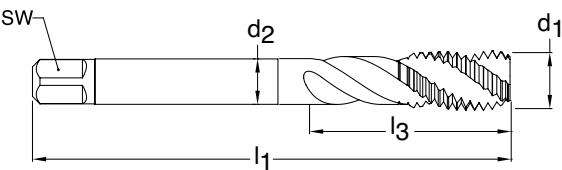


GUHRING

Threading Tools for the Oil and Gas Industry



HSS-E 8-Pitch Taps



Series

Standard

Tool Material

Spiral Flute

Chamfer Form C • 2-3

Class of Fit

4289

DIN/ANSI

HSS-E

40° Helix

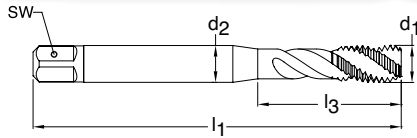
2B

- Blind holes
- TiN coated
- External cooling

d1 - P	H Limits	Tap Drill Range inch	Number of Flutes	d2 inch	SW inch	l1 inch	l3 inch	Order Code	EDP Number
1- 8	H6	0.865 - 0.890	4	0.800	0.600	6.299	N/A	25.400	9042890254000
1 1/8- 8	H7	0.990 - 1.015	4	0.896	0.672	7.087	N/A	28.575	9042890285750
1 1/4- 8	H7	1.115 - 1.140	4	1.021	0.766	7.087	N/A	31.750	9042890317500
1 3/8- 8	H7	1.240 - 1.265	4	1.108	0.831	7.874	N/A	34.925	9042890349250
1 1/2- 8	H7	1.365 - 1.390	6	1.233	0.925	7.874	N/A	38.100	9042890381000
1 5/8- 8	H7	1.490 - 1.515	6	1.305	0.979	7.874	N/A	41.275	9042890412750
1 3/4- 8	H7	1.615 - 1.640	6	1.430	1.072	7.874	N/A	44.450	9042890444500
2- 8	H7	1.865 - 1.890	6	1.644	1.233	8.858	N/A	50.800	9042890508000
2 1/4- 8	H8	2.115 - 2.140	6	1.894	1.420	9.843	N/A	57.150	9042890571500

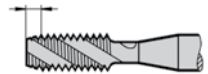


UNC HSS-E Taps for Alloyed & Stainless



NEW
Spring 2017

Series 4392
Standard DIN/ANSI
Tool Material HSS-E
Spiral Flute 40° Helix
Chamfer Form C • 2-3
Class of Fit 2BX



Blind holes



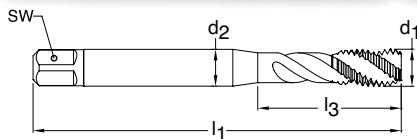
TiN coated



External cooling

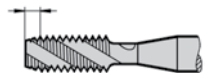
d1 - P	H Limits	Tap Drill Range inch	Number of Flutes	d2 inch	SW inch	l1 inch	l3 inch	Order Code	EDP Number
2-56	H3/H4	0.067 - 0.074	3	0.141	0.110	1.969	0.441	2.184	9043920021840
4-40	H3/H4	0.085 - 0.094	3	0.141	0.110	2.205	0.709	2.845	9043920028450
5-40	H3/H4	0.098 - 0.106	3	0.141	0.110	2.205	0.709	3.175	9043920031750
6-32	H4/H5	0.104 - 0.114	3	0.141	0.110	2.205	0.709	3.505	9043920035050
8-32	H4/H5	0.130 - 0.139	3	0.168	0.131	2.480	0.827	4.166	9043920041660
10-24	H4/H5	0.145 - 0.155	3	0.194	0.152	2.756	0.945	4.826	9043920048260
12-24	H4/H5	0.171 - 0.181	3	0.220	0.165	3.150	1.024	5.486	9043920054860
1/4-20	H5/H6	0.196 - 0.207	3	0.255	0.191	3.150	1.181	6.350	9043920063500
5/16-18	H5/H6	0.252 - 0.265	3	0.318	0.238	3.543	1.377	7.938	9043920079380
3/8-16	H6/H7	0.307 - 0.321	3	0.381	0.286	3.937	1.456	9.525	9043920095250
7/16-14	H6/H7	0.360 - 0.376	3	0.323	0.242	3.937	N/A	11.113	9043920111130
1/2-13	H6/H7	0.417 - 0.434	3	0.367	0.275	4.331	N/A	12.700	9043920127000
9/16-12	H6/H7	0.472 - 0.490	3	0.429	0.322	4.331	N/A	14.288	9043920142880
5/8-11	H6/H7	0.527 - 0.546	4	0.480	0.360	4.331	N/A	15.875	9043920158750
3/4-10	H6/H7	0.642 - 0.663	4	0.590	0.442	4.921	N/A	19.050	9043920190500
7/8-9	H7/H8	0.755 - 0.778	4	0.697	0.523	5.512	N/A	22.225	9043920222250

UNF HSS-E Taps for Alloyed & Stainless



NEW
Spring 2017

Series 4393
Standard DIN/ANSI
Tool Material HSS-E
Spiral Flute 40° Helix
Chamfer Form C • 2-3
Class of Fit 2BX



