EUROPA TOOL

Clarkson

Osborn

Industrial & Workshop

HSS Cutting Tools and Accessories

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GOLDEX JOBBER DRILLS

series 810504

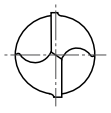
DIN 338 | HSS | N ~ 30° | 118° | h8

Application
Drilling in steel, cast steel alloyed and non-alloyed, grey cast iron, graphite, malleable cast iron.

series 810505

DIN 338 | HSS-E | N ~ 33° | 135° | h8

Application
Drilling stainless steels and difficult to cut materials.



under 1.6mm | 1.6mm and above

Size	Fl Lth	O/All Lth	HSS	HSS-E
1.0	12	34	8105040100	8105050100
1.1	14	36	8105040110	8105050110
1.2	16	38	8105040120	8105050120
1.3	16	38	8105040130	8105050130
1.4	18	40	8105040140	8105050140
1.5	18	40	8105040150	8105050150
1.6	20	43	8105040160	8105050160
1.7	20	43	8105040170	8105050170
1.8	22	46	8105040180	8105050180
1.9	22	46	8105040190	8105050190
2.0	24	49	8105040200	8105050200
2.1	24	49	8105040210	8105050210
2.2	27	53	8105040220	8105050220
2.3	27	53	8105040230	8105050230
2.4	30	57	8105040240	8105050240
2.5	30	57	8105040250	8105050250
2.6	30	57	8105040260	8105050260
2.7	33	61	8105040270	8105050270
2.8	33	61	8105040280	8105050280
2.9	33	61	8105040290	8105050290
3.0	33	61	8105040300	8105050300
3.1	36	65	8105040310	8105050310
3.2	36	65	8105040320	8105050320
3.3	36	65	8105040330	8105050330
3.4	39	70	8105040340	8105050340
3.5	39	70	8105040350	8105050350
3.6	39	70	8105040360	8105050360
3.7	39	70	8105040370	8105050370
3.8	43	75	8105040380	8105050380
3.9	43	75	8105040390	8105050390
4.0	43	75	8105040400	8105050400

Size	Fl Lth	O/All Lth	HSS	HSS-E
4.1	43	75	8105040410	8105050410
4.2	43	75	8105040420	8105050420
4.3	47	80	8105040430	8105050430
4.4	47	80	8105040440	8105050440
4.5	47	80	8105040450	8105050450
4.6	47	80	8105040460	8105050460
4.7	47	80	8105040470	8105050470
4.8	47	80	8105040480	8105050480
4.9	52	86	8105040490	8105050490
5.0	52	86	8105040500	8105050500
5.1	52	86	8105040510	8105050510
5.2	52	86	8105040520	8105050520
5.3	52	86	8105040530	8105050530
5.4	57	93	8105040540	8105050540
5.5	57	93	8105040550	8105050550
5.6	57	93	8105040560	8105050560
5.7	57	93	8105040570	8105050570
5.8	57	93	8105040580	8105050580
5.9	57	93	8105040590	8105050590
6.0	57	93	8105040600	8105050600
6.1	63	101	8105040610	8105050610
6.2	63	101	8105040620	8105050620
6.3	63	101	8105040630	8105050630
6.4	63	101	8105040640	8105050640
6.5	63	101	8105040650	8105050650
6.6	63	101	8105040660	8105050660
6.7	63	101	8105040670	8105050670
6.8	69	109	8105040680	8105050680
6.9	69	109	8105040690	8105050690
7.0	69	109	8105040700	8105050700
7.1	69	109	8105040710	8105050710

GOLDEX JOBBER DRILLS

series 810504

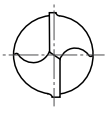
DIN 338 | HSS | N ~ 30° | 118° | h8

Application
Drilling in steel, cast steel alloyed and non-alloyed, grey cast iron, graphite, malleable cast iron.

series 810505

DIN 338 | HSS-E | N ~ 33° | 135° | h8

Application
Drilling stainless steels and difficult to cut materials.



under 1.6mm 1.6mm and above

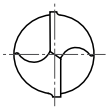
Size	Fl Lth	O/All Lth	HSS	HSS-E
7.2	69	109	8105040720	8105050720
7.3	69	109	8105040730	8105050730
7.4	69	109	8105040740	8105050740
7.5	69	109	8105040750	8105050750
7.6	75	117	8105040760	8105050760
7.7	75	117	8105040770	8105050770
7.8	75	117	8105040780	8105050780
7.9	75	117	8105040790	8105050790
8.0	75	117	8105040800	8105050800
8.1	75	117	8105040810	8105050810
8.2	75	117	8105040820	8105050820
8.3	75	117	8105040830	8105050830
8.4	75	117	8105040840	8105050840
8.5	75	117	8105040850	8105050850
8.6	81	125	8105040860	8105050860
8.7	81	125	8105040870	8105050870
8.8	81	125	8105040880	8105050880
8.9	81	125	8105040890	8105050890
9.0	81	125	8105040900	8105050900
9.1	81	125	8105040910	8105050910
9.2	81	125	8105040920	8105050920
9.3	81	125	8105040930	8105050930
9.4	81	125	8105040940	8105050940
9.5	87	133	8105040950	8105050950
9.6	87	133	8105040960	8105050960
9.7	87	133	8105040970	8105050970
9.8	87	133	8105040980	8105050980
9.9	87	133	8105040990	8105050990
10.0	87	133	8105041000	8105051000
10.1	87	133	8105041010	8105051010

Size	Fl Lth	O/All Lth	HSS	HSS-E
10.2	87	133	8105041020	8105051020
10.3	87	133	8105041030	8105051030
10.4	87	133	8105041040	8105051040
10.5	87	133	8105041050	8105051050
10.6	87	133	8105041060	8105051060
10.7	94	142	8105041070	8105051070
10.8	94	142	8105041080	8105051080
10.9	94	142	8105041090	8105051090
11.0	94	142	8105041100	8105051100
11.1	94	142	8105041110	8105051110
11.2	94	142	8105041120	8105051120
11.3	94	142	8105041130	8105051130
11.4	94	142	8105041140	8105051140
11.5	94	142	8105041150	8105051150
11.6	94	142	8105041160	8105051160
11.7	94	142	8105041170	8105051170
11.8	94	142	8105041180	8105051180
11.9	101	151	8105041190	8105051190
12.0	101	151	8105041200	8105051200
12.1	101	151	8105041210	8105051210
12.2	101	151	8105041220	8105051220
12.3	101	151	8105041230	8105051230
12.4	101	151	8105041240	8105051240
12.5	101	151	8105041250	8105051250
12.6	101	151	8105041260	8105051260
12.7	101	151	8105041270	8105051270
12.8	101	151	8105041280	8105051280
12.9	101	151	8105041290	8105051290
13.0	101	151	8105041300	8105051300

series 820601

DIN 1897 | HSS | 20 - 30° | 118° | h8

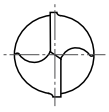
Application
Suitable for drilling thin materials with portable electric drills.



