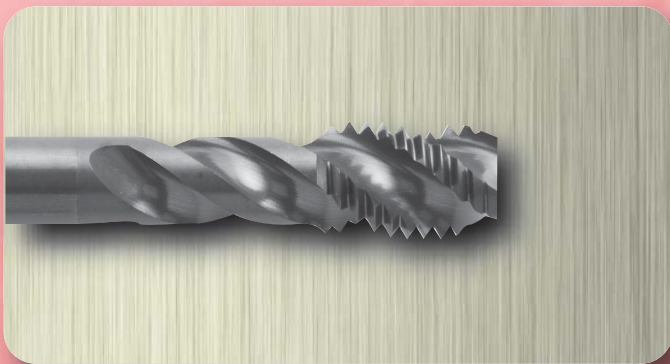


**30%
REDUCED
PRICING**

VTP SERIES PREMIUM VANADIUM HSS GENERAL PURPOSE TAPS



Spiral Fluted Taps
Machine Screw #2 - #10
Fractional 1/4" - 1"
Metric M3 - M18

VTP Series Taps:

- Made from HSSE-V for longer tapping action
- Steam oxide maximizes the cooling effect to make rigorous tapping easy
- Recommended for a wide variety of materials



Spiral Pointed Taps
Machine Screw #2 - #10
Fractional 1/4" - 1"
Metric M3 - M18

VTP SPIRAL FLUTED

List No. 983 Machine Screw Sizes

List No. 981 Fractional Sizes

VANADIUM HIGH SPEED STEEL HSSE-V

Modified Bottoming Style 2-1/2 To 3 Thread Lead
Surface Treated



Nominal Size	Thread/Inch		No. of Flutes	E.D.P. Numbers						Dimensions			List Price
	NC UNC	NF UNF		H2	H3	H4	H5	H6	H7	Overall Length	Length of Thread	Shank Dia.	
2	56		2	88239	—	—	—	—	—	1 3/4	0.433	0.141	63.40
3	48		2	88240	—	—	—	—	—	1 13/16	0.500	0.141	47.06
4	40		2	88241	88242	88243	—	—	—	1 7/8	0.236	0.141	36.21
5	40		3	88253	—	—	—	—	—	1 15/16	0.236	0.141	36.21
6	32		3	—	88263	88264	88265	88266	88267	2	0.276	0.141	29.30
8	32		3	—	88277	88278	88279	88280	88281	2 1/8	0.276	0.168	29.30
10	24		3	—	88291	—	88292	88293	88294	2 3/8	0.354	0.194	29.30
		32	3	—	88299	88300	88301	—	88303	2 3/8	0.354	0.194	29.30

Nominal Size	Thread/Inch		No. of Flutes	E.D.P. Numbers						Dimensions			List Price
	NC UNC	NF UNF		H2	H3	H4	H5	H6	H7	Overall Length	Length of Thread	Shank Dia.	
1/4	20		3	—	88057	—	88060	—	88062	2 1/2	0.433	0.255	31.70
		28	3	—	88071	88072	88073	88074	88075	2 1/2	0.433	0.255	31.70
5/16	18		3	—	88081	—	88083	—	88085	2 23/32	0.472	0.318	37.48
		24	3	—	88095	88096	88097	—	88098	2 23/32	0.472	0.318	37.48
3/8	16		3	—	88103	—	88105	—	88107	2 15/16	0.551	0.381	43.94
		24	3	—	88111	88112	88113	—	88115	2 15/16	0.551	0.381	43.94
7/16	14		3	—	88117	—	88119	—	—	3 5/32	0.591	0.323	64.65
		20	3	—	88123	—	88125	—	—	3 5/32	0.591	0.323	64.65
1/2	13		3	—	88131	—	88133	—	88135	3 3/8	0.630	0.367	78.70
		20	3	—	88139	—	88141	—	—	3 3/8	0.630	0.367	78.70
9/16	12		3	—	88145	—	—	—	—	3 19/32	0.709	0.429	112.13
		18	3	—	88146	—	—	—	—	3 19/32	0.709	0.429	112.13
5/8	11		3	—	88149	—	88151	—	88153	3 13/16	0.748	0.480	134.32
		18	3	—	88157	—	88159	—	—	3 13/16	0.748	0.480	134.32
3/4	10		3	—	88167	—	—	—	88171	4 1/4	0.827	0.590	170.12
		16	3	—	88175	—	88177	—	—	4 1/4	0.827	0.590	170.12
7/8	9		4	—	88180	—	—	—	—	4 11/16	0.906	0.697	226.34
		14	4	—	88185	—	—	—	—	4 11/16	0.906	0.697	226.34
1	8		4	—	88190	—	—	—	—	5 1/8	0.984	0.800	313.61