Blind holes



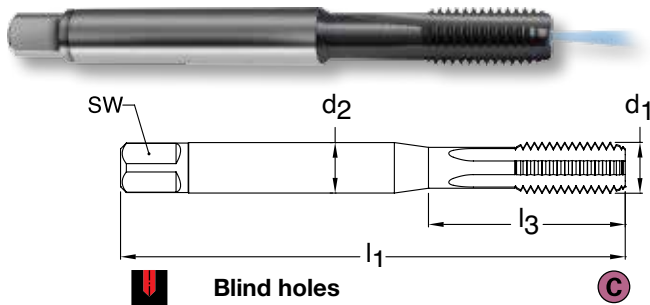
TiN coated



External cooling

d1 - P	H Limits	Tap Drill Range inch	Number of Flutes	d2 inch	SW inch	l1 inch	l3 inch	Order Code	EDP Number
2-64	H3/H4	0.069 - 0.075	3	0.141	0.110	1.969	0.441	2.184	9043930021840
4-48	H3/H4	0.089 - 0.097	3	0.141	0.110	2.205	0.709	2.845	9043930028450
5-44	H3/H4	0.100 - 0.108	3	0.141	0.110	2.205	0.709	3.175	9043930031750
6-40	H3/H4	0.111 - 0.119	3	0.141	0.110	2.205	0.709	3.505	9043930035050
8-36	H3/H4	0.134 - 0.142	3	0.168	0.131	2.480	0.827	4.166	9043930041660
10-32	H4/H5	0.156 - 0.164	3	0.194	0.152	2.756	0.945	4.826	9043930048260
12-28	H4/H5	0.177 - 0.186	3	0.220	0.165	3.150	1.024	5.486	9043930054860
1/4-28	H4/H5	0.211 - 0.220	3	0.255	0.191	3.150	1.181	6.350	9043930063500
5/16-24	H4/H5	0.267 - 0.277	3	0.318	0.238	3.543	1.377	7.938	9043930079380
3/8-24	H4/H5	0.330 - 0.340	3	0.381	0.286	3.543	1.456	9.525	9043930095250
7/16-20	H5/H6	0.383 - 0.395	3	0.323	0.242	3.937	N/A	11.113	9043930111130
1/2-20	H5/H6	0.446 - 0.457	3	0.367	0.275	3.937	N/A	12.700	9043930127000
9/16-18	H5/H6	0.502 - 0.515	3	0.429	0.322	3.937	N/A	14.288	9043930142880
5/8-18	H5/H6	0.565 - 0.578	4	0.480	0.360	3.937	N/A	15.875	9043930158750
3/4-16	H6/H7	0.682 - 0.696	4	0.590	0.442	4.331	N/A	19.050	9043930190500
7/8-14	H7/H8	0.798 - 0.813	4	0.697	0.523	4.921	N/A	22.225	9043930222250
1-12	H7/H8	0.910 - 0.928	4	0.800	0.600	5.512	N/A	25.400	9043930254000

UNC Straight flute PM taps



NEW
Spring 2017

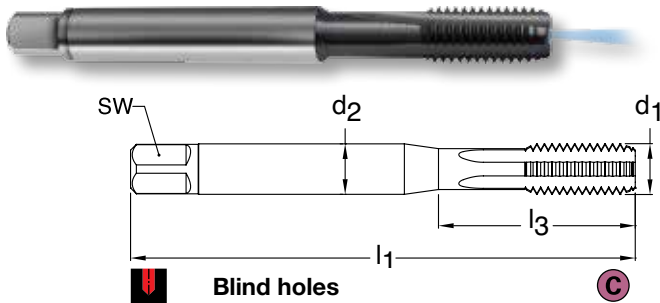
Series 4394
Standard DIN/ANSI
Tool Material HSS-E-PM
Flute Straight Flute
Chamfer Form C • 2-3
Class of Fit 2BX



Axial coolant

d1 - P	H Limits	Tap Drill Range in	Number of Flutes	d2 in	SW in	l1 in	l3 in	Order Code	EDP Number
10-24	H4/H5	0.145 - 0.155	3	0.194	0.152	2.756	0.945	4.826	9043940048260
1/4-20	H5/H6	0.196 - 0.207	3	0.255	0.191	3.150	1.181	6.350	9043940063500
5/16-18	H5/H6	0.252 - 0.265	3	0.318	0.238	3.543	1.377	7.938	9043940079380
3/8-16	H6/H7	0.307 - 0.321	3	0.381	0.286	3.937	1.456	9.525	9043940095250
1/2-13	H6/H7	0.417 - 0.434	3	0.367	0.275	4.331	N/A	12.700	9043940127000
5/8-11	H6/H7	0.527 - 0.546	4	0.480	0.360	4.331	N/A	15.875	9043940158750
3/4-10	H6/H7	0.642 - 0.663	4	0.590	0.442	4.921	N/A	19.050	9043940190500
7/8-9	H7/H8	0.755 - 0.778	5	0.697	0.523	5.512	N/A	22.225	9043940222250
1-8	H7/H8	0.865 - 0.890	5	0.800	0.600	6.299	N/A	25.400	9043940254000

UNF Straight flute PM taps



NEW
Spring 2017

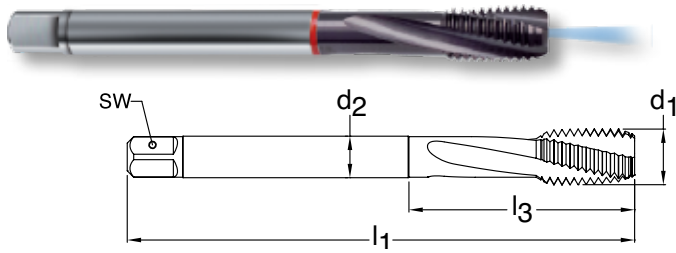
Series 4391
Standard DIN/ANSI
Tool Material HSS-E-PM
Flute Straight Flute
Chamfer Form C • 2-3
Class of Fit 2BX