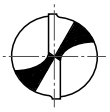
series 820502

DIN 1897 | HSS Co8 | N ~ 33° | 135° | h8

Application
Suitable for drilling thin materials with portable electric drills.
Special twist drills for automatic and turret lathes



under 1.6mm



1.6mm and above

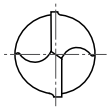
Size	Fl Lth	O/All Lth	HSS	HSS-Co8
1.0	6	26	8206010100	8205020100
1.1	7	28	8206010110	8205020110
1.2	8	30	8206010120	8205020120
1.25	8	30	8206010125	8205020125
1.3	8	30	8206010130	8205020130
1.4	9	32	8206010140	8205020140
1.5	9	32	8206010150	8205020150
1.6	10	34	8206010160	8205020160
1.7	10	34	8206010170	8205020170
1.75	11	36	8206010175	8205020175
1.8	11	36	8206010180	8205020180
1.9	11	36	8206010190	8205020190
2.0	12	38	8206010200	8205020200
2.1	12	38	8206010210	8205020210
2.2	13	40	8206010220	8205020220
2.25	13	40	8206010225	8205020225
2.3	13	40	8206010230	8205020230
2.4	14	43	8206010240	8205020240
2.5	14	43	8206010250	8205020250
2.6	14	43	8206010260	8205020260
2.7	16	46	8206010270	8205020270
2.75	16	46	8206010275	8205020275
2.8	16	46	8206010280	8205020280
2.9	16	46	8206010290	8205020290
3.0	16	46	8206010300	8205020300
3.1	18	49	8206010310	8205020310
3.2	18	49	8206010320	8205020320
3.25	18	49	8206010325	8205020325
3.3	18	49	8206010330	8205020330
3.4	20	52	8206010340	8205020340
3.5	20	52	8206010350	8205020350

Size	Fl Lth	O/All Lth	HSS	HSS-Co8
3.6	20	52	8206010360	8205020360
3.7	20	52	8206010370	8205020370
3.75	20	52	8206010375	8205020375
3.8	22	55	8206010380	8205020380
3.9	22	55	8206010390	8205020390
4.0	22	55	8206010400	8205020400
4.1	22	55	8206010410	8205020410
4.2	22	55	8206010420	8205020420
4.25	22	55	8206010425	8205020425
4.3	24	58	8206010430	8205020430
4.4	24	58	8206010440	8205020440
4.5	24	58	8206010450	8205020450
4.6	24	58	8206010460	8205020460
4.65	24	58	8206010465	8205020465
4.7	24	58	8206010470	8205020470
4.75	24	58	8206010475	8205020475
4.8	26	62	8206010480	8205020480
4.9	26	62	8206010490	8205020490
5.0	26	62	8206010500	8205020500
5.1	26	62	8206010510	8205020510
5.2	26	62	8206010520	8205020520
5.25	26	62	8206010525	8205020525
5.3	26	62	8206010530	8205020530
5.4	28	66	8206010540	8205020540
5.5	28	66	8206010550	8205020550
5.55	28	66	8206010555	8205020555
5.6	28	66	8206010560	8205020560
5.7	28	66	8206010570	8205020570
5.75	28	66	8206010575	8205020575
5.8	28	66	8206010580	8205020580
5.9	28	66	8206010590	8205020590

series 820601

DIN 1897 | HSS | 20 - 30° | 118° | h8

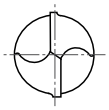
Application
Suitable for drilling thin materials with portable electric drills.



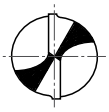
series 820502

DIN 1897 | HSS Co8 | N ~ 33° | 135° | h8

Application
Suitable for drilling thin materials with portable electric drills.
Special twist drills for automatic and turret lathes



under 1.6mm



1.6mm and above

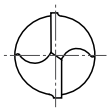
Size	Fl Lth	O/All Lth	HSS	HSS-Co8
6.0	28	66	8206010600	8205020600
6.1	31	70	8206010610	8205020610
6.2	31	70	8206010620	8205020620
6.25	31	70	8206010625	8205020625
6.3	31	70	8206010630	8205020630
6.4	31	70	8206010640	8205020640
6.5	31	70	8206010650	8205020650
6.6	31	70	8206010660	8205020660
6.7	31	70	8206010670	8205020670
6.75	34	74	8206010675	8205020675
6.8	34	74	8206010680	8205020680
6.9	34	74	8206010690	8205020690
7.0	34	74	8206010700	8205020700
7.1	34	74	8206010710	8205020710
7.2	34	74	8206010720	8205020720
7.25	34	74	8206010725	8205020725
7.3	34	74	8206010730	8205020730
7.4	34	74	8206010740	8205020740
7.45	34	74	8206010745	8205020745
7.5	34	74	8206010750	8205020750
7.6	37	79	8206010760	8205020760
7.7	37	79	8206010770	8205020770
7.75	37	79	8206010775	8205020775
7.8	37	79	8206010780	8205020780
7.9	37	79	8206010790	8205020790
8.0	37	79	8206010800	8205020800
8.1	37	79	8206010810	8205020810
8.2	37	79	8206010820	8205020820
8.25	37	79	8206010825	8205020825
8.3	37	79	8206010830	8205020830
8.4	37	79	8206010840	8205020840

Size	Fl Lth	O/All Lth	HSS	HSS-Co8
8.5	40	84	8206010850	8205020850
8.6	40	84	8206010860	8205020860
8.7	40	84	8206010870	8205020870
8.75	40	84	8206010875	8205020875
8.8	40	84	8206010880	8205020880
8.9	40	84	8206010890	8205020890
9.0	40	84	8206010900	8205020900
9.1	40	84	8206010910	8205020910
9.2	40	84	8206010920	8205020920
9.25	40	84	8206010925	8205020925
9.3	40	84	8206010930	8205020930
9.35	40	84	8206010935	8205020935
9.4	40	84	8206010940	8205020940
9.5	40	84	8206010950	8205020950
9.6	43	89	8206010960	8205020960
9.7	43	89	8206010970	8205020970
9.75	43	89	8206010975	8205020975
9.8	43	89	8206010980	8205020980
9.9	43	89	8206010990	8205020990
10.0	43	89	8206011000	8205021000
10.2	43	89	8206011020	8205021020
10.25	43	89	8206011025	8205021025
10.5	43	89	8206011050	8205021050
10.75	47	95	8206011075	8205021075
11.0	47	95	8206011100	8205021100
11.25	47	95	8206011125	8205021125
11.5	47	95	8206011150	8205021150
11.75	47	95	8206011175	8205021175
11.8	47	95	8206011180	8205021180
12.0	51	102	8206011200	8205021200
12.25	51	102	8206011225	8205021225

series 820601

DIN 1897 | HSS | 20 - 30° | 118° | h8

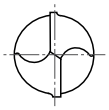
Application
Suitable for drilling thin materials with portable electric drills.