SFM: Surface Feet per Minutes

VTP Series Cutting Conditions

Work Materials		Tapping Speed SFM
Low Carbon Steel	1010,1018	25-50
Medium Carbon Steel	1035,1045	20-50
High Carbon Steel	1065,1095	15-30
Alloy Steel	4140,4130	15-30
Die Steels	D2,H13	15-35
Hardened Die Steels(20-40HRC)	D2,H13	8-15
Stainless steel (Austenitic)	303,304,316	15-45
Stainless steel (Martensitic)	410,430	12-20
Stainless steel (PH) up to 35HRC	17-4PH	12-20
Titanium Alloy Up to 32HRC	6AL4V	15-20
Magnesium Alloy		40-80
Ductile cast Irons	80-55-06	20-50
Cast Irons	Nodular,Grey	30-65
Copper		30-60
Brass, Brass casting		60-100
Bronze, Brass casting		40-60

1. These are general tapping conditions, may be altered by your condition.
2. These conditions are for tapping depth 15D. In case of deeper thread you may multiply these values by the coefficient of next table

Thread depth	Coefficient
Up to 1.5D	1
1.5D ~ 2.5D	0.9
2.5D ~ 3D	0.8
Over 3D	0.7

VTP SPIRAL POINTED

List No. 973 Machine Screw Sizes



Plug Style 4 to 5 Threads
Surface Treated

List No. 971 Fractional Sizes



Plug Style 4 to 5 Threads
Surface Treated

VANADIUM HIGH SPEED STEEL HSSE-V



Nominal Size	Thread/Inch		No. of Flutes	E.D.P. Numbers						Dimensions			List Price
	NC UNC	NF UNF		H2	H3	H4	H5	H6	H7	Overall Length	Length of Thread	Shank Dia.	
2	56		2	87216	87218	—	—	—	—	1 3/4	0.437	0.141	35.78
3	48		2	87220	—	—	—	—	—	1 13/16	0.500	0.141	35.78
4	40		2	87240	87242	87243	87244	—	—	1 7/8	0.354	0.141	23.95
5	40		2	87252	—	—	—	—	—	1 15/16	0.394	0.141	23.95
6	32		2	87258	87260	87261	87264	87265	87266	2	0.433	0.141	20.43
8	32		3	87272	87274	87275	87278	87279	87280	2 1/8	0.472	0.168	20.43
10	24		3	—	87288	—	87290	—	—	2 3/8	0.551	0.194	20.43
		32	3	87294	87296	87297	87300	87301	87302	2 3/8	0.551	0.194	20.43