Axial coolant

d1 - P	H Limits	Tap Drill Range in	Number of Flutes	d2 in	SW in	l1 in	l3 in	Order Code	EDP Number
10-32	H4/H5	0.156 - 0.164	3	0.194	0.152	2.756	0.945	4.826	9043910048260
1/4-28	H4/H5	0.211 - 0.220	3	0.255	0.191	3.150	1.181	6.350	9043910063500
5/16-24	H4/H5	0.267 - 0.277	3	0.318	0.238	3.543	1.377	7.938	9043910079380
3/8-24	H4/H5	0.330 - 0.340	3	0.381	0.286	3.543	1.456	9.525	9043910095250
1/2-20	H5/H6	0.446 - 0.457	3	0.367	0.275	3.937	N/A	12.700	9043910127000
5/8-18	H5/H6	0.565 - 0.578	4	0.480	0.360	3.937	N/A	15.875	9043910158750
3/4-16	H6/H7	0.682 - 0.696	4	0.590	0.442	4.331	N/A	19.050	9043910190500
7/8-14	H7/H8	0.798 - 0.813	5	0.697	0.523	4.921	N/A	22.225	9043910222250
1-12	H7/H8	0.910 - 0.928	5	0.800	0.600	5.512	N/A	25.400	9043910254000

UNC Slow helix PM taps



NEW
Spring 2017

Series 4388
Standard DIN/ANSI
Tool Material HSS-E PM
Spiral Flute 15° Helix
Chamfer Form C • 2-3
Class of Fit 2BX



Blind holes



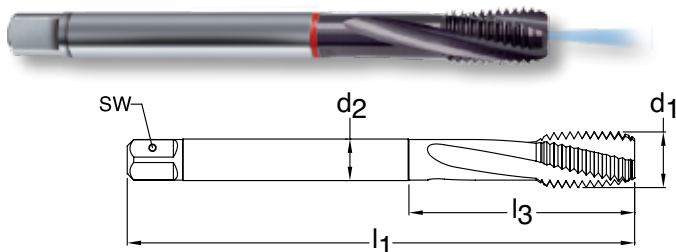
TiCN coated



Axial cooling

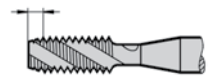
d1 - P	H Limits	Tap Drill Range in	Number of Flutes	d2 in	SW in	l1 in	l3 in	Order Code	EDP Number
10-24	H4/H5	0.145 - 0.155	3	0.194	0.152	2.756	0.945	4.826	9043880048260
1/4-20	H5/H6	0.196 - 0.207	3	0.255	0.191	3.150	1.181	6.350	9043880063500
5/16-18	H5/H6	0.252 - 0.265	3	0.318	0.238	3.543	1.377	7.938	9043880079380
3/8-16	H6/H7	0.307 - 0.321	3	0.381	0.286	3.937	1.456	9.525	9043880095250
7/16-14	H6/H7	0.360 - 0.376	4	0.323	0.242	3.937	N/A	11.113	9043880111130
1/2-13	H6/H7	0.417 - 0.434	4	0.367	0.275	4.331	N/A	12.700	9043880127000
5/8-11	H6/H7	0.527 - 0.546	4	0.480	0.360	4.331	N/A	15.875	9043880158750
3/4-10	H6/H7	0.642 - 0.663	4	0.590	0.442	4.921	N/A	19.050	9043880190500
7/8-9	H7/H8	0.755 - 0.778	4	0.697	0.523	5.512	N/A	22.225	9043880222250
1-8	H7/H8	0.865 - 0.890	4	0.800	0.600	6.299	N/A	25.400	9043880254000

UNF Slow helix PM taps



NEW
Spring 2017

Series 4389
Standard DIN/ANSI
Tool Material HSS-E PM
Spiral Flute 15° Helix
Chamfer Form C • 2-3
Class of Fit 2BX



Blind holes



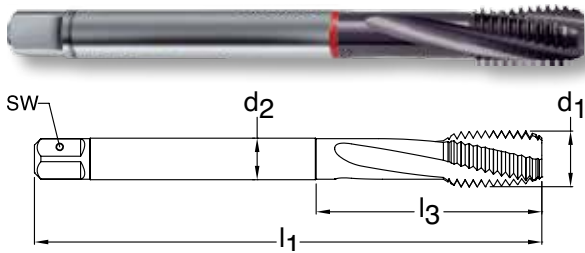
TiCN coated



Axial cooling

d1 - P	H Limits	Tap Drill Range in	Number of Flutes	d2 in	SW in	l1 in	l3 in	Order Code	EDP Number
10-32	H4/H5	0.156 - 0.164	3	0.194	0.152	2.756	0.945	4.826	9043890048260
1/4-28	H4/H5	0.211 - 0.220	3	0.255	0.191	3.150	1.181	6.350	9043890063500
5/16-24	H4/H5	0.267 - 0.277	3	0.318	0.238	3.543	1.377	7.938	9043890079380
3/8-24	H4/H5	0.330 - 0.340	4	0.381	0.286	3.543	1.456	9.525	9043890095250
7/16-20	H5/H6	0.383 - 0.395	4	0.323	0.242	3.937	N/A	11.113	9043890111130
1/2-20	H5/H6	0.446 - 0.457	4	0.367	0.275	3.937	N/A	12.700	9043890127000
5/8-18	H5/H6	0.565 - 0.578	5	0.480	0.360	3.937	N/A	15.875	9043890158750
3/4-16	H6/H7	0.682 - 0.696	5	0.590	0.442	4.331	N/A	19.050	9043890190500
7/8-14	H7/H8	0.798 - 0.813	6	0.697	0.523	4.921	N/A	22.225	9043890222250
1-12	H7/H8	0.910 - 0.928	6	0.800	0.600	5.512	N/A	25.400	9043890254000

