Spiral Point Plug Taps

Taraud à entrée hélicoïdale

Machuelo con punta en espiral

Ground Thread — High Speed Steel

Spiral Point taps are designed for machine tapping in through holes in a wide variety of materials. The point ejects the chips ahead of the tap, eliminating chip disposal problems and thread damage. Shallower flutes also result in greater tap core strength allowing for higher cutting speeds.

Steam Oxide Surface Treatment increases wear resistance, reduces friction, acts as a lubricant, reduces galling and chip welding. Improves chip flow and increases tap lubricant retention. **NOT RECOMMENDED FOR NON-FERROUS MATERIALS.**

List No. 2070 Machine Screw
Bright Finish

List No. 2070X Machine Screw
Steam Oxide Treated

STANDARD PACKAGE All sizes — 12 each

Bold type indicates standard H limit.

SIZE	TPI UNC	TPI UNF	PITCH DIA. LIMIT	THREAD LENGTH	OAL	NO. OF FLUTES	2070 EDP NO.	2070X EDP NO.
0	—	80	H1	5/16	1 5/8	2	34001	—
	—	80	**H2**	5/16	1 5/8	2	34002	34122
1	64	—	H1	3/8	1 11/16	2	34003	—
	64	—	**H2**	3/8	1 11/16	2	34004	—
	—	72	H1	3/8	1 11/16	2	34005	—
	—	72	**H2**	3/8	1 11/16	2	34006	34126
2	56	—	**H2**	7/16	1 3/4	2	34008	34127
	—	64	**H2**	7/16	1 3/4	2	34010	—
3	48	—	**H2**	1/2	1 13/16	2	34012	34129
	—	56	H1	1/2	1 13/16	2	34013	—
	—	56	**H2**	1/2	1 13/16	2	34014	34131
4	40	—	H1	9/16	1 7/8	2	34015	34132
	40	—	**H2**	9/16	1 7/8	2	34016	34133
	—	48	H1	9/16	1 7/8	2	34017	—
	—	48	**H2**	9/16	1 7/8	2	34018	—
	—	*36	**H2**	9/16	1 7/8	2	34019	34134
5	40	—	H1	5/8	1 15/16	2	34020	—
	40	—	**H2**	5/8	1 15/16	2	34021	34136
	—	44	**H2**	5/8	1 15/16	2	34022	—
6	32	—	H1	11/16	2	2	34023	—
	32	—	H2	11/16	2	2	34024	34137
	32	—	**H3**	11/16	2	2	34025	34138
	—	40	**H2**	11/16	2	2	34026	34139
8	32	—	H1	3/4	2 1/8	2	34027	—
	32	—	H2	3/4	2 1/8	2	34028	34140
	32	—	**H3**	3/4	2 1/8	2	34029	34141
	—	36	**H2**	3/4	2 1/8	2	34030	34142
10	24	—	H1	7/8	2 3/8	2	34031	—
	24	—	H2	7/8	2 3/8	2	34032	34143
	24	—	**H3**	7/8	2 3/8	2	34033	34144
	—	32	H1	7/8	2 3/8	2	34034	—
	—	32	H2	7/8	2 3/8	2	34035	34145
	—	32	**H3**	7/8	2 3/8	2	34036	34146
12	24	—	**H3**	15/16	2 3/8	2	34038	34147
	—	28	**H3**	15/16	2 3/8	2	34039	34148

*UNS

Tool Coatings Also Available

Titanium Nitride (TiN) Coated Spiral Point Plug Taps

Taraud à entrée hélicoïdale

Machuelo con punta en espiral

Spiral Point taps are designed for machine tapping in through holes in a wide variety of materials. The point ejects the chips ahead of the tap, eliminating chip disposal problems and thread damage. Shallower flutes also result in greater tap core strength allowing for higher cutting speeds.

Titanium Nitride (TiN) Coating results in an extremely hard surface with high lubricity for increased tool life, improved thread quality, reduced torque and increased tapping speeds for greater productivity.

List No. 2070G Machine Screw

Ground Thread – High Speed Steel

STANDARD PACKAGE. All sizes — 12 each

SIZE	PITCH DIA. LIMIT	THREAD LENGTH	OAL	NO. OF FLUTES	EDP NO.
0-80	H2	5/16	1 5/8	2	92520
1-64	H2	3/8	1 11/16	2	92521
2-56	H2	7/16	1 3/4	2	92522
2-64	H2	7/16	1 3/4	2	92523
3-48	H2	1/2	1 13/16	2	92524
3-56	H2	1/2	1 13/16	2	92525
4-40	H2	9/16	1 7/8	2	92526
4-48	H2	9/16	1 7/8	2	92527
5-40	H2	5/8	1 15/16	2	92528
5-44	H2	5/8	1 15/16	2	92529
6-32	H3	11/16	2	2	92530
6-40	H2	11/16	2	2	92531
8-32	H3	3/4	2 1/8	2	92532
8-36	H2	3/4	2 1/8	2	92533
10-24	H3	7/8	2 3/8	2	92534
10-32	H3	7/8	2 3/8	2	92535
12-24	H3	15/16	2 3/8	2	92536
12-28	H3	15/16	2 3/8	2	92537

