SPIRAL POINT PLUG TAPS

DESCRIPTION

- Manufactured To Table 302A Standards
- M2 High Speed Steel
- TiCN Coated

Titanium
Carbonitride
Coating
increases wear resistance, reduces friction and galling, reduces tapping torque, improves thread quality and allows increased cutting speeds for greatly increased productivity and tool life.

Reduce Neck Design and Shorter Thread Length
Ideal for increased coolant flow to the cutting edge, enhanced chip evacuation and reduced contact between tap and workpiece. For general purpose tapping in a wide variety of materials up to 28Rc hardness.

CNC Reduced Neck Design

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

Fractional & Machine Screw

SIZE	THREAD TYPE	PITCH DIA. LIMIT	NO. OF FLUTES	THREAD LENGTH	NECK LENGTH	OAL	EDP NO.
4-40	NC	H2	2	.313	.250	1-7/8	200100
6-32	NC	H3	2	.375	.313	2	200103
8-32	NC	H3	2	.375	.375	2-1/8	200106
10-24	NC	H3	2	.500	.375	2-3/8	200112
10-32	NF	H3	2	.500	.375	2-3/8	200118
12-24	NC	H3	3	.500	.375	2-3/8	200124
12-28	NF	H3	3	.500	.375	2-3/8	200127
1/4-20	NC	H3	3	.625	.375	2-1/2	200133
1/4-28	NF	H3	3	.625	.375	2-1/2	200136
5/16-18	NC	H3	3	.688	.438	2-23/32	200142
5/16-24	NF	H3	3	.688	.438	2-23/32	200145
3/8-16	NC	H3	3	.750	.500	2-15/16	200148
3/8-24	NF	H3	3	.750	.500	2-15/16	200151
7/16-14	NC	H3	3	.875	.563	3-5/32	200154
7/16-20	NF	H3	3	.875	.563	3-5/32	200157
1/2-13	NC	H3	3	.938	.719	3-3/8	200160
1/2-20	NF	H3	3	.938	.719	3-3/8	200163
9/16-12	NC	H3	4	1.000	.673	3-19/32	200166
9/16-18	NF	H3	4	1.000	.673	3-19/32	200169
5/8-11	NC	H3	4	1.125	.673	3-13/16	200172
5/8-18	NF	H3	4	1.125	.673	3-13/16	200175
3/4-10	NC	H3	4	1.219	.766	4-1/4	200178
3/4-16	NF	H3	4	1.219	.766	4-1/4	200181
7/8-9	NC	H4	4	1.344	.875	4-11/16	200184
7/8-14	NF	H4	4	1.344	.875	4-11/16	200187
1-8	NC	H4	4	1.500	1.000	5-1/8	200190
1-12	NF	H4	4	1.500	1.000	5-1/8	200193

Metric

SIZE	PITCH	PITCH DIA. LIMIT	NO. OF FLUTES	THREAD LENGTH	NECK LENGTH	OAL	EDP NO.
M2	0.4	D3	2	.313	.313	1-15/16	200220
M2.5	0.45	D3	2	.313	.313	1-15/16	200223
M3	0.5	D3	2	.313	.313	1-15/16	200226
M3.5	0.6	D4	2	.375	.313	2	200229
M4	0.7	D4	3	.375	.375	2-1/8	200232
M5	0.8	D4	3	.500	.375	2-3/8	200235
M6	1	D5	3	.625	.375	2-1/2	200238
M7	1	D5	3	.688	.438	2-23/32	200241
M8	1	D5	3	.688	.438	2-23/32	200244
M8	1.25	D5	3	.688	.438	2-23/32	200247
M10	1.25	D5	3	.750	.500	2-15/16	200250
M10	1.5	D6	3	.750	.500	2-15/16	200253
M12	1.25	D5	3	.938	.719	3-3/8	200256
M12	1.75	D6	3	.938	.719	3-3/8	200259
M14	1.5	D6	4	1.000	.673	3-19/32	200262
M14	2	D7	4	1.000	.673	3-19/32	200265
M16	1.5	D6	4	1.125	.673	3-13/16	200268
M16	2	D7	4	1.125	.673	3-13/16	200271
M18	1.5	D6	4	1.125	.719	4-1/32	200274
M18	2.5	D7	4	1.125	.719	4-1/32	200277
M20	1.5	D6	4	1.188	.812	4-15/32	200280
M20	2.5	D7	4	1.188	.812	4-15/32	200283
M22	1.5	D6	4	1.188	1.031	4-11/16	200286
M22	2.5	D7	4	1.188	1.031	4-11/16	200289
M24	1.5	D7	4	1.422	.797	4-29/32	200292
M24	3	D8	4	1.422	.797	4-29/32	200295

SPIRAL FLUTE SEMI-BOTTOMING TAPS

DESCRIPTION

- Manufactured To Table 302A Standards
- M2 High Speed Steel
- TiCN Coated

Titanium Carbonitride Coating
increases wear resistance, reduces friction and galling, reduces tapping torque, improves thread quality and allows increased cutting speeds for greatly increased productivity and tool life.