UNC Slow helix PM taps



NEW
Spring 2017

Series 4373
Standard DIN/ANSI
Tool Material HSS-E PM
Spiral Flute 15° Helix

Chamfer Form E • 1.5 - 2

Class of Fit 2BX



Blind holes



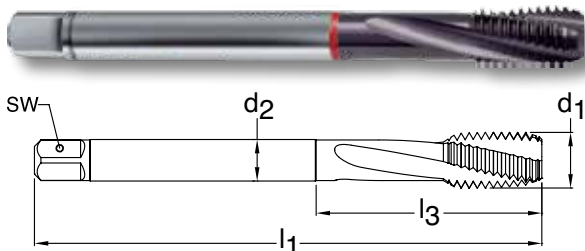
TiCN coated



External cooling

d1 - P	H Limits	Tap Drill Range in	Number of Flutes	d2 in	SW in	l1 in	l3 in	Order Code	EDP Number
2-56	H3/H4	0.067 - 0.074	3	0.141	0.110	1.969	0.441	2.184	9043730021840
4-40	H3/H4	0.085 - 0.094	3	0.141	0.110	2.205	0.709	2.845	9043730028450
5-40	H3/H4	0.098 - 0.106	3	0.141	0.110	2.205	0.709	3.175	9043730031750
6-32	H4/H5	0.104 - 0.114	3	0.141	0.110	2.205	0.709	3.505	9043730035050
8-32	H4/H5	0.130 - 0.139	3	0.168	0.131	2.480	0.827	4.166	9043730041660

UNF Slow helix PM taps

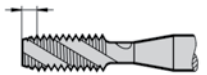


NEW
Spring 2017

Series 4374
Standard DIN/ANSI
Tool Material HSS-E PM
Spiral Flute 15° Helix

Chamfer Form E • 1.5 - 2

Class of Fit 2BX



Blind holes



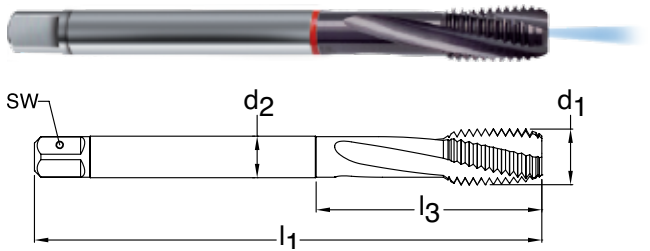
TiCN coated



External cooling

d1 - P	H Limits	Tap Drill Range in	Number of Flutes	d2 in	SW in	l1 in	l3 in	Order Code	EDP Number
2-64	H3/H4	0.069 - 0.075	3	0.141	0.110	1.969	0.441	2.184	9043740021840
4-48	H3/H4	0.089 - 0.097	3	0.141	0.110	2.205	0.709	2.845	9043740028450
5-44	H3/H4	0.100 - 0.108	3	0.141	0.110	2.205	0.709	3.175	9043740031750
6-40	H3/H4	0.111 - 0.119	3	0.141	0.110	2.205	0.709	3.505	9043740035050
8-36	H3/H4	0.134 - 0.142	3	0.168	0.131	2.480	0.827	4.166	9043740041660