Nominal Size	Thread/Inch		No. of Flutes	E.D.P. Numbers						Dimensions			List Price
	NC UNC	NF UNF		H2	H3	H4	H5	H6	H7	Overall Length	Length of Thread	Shank Dia.	
1/4	20		3	87052	87056	—	87060	—	87062	2 1/2	0.591	0.255	21.41
		28	3	87066	87068	87070	87071	87072	87073	2 1/2	0.591	0.255	21.41
5/16	18		3	—	87080	—	87084	—	87086	2 23/32	0.669	0.318	25.92
		24	3	—	87094	87096	87097	87098	87099	2 23/32	0.669	0.318	25.92
3/8	16		3	—	87102	—	87104	—	87106	2 15/16	0.748	0.381	29.59
		24	3	—	87110	87112	87113	87114	87115	2 15/16	0.748	0.381	29.59
7/16	14		3	—	87116	—	87120	—	—	3 5/32	0.866	0.323	40.53
		20	3	—	87122	—	87126	87127	87129	3 5/32	0.866	0.323	40.53
1/2	13		3	—	87130	—	87134	—	87136	3 3/8	0.984	0.367	46.60
		20	3	—	87138	—	87140	87141	87142	3 3/8	0.984	0.367	46.60
9/16	12		3	—	87143	—	—	—	—	3 19/32	0.984	0.429	74.11
		18	3	—	87144	—	—	—	—	3 19/32	0.984	0.429	74.11
5/8	11		3	—	87148	—	87152	—	87154	3 13/16	1.102	0.480	85.21
		18	3	—	87158	—	87159	—	—	3 13/16	1.102	0.480	85.21
3/4	10		3	—	87164	—	—	—	87167	4 1/4	1.181	0.590	125.89
		16	3	—	87168	—	87169	—	—	4 1/4	1.181	0.590	125.89
7/8	9		3	—	87170	—	—	—	—	4 11/16	1.299	0.697	168.64
		14	3	—	87171	—	—	—	—	4 11/16	1.299	0.697	168.64
1	8		3	—	87172	—	—	—	—	5 1/8	1.378	0.800	238.17

SFM: Surface Feet per Minutes

VTP Series Cutting Conditions

Work Materials		Tapping Speed SFM
Low Carbon Steel	1010,1018	25-50
Medium Carbon Steel	1035,1045	20-50
High Carbon Steel	1065,1095	15-30
Alloy Steel	4140,4130	15-30
Die Steels	D2,H13	15-35
Hardened Die Steels(20-40HRC)	D2,H13	8-15
Stainless steel (Austenitic)	303,304,316	15-45
Stainless steel (Martensitic)	410,430	12-20
Stainless steel (PH) up to 35HRC	17-4PH	12-20
Titanium Alloy Up to 32HRC	6AL4V	15-20
Magnesium Alloy		40-80
Ductile cast Irons	80-55-06	20-50
Cast Irons	Nodular,Grey	30-65
Copper		30-60
Brass, Brass casting		60-100
Bronze, Brass casting		40-60

1. These are general tapping conditions, may be altered by your condition.
2. These conditions are for tapping depth 15D. In case of deeper thread you may multiply these values by the coefficient of next table