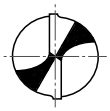
series 820502

DIN 1897 | HSS Co8 | N ~ 33° | 135° | h8

Application
Suitable for drilling thin materials with portable electric drills.
Special twist drills for automatic and turret lathes



under 1.6mm



1.6mm and above

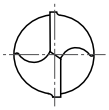
Size	Fl Lth	O/All Lth	HSS	HSS-Co8
12.5	51	102	**8206011250**	**8205021250**
12.75	51	102	**8206011275**	**8205021275**
13.0	51	102	**8206011300**	**8205021300**
13.25	54	107		**8205021325**
13.5	54	107		**8205021350**
13.75	54	107		**8205021375**
13.8	54	107		**8205021380**
14.0	54	107		**8205021400**
14.25	56	111		**8205021425**
14.5	56	111		**8205021450**
14.75	56	111		**8205021475**
15.0	56	111		**8205021500**
15.25	58	115		**8205021525**
15.5	58	115		**8205021550**
15.75	58	115		**8205021575**
16.0	58	115		**8205021600**
16.25	60	119		**8205021625**
16.5	60	119		**8205021650**
16.75	60	119		**8205021675**
17.0	60	119		**8205021700**
17.25	62	123		**8205021725**
17.5	62	123		**8205021750**
17.75	62	123		**8205021775**
18.0	62	123		**8205021800**

Size	Fl Lth	O/All Lth	HSS	HSS-Co8
18.25	64	127		**8205021825**
18.5	64	127		**8205021850**
18.75	64	127		**8205021875**
19.0	64	127		**8205021900**
19.25	66	131		**8205021925**
19.5	66	131		**8205021950**
19.75	66	131		**8205021975**
20.0	66	131		**8205022000**
20.5	68	136		**8205022050**
21.0	68	136		**8205022100**
21.5	70	141		**8205022150**
22.0	70	141		**8205022200**
22.5	72	146		**8205022250**
23.0	72	146		**8205022300**
23.5	72	146		**8205022350**
24.0	75	151		**8205022400**
24.5	75	151		**8205022450**
25.0	75	151		**8205022500**
26.0	78	156		**8205022600**
27.0	81	162		**8205022700**
28.0	81	162		**8205022800**
29.0	84	168		**8205022900**
30.0	84	168		**8205023000**
31.0	87	174		**8205023100**

series 820801

DIN 338 | HSS | 20 - 30° | 118° | h8

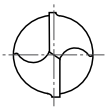
Application
Drilling steels, cast steels alloyed and non-alloyed, grey cast iron, malleable cast iron and graphite.



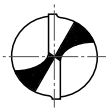
series 820702

DIN 338 | HSS Co8 | N ~ 33° | 135° | h8

Application
Drilling stainless steels and difficult to cut materials such as titanium and inconel.



under 1.6mm



1.6mm and above

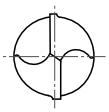
Size	Fl Lth	O/All Lth	HSS	HSS-Co8
1.0	12	34	8208010100	8207020100
1.05	12	34	8208010105	
1.1	14	36	8208010110	8207020110
1.15	14	36	8208010115	
1.2	16	38	8208010120	8207020120
1.25	16	38	8208010125	8207020125
1.3	16	38	8208010130	8207020130
1.35	18	40	8208010135	
1.4	18	40	8208010140	8207020140
1.45	18	40	8208010145	
1.5	18	40	8208010150	8207020150
1.55	20	43	8208010155	
1.6	20	43	8208010160	8207020160
1.65	20	43	8208010165	
1.7	20	43	8208010170	8207020170
1.75	22	46	8208010175	8207020175
1.8	22	46	8208010180	8207020180
1.85	22	46	8208010185	
1.9	22	46	8208010190	8207020190
1.95	24	49	8208010195	
2.0	24	49	8208010200	8207020200
2.05	24	49	8208010205	
2.1	24	49	8208010210	8207020210
2.15	27	53	8208010215	
2.2	27	53	8208010220	8207020220
2.25	27	53	8208010225	8207020225
2.3	27	53	8208010230	8207020230
2.35	27	53	8208010235	
2.4	30	57	8208010240	8207020240
2.45	30	57	8208010245	
2.5	30	57	8208010250	8207020250
2.55	30	57	8208010255	
2.6	30	57	8208010260	8207020260
2.65	30	57	8208010265	
2.7	33	61	8208010270	8207020270
2.75	33	61	8208010275	8207020275

Size	Fl Lth	O/All Lth	HSS	HSS-Co8
2.8	33	61	8208010280	8207020280
2.85	33	61	8208010285	
2.9	33	61	8208010290	8207020290
2.95	33	61	8208010295	
3.0	33	61	8208010300	8207020300
3.05	36	65	8208010305	
3.1	36	65	8208010310	8207020310
3.15	36	65	8208010315	
3.2	36	65	8208010320	8207020320
3.25	36	65	8208010325	8207020325
3.3	36	65	8208010330	8207020330
3.35	36	65	8208010335	
3.4	39	70	8208010340	8207020340
3.45	39	70	8208010345	
3.5	39	70	8208010350	8207020350
3.55	39	70	8208010355	
3.6	39	70	8208010360	8207020360
3.65	39	70	8208010365	
3.7	39	70	8208010370	8207020370
3.75	39	70	8208010375	8207020375
3.8	43	75	8208010380	8207020380
3.85	43	75	8208010385	
3.9	43	75	8208010390	8207020390
3.95	43	75	8208010395	
4.0	43	75	8208010400	8207020400
4.05	43	75	8208010405	
4.1	43	75	8208010410	8207020410
4.15	43	75	8208010415	
4.2	43	75	8208010420	8207020420
4.25	43	75	8208010425	8207020425
4.3	47	80	8208010430	8207020430
4.35	47	80	8208010435	
4.4	47	80	8208010440	8207020440
4.45	47	80	8208010445	
4.5	47	80	8208010450	8207020450
4.55	47	80	8208010455	

series 820801

DIN 338 | HSS | 20 - 30° | 118° | h8

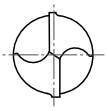
Application
Drilling steels, cast steels alloyed and non-alloyed, grey cast iron, malleable cast iron and graphite.



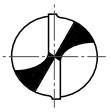
series 820702

DIN 338 | HSS Co8 | N ~ 33° | 135° | h8

Application
Drilling stainless steels and difficult to cut materials such as titanium and inconel.



under 1.6mm



1.6mm and above

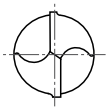
Size	Fl Lth	O/All Lth	HSS	HSS-Co8
4.6	47	80	8208010460	8207020460
4.65	47	80	8208010465	
4.7	47	80	8208010470	8207020470
4.75	47	80	8208010475	8207020475
4.8	52	86	8208010480	8207020480
4.85	52	86	8208010485	
4.9	52	86	8208010490	8207020490
4.95	52	86	8208010495	
5.0	52	86	8208010500	8207020500
5.05	52	86	8208010505	
5.1	52	86	8208010510	8207020510
5.15	52	86	8208010515	
5.2	52	86	8208010520	8207020520
5.25	52	86	8208010525	8207020525
5.3	52	86	8208010530	8207020530
5.35	57	93	8208010535	
5.4	57	93	8208010540	8207020540
5.45	57	93	8208010545	
5.5	57	93	8208010550	8207020550
5.55	57	93	8208010555	
5.6	57	93	8208010560	8207020560
5.65	57	93	8208010565	
5.7	57	93	8208010570	8207020570
5.75	57	93	8208010575	8207020575
5.8	57	93	8208010580	8207020580
5.85	57	93	8208010585	
5.9	57	93	8208010590	8207020590
5.95	57	93	8208010595	
6.0	57	93	8208010600	8207020600
6.05	63	101	8208010605	
6.1	63	101	8208010610	8207020610
6.15	63	101	8208010615	
6.2	63	101	8208010620	8207020620
6.25	63	101	8208010625	8207020625
6.3	63	101	8208010630	8207020630
6.35	63	101	8208010635	