UNC Slow helix PM taps



NEW
Spring 2017

Series
Standard
Tool Material
Spiral Flute

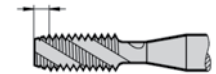
4375
DIN/ANSI
HSS-E PM
15° Helix



Chamfer Form E • 1.5 - 2

Class of Fit

2BX



Blind holes



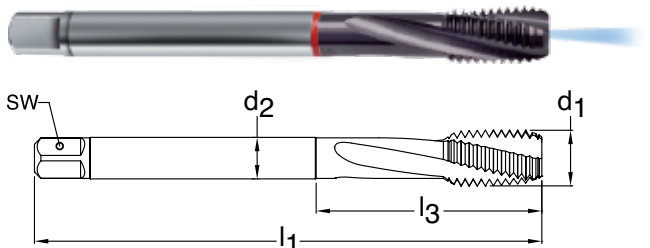
TiCN coated



Axial cooling

d1 - P	H Limits	Tap Drill Range in	Number of Flutes	d2 in	SW in	l1 in	l3 in	Order Code	EDP Number
10-24	H4/H5	0.145 - 0.155	3	0.194	0.152	2.756	0.945	4.826	9043750048260
12-24	H4/H5	0.171 - 0.181	3	0.220	0.165	3.150	1.024	5.486	9043750054860
1/4-20	H5/H6	0.196 - 0.207	3	0.255	0.191	3.150	1.181	6.350	9043750063500
5/16-18	H5/H6	0.252 - 0.265	3	0.318	0.238	3.543	1.377	7.938	9043750079380
3/8-16	H6/H7	0.307 - 0.321	3	0.381	0.286	3.937	1.456	9.525	9043750095250
7/16-14	H6/H7	0.360 - 0.376	4	0.323	0.242	3.937	N/A	11.113	9043750111130
1/2-13	H6/H7	0.417 - 0.434	4	0.367	0.275	4.331	N/A	12.700	9043750127000
9/16-12	H6/H7	0.472 - 0.490	4	0.429	0.322	4.331	N/A	14.288	9043750142880
5/8-11	H6/H7	0.527 - 0.546	4	0.480	0.360	4.331	N/A	15.875	9043750158750
3/4-10	H6/H7	0.642 - 0.663	4	0.590	0.442	4.921	N/A	19.050	9043750190500
7/8-9	H7/H8	0.755 - 0.778	4	0.697	0.523	5.512	N/A	22.225	9043750222250
1-8	H7/H8	0.865 - 0.890	4	0.800	0.600	6.299	N/A	25.400	9043750254000

UNF Slow helix PM taps



NEW
Spring 2017

Series
Standard
Tool Material
Spiral Flute

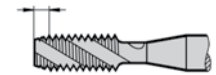
4376
DIN/ANSI
HSS-E PM
15° Helix



Chamfer Form E • 1.5 - 2

Class of Fit

2BX



Blind holes



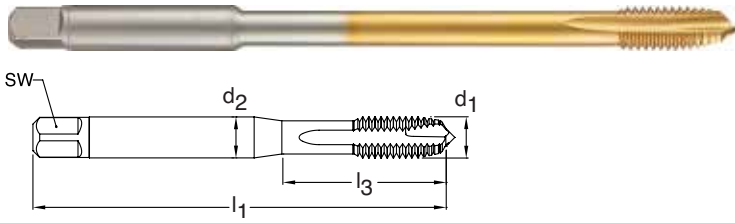
TiCN coated



Axial cooling

d1 - P	H Limits	Tap Drill Range in	Number of Flutes	d2 in	SW in	l1 in	l3 in	Order Code	EDP Number
10-32	H4/H5	0.156 - 0.164	3	0.194	0.152	2.756	0.945	4.826	9043760048260
12-28	H4/H5	0.177 - 0.186	3	0.220	0.165	3.150	1.024	5.486	9043760054860
1/4-28	H4/H5	0.211 - 0.220	3	0.255	0.191	3.150	1.181	6.350	9043760063500
5/16-24	H4/H5	0.267 - 0.277	3	0.318	0.238	3.543	1.377	7.938	9043760079380
3/8-24	H4/H5	0.330 - 0.340	4	0.381	0.286	3.543	1.456	9.525	9043760095250
7/16-20	H5/H6	0.383 - 0.395	4	0.323	0.242	3.937	N/A	11.113	9043760111130
1/2-20	H5/H6	0.446 - 0.457	4	0.367	0.275	3.937	N/A	12.700	9043760127000
9/16-18	H5/H6	0.502 - 0.515	4	0.429	0.322	3.937	N/A	14.288	9043760142880
5/8-18	H5/H6	0.565 - 0.578	5	0.480	0.360	3.937	N/A	15.875	9043760158750
3/4-16	H6/H7	0.682 - 0.696	5	0.590	0.442	4.331	N/A	19.050	9043760190500
7/8-14	H7/H8	0.798 - 0.813	6	0.697	0.523	4.921	N/A	22.225	9043760222250
1-12	H7/H8	0.910 - 0.928	6	0.800	0.600	5.512	N/A	25.400	9043760254000

Extended length taps - 4" & 6" OAL



NEW
Spring 2017

Standard
Tool Material
Spiral Point

Chamfer Form B • 3.5 - 5

Class of Fit

ANSI
HSS-E (Cobalt)
Straight flute



2B



Through holes



TiN coated



External cooling

UNC 4" OAL extended length taps

Series **4390**

d1 - P	H Limits	Tap Drill Range in	Number of Flutes	d2 in	SW in	l1 in	l3 in	Order Code	EDP Number
4-40	H2/H3	0.085 - 0.094	3	0.141	0.110	4.00	2.000	2.845	9043900028450
6-32	H3/H4	0.104 - 0.114	3	0.141	0.110	4.00	2.000	3.505	9043900035050
8-32	H3/H4	0.130 - 0.139	3	0.168	0.131	4.00	2.000	4.166	9043900041660
10-24	H3/H4	0.145 - 0.155	3	0.194	0.152	4.00	2.000	4.826	9043900048260
1/4-20	H4/H5	0.196 - 0.207	3	0.255	0.191	4.00	2.000	6.350	9043900063500

UNF 4" OAL extended length taps

Series **4282**

d1 - P	H Limits	Tap Drill Range in	Number of Flutes	d2 in	SW in	l1 in	l3 in	Order Code	EDP Number
4-48	H2/H3	0.089 - 0.097	3	0.141	0.110	4.00	2.000	2.845	9042820028450
6-40	H2/H3	0.111 - 0.119	3	0.141	0.110	4.00	2.000	3.505	9042820035050
8-36	H2/H3	0.134 - 0.142	3	0.168	0.131	4.00	2.000	4.166	9042820041660
10-32	H3/H4	0.156 - 0.164	3	0.194	0.152	4.00	2.000	4.826	9042820048260
1/4-28	H3/H4	0.211 - 0.220	3	0.255	0.191	4.00	2.000	6.350	9042820063500