+.005″ Oversize Spiral Point Plug Taps

Taraud surdimensionné

Machuelo de roscar extra grande

Spiral Point taps are designed for machine tapping in through holes in a wide variety of materials. The point ejects the chips ahead of the tap, eliminating chip disposal problems and thread damage. Shallower flutes also result in greater tap core strength allowing for higher cutting speeds.

+.005″ Oversize (H11) taps are mainly used for parts that will be plated or heat treated after tapping. Also used in materials that tend to shrink after tapping

List No. 2015 Machine Screw & Fractional

Ground Thread — High Speed Steel

STANDARD PACKAGE

Machine screw sizes: All sizes — 12 each

Fractional sizes:

1/4″ thru 1/2″ — 12 each

5/8″ — 3 each

PITCH DIA. LIMIT	AMOUNT LARGER THAN BASIC PITCH DIA.
H11	.0050"-.0055"

SIZE	TPI UNC	TPI UNF	PITCH DIA. LIMIT	THREAD LENGTH	OAL	NO. OF FLUTES	EDP NO.
6	32	—	H11	11/16	2	2	34241
8	32	—	H11	3/4	2 1/8	2	34243
10	24	—	H11	7/8	2 3/8	2	34244
10	—	32	H11	7/8	2 3/8	2	34245
1/4	20	—	H11	1	2 1/2	2	34251
5/16	18	—	H11	1 1/8	2 23/32	2	34253
3/8	16	—	H11	1 1/4	2 15/16	3	34255
1/2	13	—	H11	1 21/32	3 3/8	3	34259
5/8	11	—	H11	1 13/16	3 13/16	3	34263

Spiral Point Plug Taps

Ground Thread — High Speed Steel

Taraud à entrée hélicoïdale Machuelo con punta en espiral

Spiral Point taps are designed for machine tapping in through holes in a wide variety of materials. The point ejects the chips ahead of the tap, eliminating chip disposal problems and thread damage. Shallower flutes also result in greater tap core strength allowing for higher cutting speeds.

Steam Oxide Surface Treatment increases wear resistance reduces friction, acts as a lubricant, reduces galling and chip welding, improves chip flow and increases tap lubricant retention. **NOT RECOMMENDED FOR NON-FERROUS MATERIALS.**

List No. 2047 Fractional
Bright Finish

List No. 2047X Fractional
Steam Oxide Treated

STANDARD PACKAGE 1/4″ thru 1/2″ — 12 each
9/16″ thru 3/4″ — 3 each

Bold type indicates standard H limit.

