Spiral Point SHEARTAP™

High Speed Steel
Plug Style

Primarily designed for tapping through holes. The spiral point forces the chips ahead of the tap.

Taraud à entrée hélicoïdale Machuelo con punta en espiral

"ShearTap" offers exceptional value for high volume production tapping in carbon steels, and stainless steels up to 35 Rc hardness.

Steam Oxide Over Nitride resists chip welding, increases lubricity and helps to retain cutting fluid. **TiN Coating** increases hardness and lubricity for improved thread quality, higher speeds and longer tool life.

List No. 2090 — Steam Oxide Over Nitride

List No. 2090G — TiN Coated

STANDARD PACKAGE **Machine Screw Sizes** — 12 each
Fractional Sizes 1/4″ thru 1/2″ — 12 each
9/16″ thru 3/4″ — 3 each
7/8″ thru 2″ —1 each

CNC Reduced Neck Design

Cutting Speeds: Page 165

SIZE	THREAD TYPE	NO. OF FLUTES	THREAD LENGTH	NECK LENGTH	OAL	SURFACE TREATED H2	SURFACE TREATED H3	SURFACE TREATED H4	SURFACE TREATED H5	TIN COATED H2	TIN COATED H3	TIN COATED H4	TIN COATED H5
#4-40	NC	2	.313	.250	1⅞	34400	34401	—	34402	94400	94401	—	94402
#6-32	NC	2	.375	.313	2	34404	34405	—	34406	94404	94405	—	94406
#8-32	NC	3	.375	.375	2⅛	34407	34408	—	34409	94407	94408	—	94409
#10-24	NC	3	.500	.375	2⅜	—	34410	—	—	—	94410	—	—
#10-32	NF	3	.500	.375	2⅜	34411	34412	—	34413	94411	94412	—	94413
1/4-20	NC	3	.625	.375	2½	34416	34417	—	34418	94416	94417	—	94418
1/4-28	NF	3	.625	.375	2½	34419	34420	34421	—	94419	94420	94421	—
5/16-18	NC	3	.688	.438	2²³⁄₃₂	—	34422	—	34423	—	94422	—	94423
5/16-24	NF	3	.688	.438	2²³⁄₃₂	—	34424	34425	—	—	94424	94425	—
3/8-16	NC	3	.750	.500	2¹⁵⁄₁₆	—	34426	—	34427	—	94426	—	94427
3/8-24	NF	3	.750	.500	2¹⁵⁄₁₆	—	34428	34429	—	—	94428	94429	—
7/16-14	NC	3	.875	.563	3⅝₃₂	—	34430	—	34431	—	94430	—	94431
7/16-20	NF	3	.875	.563	3⅝₃₂	—	34432	—	34433	—	94432	—	94433
1/2-13	NC	3	.938	.719	3⅜	—	34434	—	34435	—	94434	—	94435
1/2-20	NF	3	.938	.719	3⅜	—	34436	—	34437	—	94436	—	94437
9/16-12	NC	4	1.000	.673	3¹⁹⁄₃₂	—	34438	—	—	—	94438	—	—
9/16-18	NF	4	1.000	.673	3¹⁹⁄₃₂	—	34439	—	—	—	94439	—	—
5/8-11	NC	4	1.125	.673	3¹³⁄₁₆	—	34440	—	—	—	94440	—	—
5/8-18	NF	4	1.125	.673	3¹³⁄₁₆	—	34441	—	—	—	94441	—	—
3/4-10	NC	4	1.219	.766	4¼	—	34444	—	—	—	94444	—	—
3/4-16	NF	4	1.219	.766	4¼	—	34445	—	—	—	94445	—	—
7/8-9	NC	4	1.344	.875	4¹¹⁄₁₆	—	—	34500	—	—	—	94500	—
7/8-14	NF	4	1.344	.875	4¹¹⁄₁₆	—	—	34501	—	—	—	94501	—
1-8	NC	4	1.500	1.000	5⅛	—	—	34502	—	—	—	94502	—
1-12	NF	4	1.500	1.000	5⅛	—	—	34503	—	—	—	94503	—
1⅛-7	NC	4	1.719	.843	5⁷⁄₁₆	—	—	34504	—	—	—	94504	—
1⅛-12	NF	4	1.719	.843	5⁷⁄₁₆	—	—	34505	—	—	—	94505	—
1¼-7	NC	4	1.719	.843	5¾	—	—	34506	—	—	—	94506	—
1¼-12	NF	4	1.719	.843	5¾	—	—	34507	—	—	—	94507	—
1⅜-6	NC	4	2.000	1.000	6¹⁄₁₆	—	—	34508	—	—	—	94508	—
1⅜-12	NF	4	2.000	1.000	6¹⁄₁₆	—	—	34509	—	—	—	94509	—
1½-6	NC	6	2.000	1.000	6⅜	—	—	34510	—	—	—	94510	—
1½-12	NF	6	2.000	1.000	6⅜	—	—	34511	—	—	—	94511	—
1¾-5*	NC	6	2.406	.782	7	—	—	—	34512*	—	—	—	94512*
2-4½*	NC	6	2.688	.874	7⅝	—	—	—	34514*	—	—	—	94514*

*H7 Pitch Dia. Limit (Sizes 1¾-5 and 2-4½)

Spiral Flute SHEARTAP™

High Speed Steel – 48° Helix Angle Semi-Bottoming Style

Primarily designed for tapping blind holes. The spiral flutes draw the chips out of the hole.