Size	Fl Lth	O/All Lth	HSS	HSS-Co8
6.4	63	101	8208010640	8208010640
6.45	63	101	8208010645	
6.5	63	101	8208010650	8208010650
6.55	63	101	8208010655	
6.6	63	101	8208010660	8208010660
6.65	63	101	8208010665	
6.7	63	101	8208010670	8208010670
6.75	69	109	8208010675	8208010675
6.8	69	109	8208010680	8208010680
6.85	69	109	8208010685	
6.9	69	109	8208010690	8208010690
6.95	69	109	8208010695	
7.0	69	109	8208010700	8208010700
7.05	69	109	8208010705	
7.1	69	109	8208010710	8208010710
7.15	69	109	8208010715	
7.2	69	109	8208010720	8208010720
7.25	69	109	8208010725	8208010725
7.3	69	109	8208010730	8208010730
7.35	69	109	8208010735	
7.4	69	109	8208010740	8208010740
7.45	69	109	8208010745	
7.5	69	109	8208010750	8208010750
7.55	75	117	8208010755	
7.6	75	117	8208010760	8208010760
7.65	75	117	8208010765	
7.7	75	117	8208010770	8208010770
7.75	75	117	8208010775	8208010775
7.8	75	117	8208010780	8208010780
7.85	75	117	8208010785	
7.9	75	117	8208010790	8208010790
7.95	75	117	8208010795	
8.0	75	117	8208010800	8208010800
8.1	75	117	8208010810	8208010810
8.2	75	117	8208010820	8208010820
8.25	75	117	8208010825	8208010825

series 820801

DIN 338 | HSS | 20 - 30° | 118° | h8

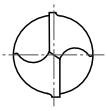
Application
Drilling steels, cast steels alloyed and non-alloyed, grey cast iron, malleable cast iron and graphite.



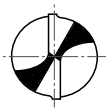
series 820702

DIN 338 | HSS Co8 | N ~ 33° | 135° | h8

Application
Drilling stainless steels and difficult to cut materials such as titanium and inconel.



under 1.6mm



1.6mm and above

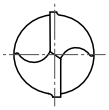
Size	Fl Lth	O/All Lth	HSS	HSS-Co8
8.3	75	117	8208010830	8207020830
8.4	75	117	8208010840	8207020840
8.5	75	117	8208010850	8207020850
8.6	75	117	8208010860	8207020860
8.7	81	125	8208010870	8207020870
8.75	81	125	8208010875	8207020875
8.8	81	125	8208010880	8207020880
8.9	81	125	8208010890	8207020890
9.0	81	125	8208010900	8207020900
9.1	81	125	8208010910	8207020910
9.2	81	125	8208010920	8207020920
9.25	81	125	8208010925	8207020925
9.3	81	125	8208010930	8207020930
9.4	81	125	8208010940	8207020940
9.5	81	125	8208010950	8207020950
9.6	87	133	8208010960	8207020960
9.7	87	133	8208010970	8207020970
9.75	87	133	8208010975	8207020975
9.8	87	133	8208010980	8207020980
9.9	87	133	8208010990	8207020990
10.0	87	133	8208011000	8207021000
10.1	87	133	8208011010	
10.2	87	133	8208011020	8207021020
10.25	87	133	8208011025	
10.3	87	133	8208011030	
10.4	87	133	8208011040	
10.5	87	133	8208011050	8207021050
10.6	87	133	8208011060	
10.7	94	142	8208011070	
10.75	94	142	8208011075	
10.8	94	142	8208011080	
10.9	94	142	8208011090	
11.0	94	142	8208011100	8207021100
11.1	94	142	8208011110	
11.2	94	142	8208011120	
11.25	94	142	8208011125	

Size	Fl Lth	O/All Lth	HSS	HSS-Co8
11.3	94	142	8208011130	
11.4	94	142	8208011140	
11.5	94	142	8208011150	8207021150
11.6	94	142	8208011160	
11.7	94	142	8208011170	
11.75	94	142	8208011175	
11.8	94	142	8208011180	
11.9	101	151	8208011190	
12.0	101	151	8208011200	8207021200
12.1	101	151	8208011210	
12.2	101	151	8208011220	
12.25	101	151	8208011225	
12.3	101	151	8208011230	
12.4	101	151	8208011240	
12.5	101	151	8208011250	8207021250
12.6	101	151	8208011260	
12.7	101	151	8208011270	
12.75	101	151	8208011275	
12.8	101	151	8208011280	
12.9	101	151	8208011290	
13.0	101	151	8208011300	8207021300
13.1	101	151	8208011310	
13.25	108	160	8208011325	
13.5	108	160	8208011350	8207021350
13.75	108	160	8208011375	
14.0	108	160	8208011400	8207021400
14.25	114	169	8208011425	
14.5	114	169	8208011450	8207021450
14.75	114	169	8208011475	
15.0	114	169	8208011500	8207021500
15.25	120	178	8208011525	
15.5	120	178	8208011550	8207021550
15.75	120	178	8208011575	
16.0	120	178	8208011600	8207021600
16.25	125	184	8208011625	
16.5	125	184	8208011650	8207021650

series 820801

DIN 338 | HSS | 20 - 30° | 118° | h8

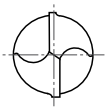
Application
Drilling steels, cast steels alloyed and non-alloyed, grey cast iron, malleable cast iron and graphite.



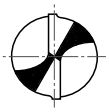
series 820702

DIN 338 | HSS Co8 | N ~ 33° | 135° | h8

Application
Drilling stainless steels and difficult to cut materials such as titanium and inconel.



under 1.6mm



1.6mm and above

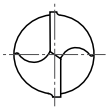
Size	Fl Lth	O/All Lth	HSS	HSS-Co8
16.75	125	184	**8208011675**	
17.0	125	184	**8208011700**	**8207021700**
17.25	130	191	**8208011725**	
17.5	130	191	**8208011750**	**8207021750**
17.75	130	191	**8208011775**	
18.0	130	191	**8208011800**	**8207021800**
18.25	135	198	**8208011825**	

Size	Fl Lth	O/All Lth	HSS	HSS-Co8
18.5	135	198	**8208011850**	**8207021850**
18.75	135	198	**8208011875**	
19.0	135	198	**8208011900**	**8207021900**
19.25	140	205	**8208011925**	
19.5	140	205	**8208011950**	**8207021950**
19.75	140	205	**8208011975**	
20.0	140	205	**8208012000**	**8207022000**

series 810801

DIN 338 | HSS | 20 - 30° | 118° | h8

Application
Drilling steels, cast steels alloyed and non-alloyed, grey cast iron, malleable cast iron and graphite.