UNC 6" OAL extended length taps

Series **4285**

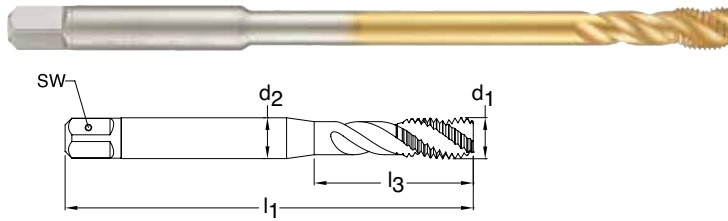
d1 - P	H Limits	Tap Drill Range in	Number of Flutes	d2 in	SW in	l1 in	l3 in	Order Code	EDP Number
1/4-20	H4/H5	0.196 - 0.207	3	0.255	0.191	6.00	4.000	6.350	9042850063500
5/16-18	H4/H5	0.252 - 0.265	3	0.318	0.238	6.00	4.000	7.938	9042850079380
3/8-16	H5/H6	0.307 - 0.321	3	0.381	0.286	6.00	4.000	9.525	9042850095250
7/16-14	H5/H6	0.360 - 0.376	3	0.323	0.242	6.00	N/A	11.113	9042850111130
1/2-13	H5/H6	0.417 - 0.434	4	0.367	0.275	6.00	N/A	12.700	9042850127000
9/16-12	H5/H6	0.472 - 0.490	4	0.429	0.322	6.00	N/A	14.288	9042850142880
5/8-11	H5/H6	0.527 - 0.546	4	0.480	0.360	6.00	N/A	15.875	9042850158750
3/4-10	H5/H6	0.642 - 0.663	4	0.590	0.442	6.00	N/A	19.050	9042850190500

UNF 6" OAL extended length taps

Series **4286**

d1 - P	H Limits	Tap Drill Range in	Number of Flutes	d2 in	SW in	l1 in	l3 in	Order Code	EDP Number
1/4-28	H3/H4	0.211 - 0.220	3	0.255	0.191	6.00	4.000	6.350	9042860063500
5/16-24	H3/H4	0.267 - 0.277	3	0.318	0.238	6.00	4.000	7.938	9042860079380
3/8-24	H3/H4	0.330 - 0.340	3	0.381	0.286	6.00	4.000	9.525	9042860095250
7/16-20	H4/H5	0.383 - 0.395	3	0.323	0.242	6.00	N/A	11.113	9042860111130
1/2-20	H4/H5	0.446 - 0.457	4	0.367	0.275	6.00	N/A	12.700	9042860127000
9/16-18	H4/H5	0.502 - 0.515	4	0.429	0.322	6.00	N/A	14.288	9042860142880
5/8-18	H4/H5	0.565 - 0.578	4	0.480	0.360	6.00	N/A	15.875	9042860158750
3/4-16	H5/H6	0.682 - 0.696	4	0.590	0.442	6.000	N/A	19.050	9042860190500

Extended length taps - 4" & 6" OAL



NEW
Spring 2017

Standard
Tool Material
Spiral Flute

Chamfer Form C • 2-3

Class of Fit

ANSI
HSS-E (Cobalt)
40° Helix



2B



Blind holes



TiN coated



External cooling

UNC 4" OAL extended length taps

Series **4283**

d1 - P	H Limits	Tap Drill Range in	Number of Flutes	d2 in	SW in	l1 in	l3 in	Order Code	EDP Number
4-40	H2/H3	0.085 - 0.094	3	0.141	0.110	4.00	2.000	2.845	9042830028450
6-32	H3/H4	0.104 - 0.114	3	0.141	0.110	4.00	2.000	3.505	9042830035050
8-32	H3/H4	0.130 - 0.139	3	0.168	0.131	4.00	2.000	4.166	9042830041660
10-24	H3/H4	0.145 - 0.155	3	0.194	0.152	4.00	2.000	4.826	9042830048260
1/4-20	H4/H5	0.196 - 0.207	3	0.255	0.191	4.00	2.000	6.350	9042830063500

UNF 4" OAL extended length taps

Series **4284**

d1 - P	H Limits	Tap Drill Range in	Number of Flutes	d2 in	SW in	l1 in	l3 in	Order Code	EDP Number
4-48	H2/H3	0.089 - 0.097	3	0.141	0.110	4.00	2.000	2.845	9042840028450
6-40	H2/H3	0.111 - 0.119	3	0.141	0.110	4.00	2.000	3.505	9042840035050
8-36	H2/H3	0.134 - 0.142	3	0.168	0.131	4.00	2.000	4.166	9042840041660
10-32	H3/H4	0.156 - 0.164	3	0.194	0.152	4.00	2.000	4.826	9042840048260
1/4-28	H3/H4	0.211 - 0.220	3	0.255	0.191	4.00	2.000	6.350	9042840063500

UNC 6" OAL extended length taps

Series **4287**

d1 - P	H Limits	Tap Drill Range in	Number of Flutes	d2 in	SW in	l1 in	l3 in	Order Code	EDP Number
1/4-20	H4/H5	0.196 - 0.207	3	0.255	0.191	6.00	4.000	6.350	9042870063500
5/16-18	H4/H5	0.252 - 0.265	3	0.318	0.238	6.00	4.000	7.938	9042870079380
3/8-16	H5/H6	0.307 - 0.321	3	0.381	0.286	6.00	4.000	9.525	9042870095250
7/16-14	H5/H6	0.360 - 0.376	3	0.323	0.242	6.00	N/A	11.113	9042870111130
1/2-13	H5/H6	0.417 - 0.434	3	0.367	0.275	6.00	N/A	12.700	9042870127000
9/16-12	H5/H6	0.472 - 0.490	3	0.429	0.322	6.00	N/A	14.288	9042870142880
5/8-11	H5/H6	0.527 - 0.546	4	0.480	0.360	6.00	N/A	15.875	9042870158750
3/4-10	H5/H6	0.642 - 0.663	4	0.590	0.442	6.00	N/A	19.050	9042870190500

