 1130-1151, 1330-1345, 1520-1572, 4023-4063, 4120-4161, 4320-4340, 4620-4640, 8620-8660, 8720-8750, 6150, 51000, 52100	575 .001	575 .003	575 .002	575 .003	575 .003	575 .004	575 .004
Medium Carbon & Alloy Steels	Carbon & Alloys 32 Rc to 42 RC	1040-1095, 1140-1151, 1330-1345, 1520-1572, 4023-4063, 4120-4161, 4330-4340, 4620-4660, 8620-8660, 8740-8750, 6150, 51000, 52100	525 .0003	525 .0003	525 .0005	525 .0006	525 .0007	525 .001	525 .0015
Stainless Steels	Austenitic	301-304, 310, 316, 321, 347	525 .001	525 .001	525 .0015	525 .0015	525 .002	525 .003	525 .004
Stainless Steels	Martensitic	403, 410, 416, 420, 430, 431, 440C	550 .001	550 .001	550 .0015	550 .0015	550 .002	550 .003	550 .004
Stainless Steels	Precipitation Hardening	15-5PH, 17-4PH, AM350, AM355, AM363, PH13-8Mo, PH14-8Mo	300 .001	300 .001	300 .001	300 .0015	300 .0015	300 .002	300 .002
Nickel	Nickel Base Alloys	Inco 700, 713C, 718, Inconel X, Monel 400, 401, 404 & K401 Rene 41 Rene 95 Waspoloy, Udimet 500 & 700	120 .0005	120 .0005	120 .001	120 .001	120 .0015	120 .002	120 .001
Titanium	TITanium and Titanium Alloys	Pure Ti, Ti-6Al-4V, Ti-8Al-1Mo, Ti-8Al-4Mo	100 .0005	100 .0005	100 .001	100 .001	100 .0015	100 .002	100 .002
Cast Iron	Gray, Malleable & Ductile	A48, A220, A436, A319, A536, A602, J158, J434	600 .001	600 .0015	600 .0015	600 .002	600 .003	600 .004	600 .004
Non-Ferrous	Low Si & Cast Aluminum	6061, Free Machining Brass	1700 .002	1700 .002	1700 .003	1700 .003	1700 .004	1700 .005	1700 .005

THREAD-PRO SOLID CARBIDE THREAD MILLS



Special Thread Mill Request

Thread Specification* _____

Cut Diameter _____

LOC (Length of Cut) _____

L1** _____

Shank Diameter _____

OAL (Overall Length) _____

Comments: _____

*Please provide part print if available. Many special thread forms will vary from standard specifications.

**L1 length required for extra reach tools only. Recessed diameter will be .005 to .010 below root diameter of tool.

Name: _____

Company: _____

City: _____ State: _____ Zip: _____

Contact Phone: _____

Contact Email: _____

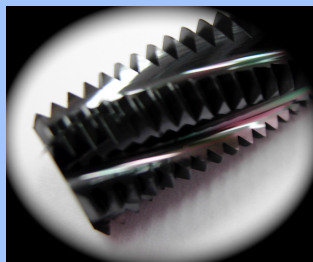
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