SIZE	TPI UNC	TPI UNF	NO. OF FLUTES STD.	NO. OF FLUTES OPTL.	PITCH DIA. LIMIT	THREAD LENGTH	OAL	2047 EDP NO.	2047X EDP NO.
1/4	20	—	2	—	H1	1	2 1/2	33001	—
	20	—	2	—	H2	1	2 1/2	33002	33055
	20	—	2	—	**H3**	1	2 1/2	33003	33056
	20	—	2	—	H5	1	2 1/2	33004	33057
	20	—	—	3	**H3**	1	2 1/2	33005	—
	20	—	—	3	H5	1	2 1/2	33006	—
1/4	—	28	2	—	H1	1	2 1/2	33007	—
	—	28	2	—	H2	1	2 1/2	33008	33058
	—	28	2	—	**H3**	1	2 1/2	33009	33059
	—	28	2	—	H4	1	2 1/2	33010	33060
	—	28	—	3	H2	1	2 1/2	33011	—
	—	28	—	3	H4	1	2 1/2	33012	—
5/16	18	—	2	—	H1	1 1/8	2 23/32	33013	—
	18	—	2	—	H2	1 1/8	2 23/32	33014	—
	18	—	2	—	**H3**	1 1/8	2 23/32	33015	33061
	18	—	2	—	H5	1 1/8	2 23/32	33016	33062
	18	—	—	3	**H3**	1 1/8	2 23/32	33017	33063
	18	—	—	3	H5	1 1/8	2 23/32	33018	33064
5/16	—	24	2	—	H1	1 1/8	2 23/32	33019	—
	—	24	2	—	H2	1 1/8	2 23/32	33020	33065
	—	24	2	—	**H3**	1 1/8	2 23/32	33021	33066
	—	24	2	—	H4	1 1/8	2 23/32	33022	—
	—	24	—	3	H2	1 1/8	2 23/32	33023	—
	—	24	—	3	H4	1 1/8	2 23/32	33024	33067
3/8	16	—	3	—	H1	1 1/4	2 15/16	33025	—
	16	—	3	—	H2	1 1/4	2 15/16	33026	—
	16	—	3	—	**H3**	1 1/4	2 15/16	33027	33068
	16	—	3	—	H5	1 1/4	2 15/16	33028	33069
3/8	—	24	3	—	H1	1 1/4	2 15/16	33029	—
	—	24	3	—	H2	1 1/4	2 15/16	33030	—
	—	24	3	—	**H3**	1 1/4	2 15/16	33031	33070
	—	24	3	—	H4	1 1/4	2 15/16	33032	—
7/16	14	—	3	—	H2	1 7/16	3 5/32	33033	—
	14	—	3	—	**H3**	1 7/16	3 5/32	33034	33071
	14	—	3	—	H5	1 7/16	3 5/32	33035	33072
7/16	—	20	3	—	**H3**	1 7/16	3 5/32	33036	33073
	—	20	3	—	H5	1 7/16	3 5/32	33037	33074
1/2	13	—	3	—	H2	1 21/32	3 3/8	33039	—
	13	—	3	—	**H3**	1 21/32	3 3/8	33040	33075
	13	—	3	—	H5	1 21/32	3 3/8	33041	33076
1/2	—	20	3	—	H1	1 21/32	3 3/8	33042	—
	—	20	3	—	H2	1 21/32	3 3/8	33043	—
	—	20	3	—	**H3**	1 21/32	3 3/8	33044	33077
	—	20	3	—	H5	1 21/32	3 3/8	33045	33078
5/8	11	—	3	—	**H3**	1 13/16	3 13/16	33046	33079
	11	—	3	—	H5	1 13/16	3 13/16	33047	33080
	—	18	3	—	**H3**	1 13/16	3 13/16	33050	33081
3/4	10	—	3	—	**H3**	2	4 1/4	33048	33082
	10	—	3	—	H5	2	4 1/4	33049	33083
	—	16	3	—	**H3**	2	4 1/4	33052	33084

Titanium Nitride (TiN) Coated Spiral Point Plug Taps

Spiral Point taps are designed for machine tapping in through holes in a wide variety of materials. The point ejects the chips ahead of the tap, eliminating chip disposal problems and thread damage. Shallower flutes also result in greater tap core strength allowing for higher cutting speeds.

Titanium Nitride (TiN) Coating results in an extremely hard surface with high lubricity for increased tool life, improved thread quality, reduced torque and increased tapping speeds for greater productivity.

Taraud à entrée hélicoïdale

Machuelo con punta en espiral

List No. 2047G Fractional

Ground Thread – High Speed Steel

STANDARD PACKAGE 1/4 - 1/2 — 12 each
5/8 - 3/4 — 3 each

SIZE	PITCH DIA. LIMIT	THREAD LENGTH	OAL	NO. OF FLUTES	EDP NO.
¼-20	H3	1	2½	2	92500
¼-28	H3	1	2½	2	92501
5/16-18	H3	1⅛	2 23/32	2	92502
5/16-24	H3	1⅛	2 23/32	2	92503
⅜-16	H3	1¼	2 15/16	3	92504
⅜-24	H3	1¼	2 15/16	3	92505
7/16-14	H3	1 7/16	3 5/32	3	92506
7/16-20	H3	1 7/16	3 5/32	3	92507
½-13	H3	1 21/32	3⅜	3	92508
½-20	H3	1 21/32	3⅜	3	92509
⅝-11	H3	1 13/16	3 13/16	3	92510
⅝-18	H3	1 13/16	3 13/16	3	92511
¾-10	H3	2	4¼	3	92512
¾-16	H3	2	4¼	3	92513

Spiral Point Bottoming Taps

Spiral Point Bottoming taps are designed for machine tapping in blind holes with adequate chip space at the bottom of the hole. The point ejects the chips ahead of the tap, eliminating chip disposal problems and thread damage. Shallower flutes also result in greater tap core strength allowing for higher cutting speeds. Recommended for a wide range of materials.