Thread depth	Coefficient
Up to 1.5D	1
1.5D ~ 2.5D	0.9
2.5D ~ 3D	0.8
Over 3D	0.7

VTP METRIC TAPS SPIRAL FLUTED
VTP METRIC TAPS SPIRAL POINTED

List No. 980

Modified Bottoming Style 2-1/2 To 3 Thread Lead

VANADIUM HIGH SPEED STEEL HSSE-V



Surface Treated - Spiral Fluted



Nominal Size (mm)	Pitch (mm)	No. Of Flutes	E.D.P. Number					Dimensions			List Price
			D3	D4	D5	D6	D7	Overall Length	Length of Thread	Shank Dia.	
3	0.5	3	54615	—	—	—	—	1 15/16	0.236	0.141	37.70
3.5	0.6	3	—	54616	—	—	—	2	0.276	0.141	34.75
4	0.7	3	—	54617	—	—	—	2 1/8	0.276	0.168	34.75
5	0.8	3	—	54619	—	—	—	2 3/8	0.354	0.194	34.75
6	1	3	—	—	54620	—	—	2 1/2	0.433	0.255	35.02
7	1	3	—	—	54621	—	—	2 23/32	0.472	0.318	39.05
8	1	3	—	—	54622	—	—	2 23/32	0.472	0.318	39.05
8	1.25	3	—	—	54623	—	—	2 23/32	0.472	0.318	39.05
10	1.25	3	—	—	54624	—	—	2 15/16	0.551	0.381	61.69
10	1.5	3	—	—	—	54625	—	2 15/16	0.551	0.381	61.69
12	1.25	3	—	—	54626	—	—	3 3/8	0.630	0.367	69.46
12	1.75	3	—	—	—	54627	—	3 3/8	0.630	0.367	69.46
14	1.5	3	—	—	—	54628	—	3 19/32	0.551	0.429	113.55
14	2	3	—	—	—	—	54629	3 19/32	0.709	0.429	113.55
16	1.5	3	—	—	—	54630	—	3 13/16	0.551	0.480	133.56
16	2	3	—	—	—	—	54631	3 13/16	0.709	0.480	133.56
18	1.5	3	—	—	—	54632	—	4 1/32	0.551	0.542	193.02
18	2.5	3	—	—	—	—	54633	4 1/32	0.874	0.542	193.02

List No. 982

Plug Style, 4 To 5 Thread Lead

VANADIUM HIGH SPEED STEEL HSSE-V



Surface Treated - Spiral Pointed



Nominal Size (mm)	Pitch (mm)	No. Of Flutes	E.D.P. Number					Dimensions			List Price
			D3	D4	D5	D6	D7	Overall Length	Length of Thread	Shank Dia.	
3	0.5	3	52615	—	—	—	—	1 15/16	0.394	0.141	26.30
3.5	0.6	3	—	52616	—	—	—	2	0.433	0.141	23.21
4	0.7	3	—	52617	—	—	—	2 1/8	0.472	0.168	23.21
5	0.8	3	—	52619	—	—	—	2 3/8	0.551	0.194	23.21
6	1	3	—	—	52620	—	—	2 1/2	0.591	0.255	24.55
7	1	3	—	—	52621	—	—	2 23/32	0.669	0.318	26.97
8	1	3	—	—	52622	—	—	2 23/32	0.669	0.318	26.97
8	1.25	3	—	—	52623	—	—	2 23/32	0.669	0.318	26.97
10	1.25	3	—	—	52624	—	—	2 15/16	0.748	0.381	41.00
10	1.5	3	—	—	—	52625	—	2 15/16	0.748	0.381	41.00
12	1.25	3	—	—	52626	—	—	3 3/8	0.984	0.367	47.20
12	1.75	3	—	—	—	52627	—	3 3/8	0.984	0.367	47.20
14	1.5	3	—	—	—	52628	—	3 19/32	0.984	0.429	76.08
14	2	3	—	—	—	—	52629	3 19/32	0.984	0.429	76.08
16	1.5	3	—	—	—	52630	—	3 13/16	1.102	0.480	92.42
16	2	3	—	—	—	—	52631	3 13/16	1.102	0.480	92.42
18	1.5	3	—	—	—	52632	—	4 1/32	1.102	0.542	129.48
18	2.5	3	—	—	—	—	52633	4 1/32	1.102	0.542	129.48

