

Spiral Point Taps-Plug Style High Speed Steel-Ground Thread

- Designed for machine tapping in open or through holes in a wide variety of materials
- Shearing action of the point pushes chips ahead of the cutting action to reduce loading of the flutes
- The design offers greater strength which enables higher speeds and faster production

Inch

Model No.	Size	No. of Flutes	Thread Limits
TSP-0/80H-1	0-80NF	2	H-1
TSP-0/80H-2	0-80NF	2	H-2
TSP-1/64H-1	1-64NC	2	H-1
TSP-1/64H-2	1-64NC	2	H-2
TSP-1/72H-1	1-72NF	2	H-1
TSP-1/72H-2	1-72NF	2	H-2
TSP-2/56H-2	2-56NC	2	H-2
TSP-2/64H-2	2-64NF	2	H-2
TSP-3/48H-2	3-48NC	2	H-2
TSP-3/56H-2	3-56NF	2	H-2
TSP-4/40H-2	4-40NC	2	H-2
TSP-4/40H-7	4-40NC	2	H-7
TSP-4/48H-2	4-48NF	2	H-2
TSP-5/40H-2	5-40NC	2	H-2
TSP-5/40H-7	5-40NC	2	H-7
TSP-5/44H-2	5-44NF	2	H-2
TSP-6/32H-2	6-32NC	2	H-2
TSP-6/32H-3	6-32NC	2	H-3
TSP-6/32H-7	6-32NC	2	H-7
TSP-6/40H-2	6-40NF	2	H-2
TSP-8/32H-2	8-32NC	2	H-2
TSP-8/32H-3	8-32NC	2	H-3
TSP-8/32H-7	8-32NC	2	H-7
TSP-8/36H-2	8-36NF	2	H-2
TSP-10/24H-2	10-24NC	2	H-2
TSP-10/24H-3	10-24NC	2	H-3
TSP-10/24H-7	10-24NC	2	H-7
TSP-10/32H-2	10-32NF	2	H-2
TSP-10/32H-3	10-32NF	2	H-3
TSP-10/32H-7	10-32NF	2	H-7