Reduce Neck Design and Shorter Thread Length
Ideal for increased coolant flow to the cutting edge, enhanced chip evacuation and reduced contact between tap and workpiece. For general purpose tapping in a wide variety of materials up to 28Rc hardness.

CNC Reduced Neck Design
Designed for tapping blind holes. The spiral flutes draw the chips out of the hole.

Fractional & Machine Screw

SIZE	THREAD TYPE	PITCH DIA. LIMIT	NO. OF FLUTES	THREAD LENGTH	NECK LENGTH	OAL	EDP NO.
4-40	NC	H2	3	.236	.327	1-7/8	200300
6-32	NC	H3	3	.236	.452	2	200303
8-32	NC	H3	3	.236	.514	2-1/8	200306
10-24	NC	H3	3	.354	.521	2-3/8	200309
10-32	NF	H3	3	.354	.521	2-3/8	200312
12-24	NC	H3	3	.354	.521	2-3/8	200315
12-28	NF	H3	3	.354	.521	2-3/8	200318
1/4-20	NC	H3	3	.433	.567	2-1/2	200321
1/4-28	NF	H3	3	.433	.567	2-1/2	200324
5/16-18	NC	H3	3	.472	.653	2-23/32	200327
5/16-24	NF	H3	3	.472	.653	2-23/32	200330
3/8-16	NC	H3	3	.551	.699	2-15/16	200333
3/8-24	NF	H3	3	.551	.699	2-15/16	200336
7/16-14	NC	H3	3	.591	.847	3-5/32	200339
7/16-20	NF	H3	3	.591	.847	3-5/32	200342
1/2-13	NC	H3	3	.630	1.026	3-3/8	200345
1/2-20	NF	H3	3	.630	1.026	3-3/8	200348
9/16-12	NC	H3	3	.690	.983	3-19/32	200351
9/16-18	NF	H3	3	.690	.983	3-19/32	200354
5/8-11	NC	H3	3	.745	1.052	3-13/16	200357
5/8-18	NF	H3	3	.745	1.052	3-13/16	200360
3/4-10	NC	H3	4	.820	1.165	4-1/4	200363
3/4-16	NF	H3	4	.820	1.165	4-1/4	200366
7/8-9	NC	H4	4	.911	1.308	4-11/16	200369
7/8-14	NF	H4	4	.911	1.308	4-11/16	200372
1-8	NC	H4	4	1.025	1.475	5-1/8	200375
1-12	NF	H4	4	1.025	1.475	5-1/8	200378

Metric

SIZE	PITCH	PITCH DIA. LIMIT	NO. OF FLUTES	THREAD LENGTH	NECK LENGTH	OAL	EDP NO.
M3	0.5	D3	3	.236	.389	1-15/16	200405
M3.5	0.6	D4	3	.236	.452	2	200408
M4	0.7	D4	3	.236	.514	2-1/8	200411
M5	0.8	D4	3	.354	.521	2-3/8	200414
M6	1	D5	3	.433	.567	2-1/2	200417
M7	1	D5	3	.472	.653	2-23/32	200420
M8	1	D5	3	.472	.653	2-23/32	200423
M8	1.25	D5	3	.472	.653	2-23/32	200426
M10	1.25	D5	3	.551	.699	2-15/16	200429
M10	1.5	D6	3	.551	.699	2-15/16	200432
M12	1.25	D5	3	.630	1.026	3-3/8	200435
M12	1.75	D6	3	.630	1.026	3-3/8	200438
M14	1.5	D6	3	.690	.983	3-19/32	200441
M14	2	D7	3	.690	.983	3-19/32	200444
M16	1.5	D6	3	.745	1.052	3-13/16	200447
M16	2	D7	3	.745	1.052	3-13/16	200450
M18	1.5	D6	4	.813	.983	4-1/32	200453
M18	2.5	D7	4	.813	.983	4-1/32	200456
M20	1.5	D6	4	.790	1.210	4-15/32	200459
M20	2.5	D7	4	.790	1.210	4-15/32	200462
M22	1.5	D6	4	.790	1.428	4-11/16	200465
M22	2.5	D7	4	.790	1.428	4-11/16	200468
M24	1.5	D7	4	.940	1.279	4-29/32	200471
M24	3	D8	4	.940	1.279	4-29/32	200474