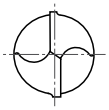
Size	Fl Lth	O/All Lth	HSS
3/64	3/4	1.3/4	**8108010030**
1/16	7/8	1.7/8	**8108010040**
5/64	1”	2”	**8108010050**
3/32	1.1/4	2.1/4	**8108010060**
7/64	1.1/2	2.5/8	**8108010070**
1/8	1.5/8	2.3/4	**8108010080**
9/64	1.3/4	2.7/8	**8108010090**
5/32	2”	3.1/8	**8108010100**
11/64	2.1/8	3.1/4	**8108010110**
3/16	2.5/16	3.1/2	**8108010120**
13/64	2.7/16	3.5/8	**8108010130**
7/32	2.1/2	3.3/4	**8108010140**
15/64	2.5/8	3.7/8	**8108010150**
1/4	2.3/4	4”	**8108010160**
17/64	2.7/8	4.1/8	**8108010170**

Size	Fl Lth	O/All Lth	HSS
9/32	2.15/16	4.1/4	**8108010180**
19/64	3.1/16	4.3/8	**8108010190**
5/16	3.3/16	4.1/2	**8108010200**
21/64	3.5/16	4.5/8	**8108010210**
11/32	3.7/16	4.3/4	**8108010220**
23/64	3.1/2	4.7/8	**8108010230**
3/8	3.5/8	5”	**8108010240**
25/64	3.3/4	5/1.8	**8108010250**
13/32	3.7/8	5.1/4	**8108010260**
27/64	3.15/16	5.3/8	**8108010270**
7/16	4.1/16	5.1/2	**8108010280**
29/64	4.3/16	5.5/8	**8108010290**
15/32	4.5/16	5..3/4	**8108010300**
31/64	4.3/8	5.7/8	**8108010310**
1/2	4.1/2	6”	**8108010320**

series 820901

DIN 340 | HSS | STEAM TEMP | 118° | h8

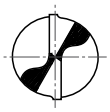
Application
Drilling steels, cast steels alloyed and non-alloyed, grey cast iron, malleable cast iron and graphite.



series 820902

DIN 340 | HSS Co8 | N ~ 33° | 135° | h8

Application
Drilling stainless steels and difficult to cut materials such as titanium and inconel.



Size	Fl Lth	O/All Lth	HSS	HSS-Co8
1.0	33	56	8209010100	
1.1	33	56	8209010110	
1.2	41	65	8209010120	
1.3	41	65	8209010130	
1.4	45	70	8209010140	
1.5	45	70	8209010150	
1.6	50	76	8209010160	
1.7	50	76	8209010170	
1.8	53	80	8209010180	
1.9	53	80	8209010190	
2.0	56	85	8209010200	8209020200
2.1	56	85	8209010210	8209020210
2.2	59	90	8209010220	8209020220
2.3	59	90	8209010230	8209020230
2.4	62	95	8209010240	8209020240
2.5	62	95	8209010250	8209020250
2.6	62	95	8209010260	8209020260
2.7	66	100	8209010270	8209020270
2.8	66	100	8209010280	8209020280
2.9	66	100	8209010290	8209020290
3.0	66	100	8209010300	8209020300
3.1	69	106	8209010310	8209020310
3.2	69	106	8209010320	8209020320
3.3	69	106	8209010330	8209020330
3.4	73	112	8209010340	8209020340
3.5	73	112	8209010350	8209020350
3.6	73	112	8209010360	8209020360
3.7	73	112	8209010370	8209020370
3.8	78	119	8209010380	8209020380
3.9	78	119	8209010390	8209020390
4.0	78	119	8209010400	8209020400
4.1	78	119	8209010410	8209020410

Size	Fl Lth	O/All Lth	HSS	HSS-Co8
4.2	78	119	8209010420	8209020420
4.3	82	126	8209010430	8209020430
4.4	82	126	8209010440	8209020440
4.5	82	126	8209010450	8209020450
4.6	82	126	8209010460	8209020460
4.7	82	126	8209010470	8209020470
4.8	87	132	8209010480	8209020480
4.9	87	132	8209010490	8209020490
5.0	87	132	8209010500	8209020500
5.1	87	132	8209010510	8209020510
5.2	87	132	8209010520	8209020520
5.3	87	132	8209010530	8209020530
5.4	91	139	8209010540	8209020540
5.5	91	139	8209010550	8209020550
5.6	91	139	8209010560	8209020560
5.7	91	139	8209010570	8209020570
5.8	91	139	8209010580	8209020580
5.9	91	139	8209010590	8209020590
6.0	91	139	8209010600	8209020600
6.1	97	148	8209010610	8209020610
6.2	97	148	8209010620	8209020620
6.3	97	148	8209010630	8209020630
6.4	97	148	8209010640	8209020640
6.5	97	148	8209010650	8209020650
6.6	97	148	8209010660	8209020660
6.7	97	148	8209010670	8209020670
6.8	102	156	8209010680	8209020680
6.9	102	156	8209010690	8209020690
7.0	102	156	8209010700	8209020700
7.1	102	156	8209010710	8209020710
7.2	102	156	8209010720	8209020720
7.3	102	156	8209010730	8209020730

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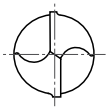
series 820901

DIN 340 | HSS | STEAM TEMP | 118° | h8

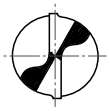
Application
Drilling steels, cast steels alloyed and non-alloyed, grey cast iron, malleable cast iron and graphite.



series 820902

DIN 340 | HSS Co8 | N ~ 33° | 135° | h8

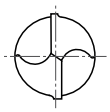
Application
Drilling stainless steels and difficult to cut materials such as titanium and inconel.



Size	Fl Lth	O/All Lth	HSS	HSS-Co8
7.4	102	156	8209010740	8209020740
7.5	102	156	8209010750	8209020750
7.6	109	165	8209010760	8209020760
7.7	109	165	8209010770	8209020770
7.8	109	165	8209010780	8209020780
7.9	109	165	8209010790	8209020790
8.0	109	165	8209010800	8209020800
8.1	109	165	8209010810	8209020810
8.2	109	165	8209010820	8209020820
8.3	109	165	8209010830	8209020830
8.4	109	165	8209010840	8209020840
8.5	109	165	8209010850	8209020850
8.6	115	175	8209010860	8209020860
8.7	115	175	8209010870	8209020870
8.8	115	175	8209010880	8209020880
8.9	115	175	8209010890	8209020890
9.0	115	175	8209010900	8209020900
9.1	115	175	8209010910	8209020910
9.2	115	175	8209010920	8209020920
9.3	115	175	8209010930	8209020930
9.4	115	175	8209010940	8209020940
9.5	115	175	8209010950	8209020950
9.6	121	184	8209010960	8209020960
9.7	121	184	8209010970	8209020970
9.8	121	184	8209010980	8209020980
9.9	121	184	8209010990	8209020990
10.0	121	184	8209011000	8209021000
10.1	121	184	8209011010	
10.2	121	184	8209011020	8209021020
10.3	121	184	8209011030	
10.4	121	184	8209011040	
10.5	121	184	8209011050	8209021050

Size	Fl Lth	O/All Lth	HSS	HSS-Co8
10.6	121	184	8209011060	
10.7	128	195	8209011070	
10.8	128	195	8209011080	8209021080
10.9	128	195	8209011090	
11.0	128	195	8209011100	8209021100
11.1	128	195	8209011110	
11.2	128	195	8209011120	8209021120
11.3	128	195	8209011130	
11.4	128	195	8209011140	
11.5	128	195	8209011150	8209021150
11.6	128	195	8209011160	
11.7	128	195	8209011170	
11.8	128	195	8209011180	8209021180
11.9	134	205	8209011190	
12.0	134	205	8209011200	8209021200
12.1	134	205	8209011210	
12.2	134	205	8209011220	
12.3	134	205	8209011230	
12.4	134	205	8209011240	
12.5	134	205	8209011250	
12.6	134	205	8209011260	
12.7	134	205	8209011270	
12.8	134	205	8209011280	
12.9	134	205	8209011290	
13.0	134	205	8209011300	
14.0	140	214	8209011400	
15.0	144	220	8209011500	
16.0	149	227	8209011600	
17.0	154	235	8209011700	
18.0	158	241	8209011800	
19.0	162	247	8209011900	
20.0	166	254	8209012000	

TAPER SHANK DRILLS



DIN 345 | HSS | 20 - 30° | 118° | h8 | 1 - 5

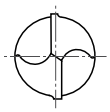
series 821601

Application
Drilling steels, cast steels alloyed and non-alloyed, grey cast iron, malleable cast iron and graphite.