Metric

Model No.	Size	No. of Flutes	Thread Limits	Model No.	Size	No. of Flutes	Thread Limits	Model No.	Size	Pitch (mm)
TSP-12/24H-3	12-24NC	2	H-3	TSP-1/2/13H-3	1/2-13NC	3	H-3	TPS-1.6-.35	1.6	.35
TSP-12/28H-3	12-28NF	2	H-3	TSP-1/2/13H-5	1/2-13NC	3	H-5	TPS-1.8-.35	1.8	.35
TSP-1/4/20H-2	1/4-20NC	2	H-2	TSP-1/2/20H-3	1/2-20NF	3	H-3	TPS-2.0-.4	2.0	.40
TSP-1/4/20H-3	1/4-20NC	2	H-3	TSP-1/2/20H-5	1/2-20NF	3	H-5	TPS-2.2-.45	2.2	.45
TSP-1/4/20H-5	1/4-20NC	2	H-5	TSP-9/16/12H-3	9/16-12NC	3	H-3	TPS-2.5-.45	2.5	.45
TSP-1/4/20H-2	1/4-20NC	3	H-2	TSP-9/16/12H-5	9/16-12NC	3	H-5	TPS-3.0-.5	3.0	.50
TSP-1/4/20H-3	1/4-20NC	3	H-3	TSP-9/16/18H-3	9/16-18NF	3	H-3	TPS-3.5-.6	3.5	.60
TSP-1/4/20H-5	1/4-20NC	3	H-5	TSP-9/16/18H-5	9/16-18NF	3	H-5	TPS-4.0-.7	4.0	.70
TSP-1/4/28H-2	1/4-28NF	2	H-2	TSP-5/8/11H-3	5/8-11NC	3	H-3	TPS-4.5-.75	4.5	.75
TSP-1/4/28H-3	1/4-28NF	2	H-3	TSP-5/8/11H-5	5/8-11NC	3	H-5	TPS-5.0-.5	5.0	.50
TSP-1/4/28H-5	1/4-28NF	2	H-5	TSP-5/8/18H-3	5/8-18NF	3	H-3	TPS-5.0-.8	5.0	.80
TSP-5/16/18H-2	5/16-18NC	2	H-2	TSP-5/8/18H-5	5/8-18NF	3	H-5	TPS-6.0-.75	6.0	.75
TSP-5/16/18H-3	5/16-18NC	2	H-3	TSP-5/8/18H-3	5/8-18NF	3	H-3	TPS-6.0-1	6.0	1.00
TSP-5/16/18H-5	5/16-18NC	2	H-5	TSP-5/8/18H-5	5/8-18NF	3	H-5	TPS-6.3-1	6.3	1.00
TSP-5/16/18H-2	5/16-18NC	2	H-2	TSP-11/16/11H-3	11/16-11NS	3	H-3	TPS-7.0-1	7.0	1.00
TSP-5/16/18H-3	5/16-18NC	2	H-3	TSP-11/16/16H-3	11/16-11NS	3	H-3	TPS-8.0-.75	8.0	.75
TSP-5/16/18H-5	5/16-18NC	2	H-5	TSP-3/4/10H-3	3/4-10NC	3	H-3	TPS-8.0-1	8.0	1.00
TSP-5/16/18H-2	5/16-18NC	3	H-2	TSP-3/4/10H-5	3/4-10NC	3	H-5	TPS-8.0-.25	8.0	1.25
TSP-5/16/18H-3	5/16-18NC	3	H-3	TSP-3/4/16H-3	3/4-16NF	3	H-3	TPS-10.0-1	10.0	1.00
TSP-5/16/18H-5	5/16-18NC	3	H-5	TSP-3/4/16H-5	3/4-16NF	3	H-5	TPS-10.0-1.25	10.0	1.25
TSP-5/16/24H-2	5/16-24NF	2	H-2	TSP-7/8/9H-4	7/8-9NC	3	H-4	TPS-10.0-1.5	10.0	1.50
TSP-5/16/24H-3	5/16-24NF	2	H-3	TSP-7/8/9H-4	7/8-9NC	4	H-4	TPS-12.0-1.25	12.0	1.25
TSP-5/16/24H-5	5/16-24NF	2	H-5	TSP-7/8/14H-4	7/8-14NF	3	H-4	TPS-12.0-1.5	12.0	1.50
TSP-3/8/16H-2	3/8-16NC	3	H-2	TSP-7/8/14H-4	7/8-14NF	4	H-4	TPS-14.0-1.25	14.0	1.25
TSP-3/8/16H-3	3/8-16NC	3	H-3	TSP-1/8H-4	1-8NC	3	H-4	TPS-14.0-1.5	14.0	1.50
TSP-3/8/16H-5	3/8-16NC	3	H-5	TSP-1/8H-4	1-8NC	4	H-4	TPS-14.0-2	14.0	2.00
TSP-3/8/24H-2	3/8-24NF	3	H-2	TSP-1/12H-4	1-12NF	4	H-4	TPS-16.0-1	16.0	1.00
TSP-3/8/24H-3	3/8-24NF	3	H-3	TSP-1/14H-4	1-14NS	4	H-4	TPS-16.0-0.5	16.0	0.50
TSP-7/16/14H-3	7/16-14NC	3	H-3	TSP-1/14H-5	1-14NS	3	H-4	TPS-16.0-2	16.0	2.00
TSP-7/16/14H-5	7/16-14NC	3	H-5	TSP-1/12H-4	1-12NF	3	H-4	TPS-18.0-1.5	18.0	1.50
TSP-7/16/20H-3	7/16-20NF	3	H-3	TSP-1/14H-5	1-14NS	3	H-4	TPS-18.0-2	18.0	2.00
TSP-7/16/20H-5	7/16-20NF	3	H-5					TPS-18.0-2.5	18.0	2.50
								TPS-20.0-1.5	20.0	1.50
								TPS-20.0-1.5	20.0	2.50

Left Hand Plug Taps High Speed Steel-Ground Thread

Use for hand and machine tapping in a wide variety of materials to create left hand thread holes