SPIRAL FLUTED

Cross Reference Chart

List No. 983
Machine Screw Sizes

List No. 981
Fractional Sizes



NACHI

TAP SIZE	Thread Limit	Flutes	Chamfer	VTP	OSG	GUHRING	YMW	YG1
2 - 56	H2	2F	MB	88239	2905601	9044072021840	384623	
3 - 48	H2	2F	MB	88240	2906001	9044072025150	384600	
4 - 40	H2	2F	MB	88241	2906401	9044072028450	384601	T2162S
	H3			88242	2911401	9044073028450	384602	
	H4			88243	2916501		384629	
5 - 40	H2	3F	MB	88253	2907001	9044072031750	384603	T2202S
6 - 32	H3	3F	MB	88263	2912401	9044073035050	384605	T2243S
	H4			88264			384636	
	H5			88265	2917401	9044075035050	384635	
	H6			88266			384659	
	H7			88267	2917501		384665	
8 - 32	H3	3F	MB	88277	2912801	9044073041660	384606	T2283S
	H4			88278			384638	
	H5			88279	2917801	9044075041660	384637	
	H6			88280			384660	
	H7			88281	2918001		384667	
10 - 24	H3	3F	MB	88291	2913401	9044073048260	384609	T2323S
	H5			88292	2918401	9044075048260	384639	
	H6			88293			384690	
	H7			88294			384669	
10 - 32	H3	3F	MB	88299	2913801	9044093048260	384610	T2343S
	H4			88300			384630	
	H5			88301	2918801	9044095048260	384640	
	H7			88303	2919001		384670	
1/4 - 20	H3	3F	MB	88057	2930001	9044073063500	384613	T2403S
	H5			88060	2940001	9044075063500	384643	T2405S
	H7			88062	2940201		384673	
1/4 - 28	H3	3F	MB	88071	2930401	9044093063500	384614	T2423S
	H4			88072	2935401	9044094063500	384631	T2424S
	H5			88073	2940401	9044095063500	384644	
	H6			88074			384664	
	H7			88075	2940601		384674	
5/16 - 18	H3	3F	MB	88081	2930801	9044073079380	384615	T2443S
	H5			88083	2940801	9044075079380	384645	T2445S
	H7			88085	2941001		384675	
5/16 - 24	H3	3F	MB	88095	2931201	9044093079380	384616	T2463S
	H4			88096	2936201		384632	
	H5			88097	2941201	9044095079380	384646	T2465S
	H7			88098	2941401		384676	
3/8 - 16	H3	3F	MB	88103	2931601	9044073095250	384617	T2483S
	H5			88105	2041601	9044075095250	384647	T2485S
	H7			88107	2942101		384677	
3/8 - 24	H3	3F	MB	88111	2931801	9044093095250	384618	T2503S
	H4			88112	2936801		384633	T2504S
	H5			88113	2941801	9044095095250	384648	
	H7			88115	2941701		384678	
7/16 - 14	H3	3F	MB	88117	2932001	9044073111130	384619	T2523S
7/16 - 20	H5	3F	MB	88119	2942001	9044075111130	384649	T2525S
	H3			88123	2932201	9044093111130	384620	T2543S
1/2 - 13	H5	3F	MB	88125	2942201	9044095111130	384650	T2545S
	H3			88131	2932401	9044073127000	364821	
	H7			88133	2942401	9044075127000	384651	T2565S
1/2 - 20	H5	3F	MB	88135	2942501		374681	
	H3			88139	2932601	9044093127000	384622	
9/16 - 12	H5	3F	MB	88141	2942601	9044095127000	384652	T2685S
9/16 - 18	H3	3F	MB	88145	2948601	9044073142880	384653	
5/8 - 11	H3	3F	MB	88146	2948801	9044093142880	384654	
	H5			88149	2933201	9044073158750	384625	
	H7			88151	2943201	9044075158750	384655	T2645S
5/8 - 18	H3	3F	MB	88153				
	H5			88157	2933401	9044093158750	384626	
3/4 - 10	H5	3F	MB	88159		9044095158750	384656	T2665S
	H3			88167	2933601	9044073190500	384627	
3/4 - 16	H7	3F	MB	88171	2943601			
	H3			88175	2933801	9044093190500	384628	
7/8 - 9	H5	3F	MB	88177	2943801	9044095190500	384658	T2725S
7/8 - 14	H3	4F	MB	88180				
7/8 - 14	H3	4F	MB	88185				
1" - 8	H3	4F	MB	88190				