UNF 6" OAL extended length taps

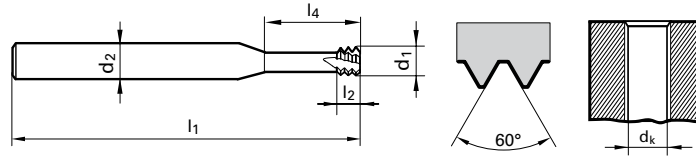
Series **4288**

d1 - P	H Limits	Tap Drill Range in	Number of Flutes	d2 in	SW in	l1 in	l3 in	Order Code	EDP Number
1/4-28	H3/H4	0.211 - 0.220	3	0.255	0.191	6.00	4.000	6.350	9042880063500
5/16-24	H3/H4	0.267 - 0.277	3	0.318	0.238	6.00	4.000	7.938	9042880079380
3/8-24	H3/H4	0.330 - 0.340	3	0.381	0.286	6.00	4.000	9.525	9042880095250
7/16-20	H4/H5	0.383 - 0.395	3	0.323	0.242	6.00	N/A	11.113	9042880111130
1/2-20	H4/H5	0.446 - 0.457	3	0.367	0.275	6.00	N/A	12.700	9042880127000
9/16-18	H4/H5	0.502 - 0.515	3	0.429	0.322	6.00	N/A	14.288	9042880142880
5/8-18	H4/H5	0.565 - 0.578	4	0.480	0.360	6.00	N/A	15.875	9042880158750
3/4-16	H5/H6	0.682 - 0.696	4	0.590	0.442	6.00	N/A	19.050	9042880190500

UNC/UNF Micro-thread milling cutter



Series	4223
Thread Depth	3 X D
Tool Material	Solid Carbide
Coating	TiCN
Shank	HA (round)
Countersink	No



UNC Size	UNF Size	P Pitch	dk (min) inch	d1 mm	d2 mm	l1 mm	l2 mm	l4 mm	No. flutes	4223 EDP #
No. 1	No. 1	72	0.058	1.45	3	39	1.1	5.75	3	9042230018530
	No. 2	64	0.056	1.40	3	39	1.2	6.00	3	9042230018540
No. 2	No. 3	56	0.067	1.65	3	39	1.4	7.00	4	9042230021840
No. 3	No. 4	48	0.076	1.90	3	39	1.6	8.00	4	9042230025150
No. 4		40	0.085	2.10	6	58	1.9	9.00	4	9042230028450
No. 5	No. 6	40	0.098	2.45	6	58	1.9	10.00	4	9042230031750
	No. 8	36	0.134	3.30	6	58	2.1	12.00	4	9042230041650
No. 6		32	0.104	2.55	6	58	2.4	11.00	4	9042230035050
No. 8		32	0.130	3.20	6	58	2.4	13.00	4	9042230041660
	No. 10	32	0.156	3.70	6	58	2.4	15.00	4	9042230048250
	No. 12	28	0.177	4.20	6	58	2.7	16.00	4	9042230054850
	1/4	28	0.211	5.00	6	58	2.7	19.60	4	9042230063490
No. 10 & 12		24	0.145	3.50	6	58	3.2	16.00	4	9042230048260
	5/16 & 3/8	24	0.267	6.60	8	64	3.2	24.00	4	9042230079370
1/4		20	0.196	4.75	6	58	3.8	19.80	4	9042230063500
	7/16	20	0.383	8.00	8	64	3.8	34.60	4	9042230111120
5/16		18	0.252	6.00	6	58	4.2	23.00	4	9042230079380
	5/8	18	0.565	12.00	12	84	4.2	35.00	4	9042230158740
3/8		16	0.307	6.70	8	64	4.8	25.00	4	9042230095250
7/16		14	0.360	7.70	8	64	5.4	25.00	4	9042230111130

Features and Benefits of Guhring Thread Mills:

Sub-micro grain carbide substrate - *Longer tool life with tighter tolerances*

More cost-effective than indexable thread mills

PVD TiCN coating - *Extends tool life by providing heat and wear resistance*

The same carbide thread mill can produce

- Right or left hand threads
- Single or multiple thread leads

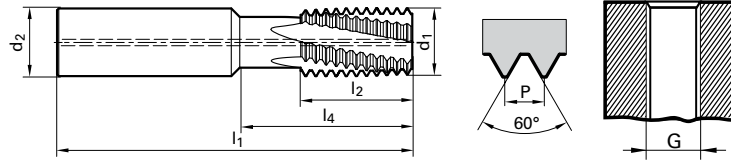
Well-suited for:

- Steels
- Stainless steels
- Titanium and alloys
- High-temperature alloys
- Non-ferrous materials

UNC/UNF Universal thread milling cutter



- One thread mill produces multiple thread sizes with the same pitch



Series	3595
Thread Depth	Multi-Range
Tool Material	Coolant Fed Carbide
Coating	TiCN
Shank	HA (round)
Countersink	No