Taraud à entrée hélicoïdale Machuelo con punta en espiral

List No. 2047 Fractional

List No. 2070 Machine Screw

STANDARD PACKAGE All sizes — 12 each

Ground Thread — High Speed Steel

SIZE	TPI UNC	TPI UNF	NO. OF FLUTES	PITCH DIA. LIMIT	THREAD LENGTH	OAL	EDP NO.
0	—	80	2	H2	5/16	1⅝	34101
2	56	—	2	H2	7/16	1¾	34102
3	48	—	2	H2	½	1 13/16	34103
4	40	—	2	H2	9/16	1⅞	34104
	—	48	2	H2	9/16	1⅞	34105
5	40	—	2	H2	⅝	1 15/16	34106
6	32	—	2	H2	11/16	2	34107
	32	—	2	H3	11/16	2	34108
	—	40	2	H2	11/16	2	34109
8	32	—	2	H2	¾	2⅛	34110
8	32	—	2	H3	¾	2⅛	34111
10	24	—	2	H2	⅞	2⅜	34112
	24	—	2	H3	⅞	2⅜	34113
	—	32	2	H2	⅞	2⅜	34114
	—	32	2	H3	⅞	2⅜	34115
12	24	—	2	H3	15/16	2⅜	34116
¼	20	—	2	H3	1	2½	33101
	—	28	2	H3	1	2½	33102
5/16	18	—	2	H3	1⅛	2 23/32	33103
	—	24	2	H3	1⅛	2 23/32	33104

Metric Spiral Point Plug Taps

Taraud à entrée hélicoïdale Machuelo con punta en espiral

Ground Thread — High Speed Steel

Spiral Point taps are designed for machine tapping in through holes in a wide variety of materials. The point ejects the chips ahead of the tap, eliminating chip disposal problems and thread damage. Shallower flutes also result in greater tap core strength allowing for higher cutting speeds.

STANDARD PACKAGE
M1.6 thru M12 — 12 each
M14 thru M16 — 3 each
M18 thru M20 — 1 each

List No. 7501 Bright Finish

List No. 7501G TiN Coated

Titanium Nitride (TiN) Coating results in an extremely hard surface with high lubricity for increased tool life, improved thread quality, reduced torque and increased tapping speeds for greater productivity.

SIZE	PITCH DIA. LIMIT	THREAD LENGTH	OAL	NO. OF FLUTES	7501 EDP NO.	7501G EDP NO.
M1.6 × 0.35	D3	5/16	1 5/8	2	38516	98516
M1.8 × 0.35	D3	3/8	1 11/16	2	38517	98517
M2 × 0.4	D3	7/16	1 3/4	2	38518	98518
M2.2 × 0.45	D3	7/16	1 3/4	2	38519	98519
M2.5 × 0.45	D3	1/2	1 13/16	2	38501	98501
M3 × 0.5	D3	5/8	1 15/16	2	38502	98502
M3.5 × 0.6	D4	11/16	2	2	38503	98503
M4 × 0.7	D4	3/4	2 1/8	2	38504	98504
M4.5 × 0.75	D4	7/8	2 3/8	2	38505	98505
M5 × 0.8	D4	7/8	2 3/8	2	38506	98506
M6 × 1	D5	1	2 1/2	2	38507	98507
M7 × 1	D5	1 1/8	2 23/32	2	38508	98508
M8 × 1	D5	1 1/8	2 23/32	2	38520	98520
M8 × 1.25*	D5	1 1/8	2 23/32	2	38509	98509
M10 × 1.25	D5	1 1/4	2 15/16	3	38521	98521
M10 × 1.5*	D6	1 1/4	2 15/16	3	38510	98510
M12 × 1.25	D5	1 21/32	3 3/8	3	38522	98522
M12 × 1.75*	D6	1 21/32	3 3/8	3	38511	98511
M14 × 1.5	D6	1 21/32	3 19/32	3	38523	98523
M14 × 2*	D7	1 21/32	3 19/32	3	38512	98512
M16 × 1.5	D6	1 13/16	3 13/16	3	38524	98524
M16 × 2*	D7	1 13/16	3 13/16	3	38513	98513
M18 × 2.5	D7	1 13/16	4 1/32	3	38514	98514
M20 × 2.5	D7	2	4 15/32	3	38515	98515

Pitch diameters are those recommended for 6H class of thread

* Designates Course Pitch

TOOL COATING SERVICE

Tool Coatings enhance cutting tool performance for increased productivity and lower overall tooling cost. Benefits include increased surface hardness, lubricity & heat resistance and decreased chemical reactivity. Results include reduced friction & torque, higher speeds & feeds, increased tool life, decreased galling & chip welding and improved surface finish. **PLEASE INQUIRE.**

TiN — Titanium Nitride

TiCN — Titanium Carbonitride

TiALN — Titanium Aluminum Nitride **ALTiN** — Aluminum Titanium Nitride

CrN — Chromium Nitride **CrC** — Chromium Carbide

DLC — Diamond Like Carbon