"ShearTap" offers exceptional value for high volume production tapping in carbon steels, and stainless steels up to 35 Rc Hardness

Steam Oxide Over Nitride resists chip welding, increases lubricity and helps to retain cutting fluid. **TiN Coating** increases hardness and lubricity for improved thread quality, higher speeds and longer tool life.

CNC Reduced Neck Design

Taraud à gorges hélicoïdales

Machuelo de roscar con gavilanes en espiral

List No. 2091 — Steam Oxide Over Nitride

List No. 2091G — TiN Coated

STANDARD PACKAGE **Machine Screw Sizes** — 12 each
Fractional Sizes 1/4″ thru 1/2″ — 12 each
9/16″ thru 3/4″ — 3 each
7/8″ thru 2″ —1 each

SIZE	THREAD TYPE	NO. OF FLUTES	THREAD LENGTH	NECK LENGTH	OAL	SURFACE TREATED H2	SURFACE TREATED H3	SURFACE TREATED H4	SURFACE TREATED H5	TiN COATED H2	TiN COATED H3	TiN COATED H4	TiN COATED H5
#4-40	NC	3	.236	.327	1⅞	34450	34451	—	—	94450	94451	—	—
#6-32	NC	3	.236	.452	2	34453	34454	—	34455	94453	94454	—	94455
#8-32	NC	3	.236	.514	2⅛	34456	34457	—	34458	94456	94457	—	94458
#10-24	NC	3	.354	.521	2⅜	34459	34460	—	—	94459	94460	—	—
#10-32	NF	3	.354	.521	2⅜	34461	34462	—	34463	94461	94462	—	94463
1/4-20	NC	3	.433	.567	2½	—	34466	—	34467	—	94466	—	94467
1/4-28	NF	3	.433	.567	2½	—	34468	34469	—	—	94468	94469	—
5/16-18	NC	3	.472	.653	2²³⁄₃₂	—	34470	—	34471	—	94470	—	94471
5/16-24	NF	3	.472	.653	2²³⁄₃₂	—	34472	34473	—	—	94472	94473	—
3/8-16	NC	3	.551	.699	2¹⁵⁄₁₆	—	34474	—	34475	—	94474	—	94475
3/8-24	NF	3	.551	.699	2¹⁵⁄₁₆	—	34476	34477	—	—	94476	94477	—
7/16-14	NC	3	.591	.847	3⅝₃₂	—	34478	—	34479	—	94478	—	94479
7/16-20	NF	3	.591	.847	3⅝₃₂	—	34480	—	34481	—	94480	—	94481
1/2-13	NC	3	.630	1.026	3⅜	—	34482	—	34483	—	94482	—	94483
1/2-20	NF	3	.630	1.026	3⅜	—	34484	—	34485	—	94484	—	94485
9/16-12	NC	3	.690	.983	3¹⁹⁄₃₂	—	34486	—	—	—	94486	—	—
9/16-18	NF	3	.690	.983	3¹⁹⁄₃₂	—	34487	—	—	—	94487	—	—
5/8-11	NC	3	.745	1.052	3¹³⁄₁₆	—	34488	—	—	—	94488	—	—
5/8-18	NF	3	.745	1.052	3¹³⁄₁₆	—	34489	—	—	—	94489	—	—
3/4-10	NC	4	.820	1.165	4¼	—	34492	—	—	—	94492	—	—
3/4-16	NF	4	.820	1.165	4¼	—	34493	—	—	—	94493	—	—
7/8-9	NC	4	.911	1.308	4¹¹⁄₁₆	—	—	34520	—	—	—	94520	—
7/8-14	NF	4	.911	1.308	4¹¹⁄₁₆	—	—	34521	—	—	—	94521	—
1-8	NC	4	1.025	1.475	5⅛	—	—	34522	—	—	—	94522	—
1-12	NF	4	1.025	1.475	5⅛	—	—	34523	—	—	—	94523	—
1⅛-7	NC	4	1.143	1.419	5⁷⁄₁₆	—	—	34524	—	—	—	94524	—
1⅛-12	NF	4	1.143	1.419	5⁷⁄₁₆	—	—	34525	—	—	—	94525	—
1¼-7	NC	4	1.143	1.419	5¾	—	—	34526	—	—	—	94526	—
1¼-12	NF	4	1.143	1.419	5¾	—	—	34527	—	—	—	94527	—
1⅜-6	NC	4	1.333	1.667	6¹⁄₁₆	—	—	34528	—	—	—	94528	—
1⅜-12	NF	4	1.333	1.667	6¹⁄₁₆	—	—	34529	—	—	—	94529	—
1½-6	NC	4	1.333	1.667	6⅜	—	—	34530	—	—	—	94530	—
1½-12	NF	4	1.333	1.667	6⅜	—	—	34531	—	—	—	94531	—
1¾-5*	NC	6	1.600	1.588	7	—	—	—	34532*	—	—	—	94532*
2-4½*	NC	6	1.777	1.588	7⅝	—	—	—	34534*	—	—	—	94534*

*H7 Pitch Dia. Limit (Sizes 1¾-5 and 2-4½)