Size	Threads Per Inch	Model No.		
		Taper	Plug	Bott.
4	40	THLT-4-40	THLP-4-40	THLB-4-40
5	40	THLT-5-40	THLP-5-40	THLB-5-40
6	32	THLT-6-32	THLP-6-32	THLB-6-32
8	32	THLT-8-32	THLP-8-32	THLB-8-32
10	24	THLT-10-24	THLP-10-24	THLB-10-24
10	32	THLT-10-32	THLP-10-32	THLB-10-32
1/4	20	THLT-1/4-20	THLP-1/4-20	THLB-1/4-20
1/4	28	THLT-1/4-28	THLP-1/4-28	THLB-1/4-28
5/16	18	THLT-5/16-18	THLP-5/16-18	THLB-5/16-18
5/16	24	THLT-5/16-24	THLP-5/16-24	THLB-5/16-24
3/8	16	THLT-3/8-16	THLP-3/8-16	THLB-3/8-16
3/8	24	THLT-3/8-24	THLP-3/8-24	THLB-3/8-24
7/16	14	THLT-7/16-14	THLP-7/16-14	THLB-7/16-14
7/16	20	THLT-7/16-20	THLP-7/16-20	THLB-7/16-20
1/2	13	THLT-1/2-13	THLP-1/2-13	THLB-1/2-13
1/2	20	THLT-1/2-20	THLP-1/2-20	THLB-1/2-20
9/16	12	THLT-9/16-12	THLP-9/16-12	THLB-9/16-12
9/16	18	THLT-9/16-18	THLP-9/16-18	THLB-9/16-18
5/8	11	THLT-5/8-11	THLP-5/8-11	THLB-5/8-11
5/8	18	THLT-5/8-18	THLP-5/8-18	THLB-5/8-18
3/4	10	THLT-3/4-10	THLP-3/4-10	THLB-3/4-10
3/4	16	THLT-3/4-16	THLP-3/4-16	THLB-3/4-16
7/8	9	THLT-7/8-9	THLP-7/8-9	THLB-7/8-9
7/8	14	THLT-7/8-14	THLP-7/8-14	THLB-7/8-14
1	8	THLT-1-8	THLP-1-8	THLB-1-8
1	12	THLT-1-12	THLP-1-12	THLB-1-12
1	14	THLT-1-14	THLP-1-14	THLB-1-14
1-1/8	7	THLT-1-1/8-7	THLP-1-1/8-7	THLB-1-1/8-7
1-1/8	8	THLT-1-1/8-8	THLP-1-1/8-8	THLB-1-1/8-8
1-1/8	12	THLT-1-1/8-12	THLP-1-1/8-12	THLB-1-1/8-12
1-1/4	7	THLT-1-1/4-7	THLP-1-1/4-7	THLB-1-1/4-7
1-1/4	8	THLT-1-1/4-8	THLP-1-1/4-8	THLB-1-1/4-8
1-1/4	12	THLT-1-1/4-12	THLP-1-1/4-12	THLB-1-1/4-12
1-3/8	6	THLT-1-3/8-6	THLP-1-3/8-6	THLB-1-3/8-6
1-3/8	8	THLT-1-3/8-8	THLP-1-3/8-8	THLB-1-3/8-8
1-3/8	12	THLT-1-3/8-12	THLP-1-3/8-12	THLB-1-3/8-12
1-1/2	6	THLT-1-1/2-6	THLP-1-1/2-6	THLB-1-1/2-6
1-1/2	8	THLT-1-1/2-8	THLP-1-1/2-8	THLB-1-1/2-8
1-1/2	12	THLT-1-1/2-12	THLP-1-1/2-12	THLB-1-1/2-12
1-3/4	8	THLT-1-3/4-8	THLP-1-3/4-8	THLB-1-3/4-8



Taper Pipe Taps High Speed Steel-Ground Thread

- NPT**
- Generally used for pipe fittings and couplings
 - Designed for threading a wide variety of materials under average conditions
 - Taper is 3/4" per foot
 - NPT threads require the use of a "sealant" to ensure a tight joint
- NPTF-Dry Seal**
- Use where a leak-proof, pressure-tight joint is required without the use of a sealing compound
 - Designed for threading in wide variety of materials
- NPT Interrupted Thread**
- Use for threading pipe fittings and couplings
 - Designed for threading a wide variety of materials where chip disposal is a problem
 - Ideal for use in soft, ductile materials or materials that produce long, continuous chips
 - Enables maximum lubrication at the cutting teeth to enhance chip evacuation