Size	Fl Lth	O/All Lth	MTS No.	HSS
13.0	101	182	1	**8216011300**
13.2	101	182	1	**8216011320**
13.25	108	189	1	**8216011325**
13.5	108	189	1	**8216011350**
13.75	108	189	1	**8216011375**
13.8	108	189	1	**8216011380**
14.0	108	189	1	**8216011400**
14.25	114	212	2	**8216011425**
14.5	114	212	2	**8216011450**
14.75	114	212	2	**8216011475**
15.0	114	212	2	**8216011500**
15.25	120	218	2	**8216011525**
15.5	120	218	2	**8216011550**
15.75	120	218	2	**8216011575**
16.0	120	218	2	**8216011600**
16.25	125	223	2	**8216011625**
16.5	125	223	2	**8216011650**
16.75	125	223	2	**8216011675**
17.0	125	223	2	**8216011700**
17.25	130	228	2	**8216011725**
17.5	130	228	2	**8216011750**
17.75	130	228	2	**8216011775**
18.0	130	228	2	**8216011800**
18.25	135	233	2	**8216011825**
18.5	135	233	2	**8216011850**
18.75	135	233	2	**8216011875**
19.0	135	233	2	**8216011900**
19.25	140	238	2	**8216011925**
19.5	140	238	2	**8216011950**
19.75	140	238	2	**8216011975**
20.0	140	238	2	**8216012000**
20.25	145	243	2	**8216012025**

Size	Fl Lth	O/All Lth	MTS No.	HSS
20.5	145	243	2	**8216012050**
20.75	145	243	2	**8216012075**
21.0	145	243	2	**8216012100**
21.25	150	248	2	**8216012125**
21.5	150	248	2	**8216012150**
21.75	150	248	2	**8216012175**
22.0	150	248	2	**8216012200**
22.25	150	248	2	**8216012225**
22.5	155	253	2	**8216012250**
22.75	155	253	2	**8216012275**
23.0	155	253	2	**8216012300**
23.25	155	276	3	**8216012325**
23.5	155	276	3	**8216012350**
23.75	160	281	3	**8216012375**
24.0	160	281	3	**8216012400**
24.25	160	281	3	**8216012425**
24.5	160	281	3	**8216012450**
24.75	160	281	3	**8216012475**
25.0	160	281	3	**8216012500**
25.25	165	286	3	**8216012525**
25.5	165	286	3	**8216012550**
25.75	165	286	3	**8216012575**
26.0	165	286	3	**8216012600**
26.25	165	286	3	**8216012625**
26.5	165	286	3	**8216012650**
26.75	170	291	3	**8216012675**
27.0	170	291	3	**8216012700**
27.25	170	291	3	**8216012725**
27.5	170	291	3	**8216012750**
27.75	170	291	3	**8216012775**
28.0	170	291	3	**8216012800**
28.25	175	296	3	**8216012825**

Imperial sizes available on request whilst stocks last



DIN 345 | HSS | 20 - 30° | 118° | h8 | 1 - 5

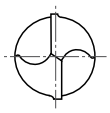
series 821601

Application
Drilling steels, cast steels alloyed and non-alloyed, grey cast iron, malleable cast iron and graphite.

Size	Fl Lth	O/All Lth	MTS No.	HSS
28.5	175	296	3	**8216012850**
28.75	175	296	3	**8216012875**
29.0	175	296	3	**8216012900**
29.25	175	296	3	**8216012925**
29.5	175	296	3	**8216012950**
29.75	175	296	3	**8216012975**
30.0	175	296	3	**8216013000**
30.25	180	301	3	**8216013025**
30.5	180	301	3	**8216013050**
30.75	180	301	3	**8216013075**
31.0	180	301	3	**8216013100**
31.25	180	301	3	**8216013125**
31.5	180	301	3	**8216013150**
31.75	185	306	3	**8216013175**
32.0	185	334	4	**8216013200**
32.5	185	334	4	**8216013250**
33.0	185	334	4	**8216013300**
33.5	185	334	4	**8216013350**
34.0	190	339	4	**8216013400**
34.5	190	339	4	**8216013450**
35.0	190	339	4	**8216013500**
35.5	190	339	4	**8216013550**
36.0	195	344	4	**8216013600**
36.5	195	344	4	**8216013650**
37.0	195	344	4	**8216013700**
37.5	195	344	4	**8216013750**
38.0	200	349	4	**8216013800**
38.5	200	349	4	**8216013850**
39.0	200	349	4	**8216013900**
39.5	200	349	4	**8216013950**
40.0	200	349	4	**8216014000**

Size	Fl Lth	O/All Lth	MTS No.	HSS
40.5	205	354	4	**8216014050**
41.0	205	354	4	**8216014100**
41.5	205	354	4	**8216014150**
42.0	205	354	4	**8216014200**
42.5	205	354	4	**8216014250**
43.0	210	359	4	**8216014300**
43.5	210	359	4	**8216014350**
44.0	210	359	4	**8216014400**
44.5	210	359	4	**8216014450**
45.0	210	359	4	**8216014500**
45.5	215	364	4	**8216014550**
46.0	215	364	4	**8216014600**
46.5	215	364	4	**8216014650**
47.0	215	364	4	**8216014700**
47.5	215	364	4	**8216014750**
48.0	220	369	4	**8216014800**
48.5	220	369	4	**8216014850**
49.0	220	369	4	**8216014900**
49.5	220	369	4	**8216014950**
50.0	220	369	4	**8216015000**
50.5	225	374	4	**8216015050**
51.0	225	412	5	**8216015100**
52.0	225	412	5	**8216015200**
53.0	225	412	5	**8216015300**
54.0	230	417	5	**8216015400**
55.0	230	417	5	**8216015500**
56.0	230	417	5	**8216015600**
57.0	235	422	5	**8216015700**
58.0	235	422	5	**8216015800**
59.0	235	422	5	**8216015900**
60.0	235	422	5	**8216016000**

Imperial sizes available on request whilst stocks last



STEAM TEMP | HSS | 118° | h8 | h6

series 821901

Application
Reduced 1/2” shank for when chuck capacity is limited

Size	Flute Length	Overall Length	Shank Diameter	HSS
13.0	75	150	1/2”	**8219011300**
13.5	75	150	1/2”	**8219011350**
14.0	75	150	1/2”	**8219011400**
14.5	75	150	1/2”	**8219011450**
15.0	75	150	1/2”	**8219011500**
15.5	75	150	1/2”	**8219011550**
16.0	75	150	1/2”	**8219011600**
16.5	75	150	1/2”	**8219011650**
17.0	75	150	1/2”	**8219011700**
17.5	75	150	1/2”	**8219011750**
18.0	75	150	1/2”	**8219011800**
18.5	75	150	1/2”	**8219011850**
19.0	75	150	1/2”	**8219011900**
19.5	75	150	1/2”	**8219011950**
20.0	75	150	1/2”	**8219012000**
21.0	75	150	1/2”	**8219012100**
22.0	75	150	1/2”	**8219012200**
23.0	75	150	1/2”	**8219012300**
24.0	75	150	1/2”	**8219012400**
25.0	75	150	1/2”	**8219012500**