SPIRAL POINTED Cross Reference Chart

List No. 973
Machine Screw Sizes

List No. 971
Fractional Sizes



NACHI

OSG

GUHRING

YMW

YG1

TAP SIZE	Thread Limit	Flutes	Chamfer	VTP	HYPRO	POWERTAP	ZELEX SS	COMBO
2 - 56	H2	2F	P	87216	2805601	9044022021840	382623	
	H3			87218			382624	
3 - 48	H2	2F	P	87220	2806001	9044022025150	382600	
	H2			87240	2806401	9044022028450	382601	T4162S
4 - 40	H3	2F	P	87242	2811401	9044023028450	382602	
	H4			87243	2816301		382612	
	H5			87244	2816401	9044025028450	382634	
	H2			87252	2807001	9044022031750	382603	T4202S
5 - 40	H2	2F	P	87258	2807401		382604	
	H3			87260	2812401	9044023035050	382605	T4243S
	H4			87261	2812501		382608	
	H5			87264	2817401	9044025035050	382635	
	H6			87265	2817501		382659	
	H7			87266	2817601		382665	
6 - 32	H2	2F	P	87272	2807801		382606	
	H3			87274	2812801	9044023041660	382607	T4283S
	H4			87275	2812901		382629	
	H5			87278	2817801	9044025041660	382637	
	H6			87279	2817901		382660	
	H7			87280	2818001		382667	
	H3			87280	2818001	9044023048260	382609	T4323S
10 - 24	H5	3F	P	87280	2818401	9044025048260	382639	
	H2			87294	2808801		382611	
	H3			87296	2813801	9044053048260	382610	T4343S
10 - 32	H4	3F	P	87297	2813901		382630	
	H5			87300	2818801	9044055048260	382640	
	H6			87301	2818901	9044056048260	382661	
	H7			87302	2819001		382670	
	H2			87052	2809401			
	H3			87056	2830001	9044023063500	382613	T4403S
1/4 - 20	H5	3F	P	87060	2840001	9044025063500	382643	T4405S
	H7			87062	2954801		382673	
	H2			87066	2809601			
	H3			87068	2830401	9044053063500	382614	T4423S
1/4 - 28	H4	3F	P	87070	2835401		382631	T4424S
	H5			87071	2840401	9044055063500	382644	
	H6			87072	2840501		382662	
	H7			87073	2840601		382674	
	H3			87080	2830801	9044023079380	382615	T4443S
	H5			87084	2840801	9044025079380	382645	T4445S
5/16 - 18	H7	3F	P	87086	2855601		382675	
	H3			87094	2831201	9044053079380	382616	T4463S
	H4			87096	2836201		382632	
	H5			87097	2841201	9044055079380	382646	T4465S
5/16 - 24	H6	3F	P	87098	2841301		382663	
	H7			87099	2841401		382676	
	H3			87102	2831601	9044023095250	382617	T4483S
	H5			87104	2841601	9044025095250	382647	T4485S
	H7			87106	2856401		382668	
3/8 - 16	H3	3F	P	87100	2831801	9044053095250	382618	T4503S
	H4			87112	2836801		382633	T4504S
	H5			87113	2841801	9044055095250	382648	
	H6			87114	2841901		382664	
	H7			87115	2841701		382678	
7/16 - 14	H3	3F	P	87116	2832001	9044023111130	382619	T4523S
	H5			87120	2842001	9044025111130	382649	T4525S
	H3			87122	2832201	9044053111130	382620	T4543S
7/16 - 20	H5	3F	P	87126	2842201	9044055111130	382650	T4545S
	H6			87127			382691	
	H7			87129	2842501		382680	
	H3			87130	2832401	9044023127000	382621	
1/2 - 13	H5	3F	P	87134	2842401	9044025127000	382651	T4565S
	H7			87136	2842801		382681	
	H3			87138	2832601	9044053127000	382622	
1/2 - 20	H5	3F	P	87140	2842601	9044055127000	382652	T4585S
	H6			87141			382692	
	H7			87142	2842701		382682	
	H3			87143	2857601	9044013142880	382653	
	H3			87144	2857801	9044053142880	382654	
9/16 - 12	H3	3F	P	87148	2833201	9044023158750	382625	
	H5			87152	2843201	9044025158750	382655	T4645S
	H7			87154				
	H3			87158	2833401	9044053158750	382626	
5/8 - 18	H5	3F	P	87159	2843401	9044055158750	382636	T4665S
	H3			87164	2833601	9044023190500	382627	
3/4 - 10	H7	3F	P	87167				
	H3			87168	2833801	9044053190500	382628	
3/4 - 16	H5	3F	P	87169		9044055190500	382658	T4725S
	H3			87170				
7/8 - 9	H3	3F	P	87170				
7/8 - 14	H3	4F	P	87171				
1" - 8	H3	4F	P	87172				