Size	Threads Per Inch	No. of Flutes	Thread Length	Overall Length	Model No.		
					Superior NPT	NPTF	NPT-INT
1/16	27	4	11/16	2-1/8	TNPT-1/16	TNPS-1/16	TINT-1/16
1/8	27	4	3/4	2-1/8	TNPT-1/8	TNPS-1/8	TINT-1/8
1/4	18	4	1-1/16	2-7/16	TNPT-1/4	TNPS-1/4	TINT-1/4
3/8	18	4	1-1/16	2-9/16	TNPT-3/8	TNPS-3/8	TINT-3/8
1/2	14	4	1-3/8	3-1/8	TNPT-1/2	TNPS-1/2	TINT-1/2
3/4	14	5	1-3/8	3-1/4	TNPT-3/4	TNPS-3/4	TINT-3/4
1	11-1/2	5	1-3/4	3-3/4	TNPT-1	TNPS-1	TINT-1
1-1/4	11-1/2	5	1-3/4	4-1/4	TNPT-1-1/4	TNPS-1-1/4	TINT-1-1/4
1-1/2	11-1/2	7	1-3/4	4-1/4	TNPT-1-1/2	TNPS-1-1/2	TINT-1-1/2
2	11-1/2	7	1-3/4	4-1/2	TNPT-2	TNPS-2	TINT-2
2-1/2	8	8	2-9/16	5-1/2	TNPT-2-1/2	TNPS-2-1/2	TINT-2-1/2
3	8	8	2-5/8	6	TNPT-3	TNPS-3	TINT-3
3-1/2	8	8	2-11/16	6-1/2	TNPT-3-1/2	TNPS-3-1/2	TINT-3-1/2
4	8	8	2-3/4	6-3/4	TNPT-4	TNPS-4	TINT-4

Standard Round Adjustable Dies High Speed Steel-Right and Left Hand

- Use for threading bolts, rods and other applications that require external threads
- High speed steel provides excellent tool life
- Will provide all standard classes of fit

Size	Threads Per Inch	Model No.	
		Right Hand	Left Hand
13/16" O.D.			
0	80	D1316-0/80	DL1316-0/80
1	64	D1316-1/64	DL1316-1/64
1	72	D1316-1/72	DL1316-1/72
2	56	D1316-2/56	DL1316-2/56
2	64	D1316-2/64	DL1316-2/64
3	48	D1316-3/48	DL1316-3/48
3	56	D1316-3/56	DL1316-3/56
4	40	D1316-4/40	DL1316-4/40
4	48	D1316-4/48	DL1316-4/48
5	40	D1316-5/40	DL1316-5/40
5	44	D1316-5/44	DL1316-5/44
6	32	D1316-6/32	DL1316-6/32
6	40	D1316-6/40	DL1316-6/40
8	32	D1316-8/32	DL1316-8/32
8	36	D1316-8/36	DL1316-8/36
10	24	D1316-10/24	DL1316-10/24
10	32	D1316-10/32	DL1316-10/32
12	24	D1316-12/24	DL1316-12/24
12	28	D1316-12/28	DL1316-12/28
1/4	20	D1316-14/20	DL1316-14/20
1/4	28	D1316-14/28	DL1316-14/28
5/16	18	D1316-516/18	DL1316-516/18
5/16	24	D1316-516/24	DL1316-516/24
1" O.D.			
4	40	DI-4/40	
4	48	DI-4/48	
5	40	DI-5/40	
5	44	DI-5/44	
6	32	DI-6/32	DLI-6/32
6	40	DI-6/40	
8	32	DI-8/32	DLI-8/32
8	36	DI-8/36	
10	24	DI-10/24	DLI-10/24
10	32	DI-10/32	DLI-10/32
12	24	DI-12/24	
12	28	DI-12/28	
1/4	20	DI-14/20	DLI-14/20
1/4	28	DI-14/28	DLI-14/28
5/16	18	DI-516/18	DLI-516/18
5/16	24	DI-516/24	DLI-516/24
3/8	16	DI-38/16	DLI-38/16
3/8	24	DI-38/24	DLI-38/24
7/16	14	DI-716/14	DLI-716/14
7/16	20	DI-716/20	DLI