Imperial sizes available on request whilst stocks last

series 888301

BS328 | HSS | 118° | Bright

Application
Combined drill and countersink. Form A, 60°

series 810334

DIN 333 | HSS EX | 120° | k12 | h8

Application
Combined drill and countersink. Form A, 60°

Size	Pilot Dia.	Body Dia.	Pilot Length max	Pilot Length min	O/all Length	HSS
BS1	3/64	1/8	5/64	1/16	1.1/2	**8883010010**
BS2	1/16	3/16	3/32	5/64	1.3/4	**8883010020**
BS3	3/32	1/4	5/32	1/8	2”	**8883010030**
BS4	1/8	5/16	3/16	5/32	2.1/4	**8883010040**
BS5	3/16	7/16	9/32	1/4	2.1/2	**8883010050**
BS6	1/4	5/8	3/8	5/16	3”	**8883010060**
BS7	5/16	3/4	15/32	13/32	3.1/2	**8883010070**

Size	Body Dia.	Pilot Length	O/all Length	HSS-EX
0.5	3.15	0.8	25.0	**8103340050**
0.8	3.15	1.1	25.0	**8103340080**
1.0	3.15	1.3	31.5	**8103340100**
1.25	3.15	1.6	31.5	**8103340125**
1.6	4.0	2.0	35.5	**8103340160**
2.0	5.0	2.5	40.0	**8103340200**
2.5	6.3	3.1	45.0	**8103340250**
3.15	8.0	3.9	50.0	**8103340315**
4.0	10.0	5.0	56.0	**8103340400**
5.0	12.5	6.3	63.0	**8103340500**
6.3	16.0	8.0	71.0	**8103340630**

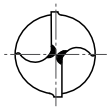
Under 1.0mm: Single ended

SPOTTING DRILLS

series 821402

NC | HSS Co8 | 90° | h6 | h6

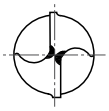
Application
For more precise centering work on NC/CNC machines.
Can be used for chamfering after centering.



series 822402

NC | HSS Co8 | 120° | h6 | h6

Application
For more precise centering work on NC/CNC machines.
Can be used for chamfering after centering.



Size	Flute Length	Overall Length	90°	120°
3.0	12	46	**8214020300**	**8224020300**
4.0	12	55	**8214020400**	**8224020400**
5.0	15	60	**8214020500**	**8224020500**
6.0	20	66	**8214020600**	**8224020600**
8.0	25	79	**8214020800**	**8224020800**
10.0	25	89	**8214021000**	**8224021000**
12.0	30	102	**8214021200**	**8224021200**
16.0	35	115	**8214021600**	**8224021600**
20.0	40	131	**8214022000**	**8224022000**

JOBBER DRILL SETS

Size Range	Increment	Set No.	No. of Drills	Drill Type	Code
1.0 to 10.0	**0.5**	19M	19	HSS GOLDEX	**810504SET2**
1.0 to 13.0	**0.5**	25M	25	HSS GOLDEX	**810504SET1**
1.0 to 10.0	**0.5**	19M	19	HSS-E GOLDEX	**810505SET2**
1.0 to 13.0	**0.5**	25M	25	HSS-E GOLDEX	**810505SET1**
1.0 to 10.0	**0.5**	19M	19	HSS-Co8	**820702SET2**
1.0 to 13.0	**0.5**	25M	25	HSS-Co8	**820702SET1**
1.0 to 10.0	**0.5**	19M	19	HSS	**820801SET2**
1.0 to 13.0	**0.5**	25M	25	HSS	**820801SET1**
1.0 to 5.9	**0.1**	M4	50	HSS	**820801SET3**
6.0 to 10.0	**0.1**	M5	41	HSS	**820801SET4**

DIN 206 | HSS | LH7° | H7

series 451301

Application
Left hand spiral flutes - right hand cutting.
Nominal diameter tolerances: DIN1420, H7

Size	Fl Lth	O/All Lth	No. of Flutes	HSS
2.0	25	50	4	**4513010200**
2.2	27	54	4	**4513010220**
2.5	29	58	4	**4513010250**
2.8	31	62	4	**4513010280**
3.0	31	62	6	**4513010300**
3.2	33	66	6	**4513010320**
3.5	35	71	6	**4513010350**
4.0	38	76	6	**4513010400**
4.5	41	81	6	**4513010450**
5.0	44	87	6	**4513010500**
5.5	47	93	6	**4513010550**
6.0	47	93	6	**4513010600**
7.0	54	107	6	**4513010700**
8.0	58	115	6	**4513010800**
9.0	62	124	6	**4513010900**
10.0	66	133	6	**4513011000**
11.0	71	142	6	**4513011100**
12.0	76	152	6	**4513011200**
13.0	76	152	6	**4513011300**
14.0	81	163	8	**4513011400**
15.0	81	163	8	**4513011500**
16.0	87	175	8	**4513011600**
17.0	87	175	8	**4513011700**
18.0	93	188	8	**4513011800**
19.0	93	188	8	**4513011900**
20.0	100	201	8	**4513012000**
22.0	107	215	8	**4513012200**
24.0	115	231	8	**4513012400**

Size	Fl Lth	O/All Lth	No. of Flutes	HSS
25.0	115	231	8	**4513012500**
26.0	115	231	8	**4513012600**
27.0	124	247	10	**4513012700**
28.0	124	247	10	**4513012800**
29.0	124	247	10	**4513012900**
30.0	124	247	10	**4513013000**
31.0	133	265	10	**4513013100**
32.0	133	265	10	**4513013200**
33.0	133	265	10	**4513013300**
34.0	142	284	10	**4513013400**
35.0	142	284	10	**4513013500**
36.0	142	284	10	**4513013600**
37.0	142	284	10	**4513013700**
38.0	152	305	10	**4513013800**
38.1	152	305	10	**4513013810**
39.0	152	305	10	**4513013900**
40.0	152	305	10	**4513014000**
41.0	152	305	12	**4513014100**
42.0	152	305	12	**4513014200**
43.0	163	326	12	**4513014300**
44.0	163	326	12	**4513014400**
45.0	163	326	12	**4513014500**
46.0	163	326	12	**4513014600**
47.0	163	326	12	**4513014700**
48.0	174	347	12	**4513014800**
49.0	174	347	12	**4513014900**
52.0	174	347	12	**4513015200**
60.0	184	367	12	**4513016000**

Imperial sizes available on request whilst stocks last

TAPER SHANK REAMERS

DIN 338 | HSS | LH7° | H7

series 457301

Application
Left hand spiral flutes - right hand cutting.
Nominal diameter tolerances: DIN1420, H7

Size	Fl Lth	O/All Lth	MTS No.	HSS
3.0	31	104	1	**4573010200**
3.5	35	109	1	**4573010220**
4.0	38	112	1	**4573010250**
4.5	41	115	1	**4573010280**
5.0	44	118	1	**4573010300**
5.5	48	125	1	**4573010320**
6.0	48	125	1	**4573010350**
6.5	50	130	1	**4573010400**
7.0	54	134	1	**4573010450**
7.5	54	134	1	**4573010500**
8.0	58	138	1	**4573010550**
8.5	58	138	1	**4573010600**
9.0	62	141	1	**4573010700**
9.5	62	141	1	**4573010800**
10.0	67	146	1	**4573010900**
10.5	67	146	1	**4573011000**
11.0	71	151	1	**4573011100**
11.5	71	151	1	**4573011200**
12.0	76	156	1	**4573011300**