TPI inch	G min inch	d1 mm	d2 mm	l1 mm	l2 mm	l4	No. flutes	3595 EDP #
24	≥ 1/2	9.950	10.000	70.000	16.00	25.000	4	9035950102400
16	≥ 3/4	11.950	12.000	80.000	20.000	31.000	4	9035950121600
18	≥ 3/4	11.950	12.000	80.000	20.000	31.000	4	9035950121800
20	≥ 3/4	11.950	12.000	80.000	20.000	31.000	4	9035950122000
24	≥ 3/4	11.950	12.000	80.000	20.000	31.000	5	9035950122400
14	≥ 1	15.950	16.000	90.000	25.000	40.000	5	9035950161400
16	≥ 1	15.950	16.000	90.000	25.000	40.000	5	9035950161600
18	≥ 1	15.950	16.000	90.000	25.000	40.000	5	9035950161800
20	≥ 1	15.950	16.000	90.000	25.000	40.000	5	9035950162000
8	≥ 1-1/4	19.950	20.000	105.00	33.000	50.000	5	9035950200800
12	≥ 1-1/4	19.950	20.000	105.00	33.000	50.000	5	9035950201200
14	≥ 1-1/4	19.950	20.000	105.00	33.000	50.000	5	9035950201400
16	≥ 1-1/4	19.950	20.000	105.00	33.000	50.000	5	9035950201600

UNC/UNF Universal thread milling cutter



- One thread mill produces multiple thread sizes with the same pitch

Series	3596
Thread Depth	Multi-Range
Tool Material	Coolant Fed Carbide
Coating	TiCN
Shank	HB (w/flat)
Countersink	No

TPI inch	G min inch	d1 mm	d2 mm	l1 mm	l2 mm	l4	No. flutes	3596 EDP #
24	≥ 1/2	9.950	10.000	70.000	16.00	25.000	4	9035960102400
16	≥ 3/4	11.950	12.000	80.000	20.000	31.000	4	9035960121600
18	≥ 3/4	11.950	12.000	80.000	20.000	31.000	4	9035960121800
20	≥ 3/4	11.950	12.000	80.000	20.000	31.000	4	9035960122000
24	≥ 3/4	11.950	12.000	80.000	20.000	31.000	5	9035960122400
14	≥ 1	15.950	16.000	90.000	25.000	40.000	5	9035960161400
16	≥ 1	15.950	16.000	90.000	25.000	40.000	5	9035960161600
18	≥ 1	15.950	16.000	90.000	25.000	40.000	5	9035960161800
20	≥ 1	15.950	16.000	90.000	25.000	40.000	5	9035960162000
8	≥ 1-1/4	19.950	20.000	105.00	33.000	50.000	5	9035960200800
12	≥ 1-1/4	19.950	20.000	105.00	33.000	50.000	5	9035960201200
14	≥ 1-1/4	19.950	20.000	105.00	33.000	50.000	5	9035960201400
16	≥ 1-1/4	19.950	20.000	105.00	33.000	50.000	5	9035960201600

GÜHROSync tapping chucks by **GUHRING**

Synchro and hydraulic clamping technology intelligently combined

First tapping chuck to offer combination of steel and polymer components for independent axial and torsional force dampening

Extreme concentricity and application speed

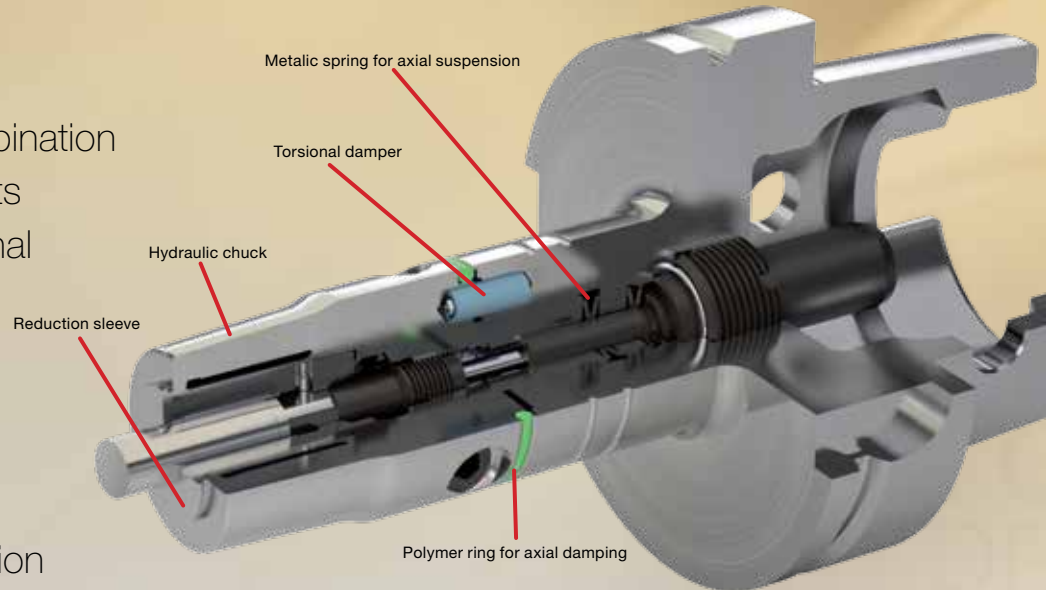
Allows for 0.3 mm of compensation for up to 75% reduction in axial forces

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