SPIRAL FLUTED

Cross Reference Chart - Metric

List No. 980
Machine Screw Sizes



NACHI

TAP SIZE	Thread Limit	Flutes	Chamfer	VTP	OSG	OSG	GUHRING	YMW	YG1
M3 x 0.5	D3	3F	MB	54615	2990401	HYPRO	POWER TAP	ZELEX SS	COMBO
M3.5 x 0.6	D4	3F	MB	54616	2990501				
M4 x 0.7	D4	3F	MB	54617	2990601				
M5 x 0.8	D4	3F	MB	54619	2990801				
M6 x 1	D5	3F	MB	54620	2991001				
M7 x 1	D5	3F	MB	54621	2991101				
M8 x 1	D5	3F	MB	54622	2991301				
M8 x 1.25	D5	3F	MB	54623	2991401				
M10 x 1.25	D5	3F	MB	54624	2991701				
M10 x 1.5	D6	3F	MB	54625	2991801				
M12 x 1.25	D5	3F	MB	54626	2992101				
M12 x 1.75	D6	3F	MB	54627	2992301				
M14 x 1.5	D6	3F	MB	54628	2992501				
M14 x 2	D7	3F	MB	54629	2992601				
M16 x 1.5	D6	3F	MB	54630	2992801				
M16 x 2	D7	3F	MB	54631	2992901				
M18 x 1.5	D6	3F	MB	54632	2993001				
M18 x 2.5	D7	3F	MB	54633	2993201				

SPIRAL POINTED

Cross Reference Chart - Metric

List No. 982
Machine Screw Sizes



NACHI

TAP SIZE	Thread Limit	Flutes	Chamfer	VTP	OSG	OSG	GUHRING	YMW	YG1
M3 x 0.5	D3	3F	P	52615	2890401	HYPRO	POWER TAP	ZELEX SS	COMBO
M3.5 x 0.6	D4	3F	P	52616	2890501				
M4 x 0.7	D4	3F	P	52617	2890601				
M5 x 0.8	D4	3F	P	52619	2890801				
M6 x 1	D5	3F	P	52620	2891001				
M7 x 1	D5	3F	P	52621	2891101				
M8 x 1	D5	3F	P	52622	2891301				
M8 x 1.25	D5	3F	P	52623	2891401				
M10 x 1.25	D5	3F	P	52624	2891701				
M10 x 1.5	D6	3F	P	52625	2891801				
M12 x 1.25	D5	3F	P	52626	2892101				
M12 x 1.75	D6	3F	P	51627	2892301				
M14 x 1.5	D6	3F	P	52628	2892501				
M14 x 2	D7	3F	P	52629	2892601				
M16 x 1.5	D6	3F	P	52630	2892801				
M16 x 2	D7	3F	P	52631	2892901				
M18 x 1.5	D6	3F	P	52632	2893001				
M18 x 2.5	D7	3F	P	52633	2893201				

NACHI

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