Size	Fl Lth	O/All Lth	MTS No.	HSS
12.5	76	156	1	**4573012500**
13.0	76	156	1	**4573012600**
14.0	81	160	1	**4573012700**
15.0	81	181	2	**4573012800**
16.0	87	187	2	**4573012900**
17.0	87	187	2	**4573013000**
18.0	94	194	2	**4573013100**
19.0	94	194	2	**4573013200**
20.0	100	200	2	**4573013300**
21.0	100	200	2	**4573013400**
22.0	106	206	2	**4573013500**
23.0	106	206	2	**4573013600**
24.0	114	241	3	**4573013700**
25.0	114	241	3	**4573013800**
26.0	114	241	3	**4573013810**
27.0	124	251	3	**4573013900**
28.0	124	251	3	**4573014000**
30.0	124	251	3	**4573014100**
32.0	133	294	4	**4573014200**

Imperial sizes available on request whilst stocks last

DIN 335C | HSS | HSS Co8 | 90°

series 702301, 702302

Application
3-flute self centering for reduced vibration.
For any screw with 90° head.

Size	Diameter min/max	Shank Diameter	Overall Length	HSS	HSS-Co8
4.3	1.3 - 4.3	4	40	**7023010430**	**7023020430**
5.0	1.5 - 5.0	4	40	**7023010500**	**7023020500**
6.0	1.5 - 6.0	5	45	**7023010600**	**7023020600**
6.3	1.5 - 6.3	5	45	**7023010630**	**7023020630**
7.0	1.8 - 7.0	6	50	**7023010700**	**7023020700**
8.0	2.0 - 8.0	6	50	**7023010800**	**7023020800**
8.3	2.0 - 8.3	6	50	**7023010830**	**7023020830**
10.0	2.5 - 10.0	6	50	**7023011000**	**7023021000**
10.4	2.5 - 10.4	6	50	**70230111040**	**70230211040**
11.5	2.8 - 11.5	8	56	**70230111150**	**70230211150**
12.4	2.8 - 12.4	8	56	**70230111240**	**70230211240**
15.0	3.2 - 15.0	10	60	**70230111500**	**70230211500**
16.5	3.2 - 16.5	10	60	**70230111650**	**70230211650**
19.0	3.5 - 19.0	10	63	**7023011900**	**7023021900**
20.5	3.5 - 20.5	10	63	**7023012050**	**7023022050**
23.0	3.8 - 23.0	10	67	**7023012300**	**7023022300**
25.0	3.8 - 25.0	10	67	**7023012500**	**7023022500**
30.0	4.2 - 30.0	12	71	**7023013000**	**7023023000**
31.0	4.2 - 31.0	12	71	**7023013100**	**7023023100**

TiN coating available on request

DEBURRING TOOL

HSS Co8

90°

series 702402

Application
90° hole type for reduced vibration.
For thin sheet and plastics

Size	Diameter min/max	Shank Diameter	Overall Length	HSS-Co8
10.0	2.0 - 5.0	6	45	**7024021000**
15.0	6.0 - 14.0	8	55	**7024021500**
20.0	8.0 - 18.0	10	65	**7024022000**
25.0	10.0 - 23.0	12	78	**7024022500**
30.0	12.0 - 28.0	12	88	**7024023000**
35.0	14.0 - 33.0	16	110	**7024023500**
40.0	16.0 - 38.0	16	115	**7024024000**
45.0	18.0 - 43.0	16	120	**7024024500**
50.0	20.0 - 48.0	16	130	**7024025000**

TiN coating available on request

ISO529 /BS949 | HSS | Bright | 6H

series F011, G011

Application
For Metric Coarse threads

Size	Pitch	Overall Length	Flute Length	Tapping Drill	Taper	Second	Bottoming	Set (3)
M1	0.25	38.5	5.5	0.75	**F0110039**	**F0110040**	**F0110041**	**G0110039**
M1.4	0.3	40.0	7.0	1.1	**F0110055**	**F0110056**	**F0110057**	**G0110055**
M1.6	0.35	41.0	8.0	1.25	**F0110063**	**F0110064**	**F0110065**	**G0110063**
M1.8	0.35	41.0	8.0	1.45	**F0110071**	**F0110072**	**F0110073**	**G0110071**
M2	0.4	41.0	9.5	1.6	**F0110079**	**F0110080**	**F0110081**	**G0110079**
M2.2	0.45	44.5	9.5	1.75	**F0110087**	**F0110088**	**F0110089**	**G0110087**
M2.5	0.45	44.5	9.5	2.05	**F0110098**	**F0110099**	**F0110100**	**G0110098**
M3	0.5	48.0	15.0	2.5	**F0110117**	**F0110118**	**F0110119**	**G0110117**
M3.5	0.6	50.0	17.0	2.9	**F0110137**	**F0110138**	**F0110139**	**G0110137**
M4	0.7	53.0	17.0	3.3	**F0110158**	**F0110159**	**F0110160**	**G0110158**
M4.5	0.75	53.0	17.0	3.75	**F0110177**	**F0110178**	**F0110179**	**G0110177**
M5	0.8	58.0	19.0	4.2	**F0110197**	**F0110198**	**F0110199**	**G0110197**
M6	1.0	66.0	19.0	5.0	**F0110236**	**F0110237**	**F0110238**	**G0110236**
M7	1.0	66.0	19.0	6.0	**F0110276**	**F0110277**	**F0110278**	**G0110276**
M8	1.25	72.0	22.0	6.75	**F0110315**	**F0110316**	**F0110317**	**G0110315**
M9	1.25	72.0	22.0	7.75	**F0110354**	**F0110355**	**F0110356**	**G0110354**
M10	1.5	80.0	24.0	8.5	**F0110394**	**F0110395**	**F0110396**	**G0110394**
M11	1.5	85.0	25.0	9.5	**F0110433**	**F0110434**	**F0110435**	**G0110433**
M12	1.75	89.0	29.0	10.2	**F0110472**	**F0110473**	**F0110474**	**G0110472**
M14	2.0	95.0	30.0	12.0	**F0110551**	**F0110552**	**F0110553**	**G0110551**
M16	2.0	102.0	32.0	14.0	**F0110630**	**F0110631**	**F0110632**	**G0110630**
M18	2.5	112.0	37.0	15.5	**F0110709**	**F0110710**	**F0110711**	**G0110709**
M20	2.5	112.0	37.0	17.5	**F0110787**	**F0110788**	**F0110789**	**G0110787**

Larger sizes available on request whilst stocks last.
Other threadforms available on request whilst stocks last.

ISO529 /BS949 | HSS | Bright | 6H

series F021, G021

Application
For Metric Fine threads

Size	Pitch	Overall Length	Flute Length	Tapping Drill	Taper	Second	Bottoming	Set (3)
M3	0.35	48.0	15.0	2.65	**F0210117**	**F0210118**	**F0210119**	**G0210117**
M3.5	0.35	50.0	17.0	3.15	**F0210137**	**F0210138**	**F0210139**	**G0210137**
M4	0.5	53.0	17.0	3.5	**F0210158**	**F0210159**	**F0210160**	**G0210158**
M4.5	0.5	53.0	17.0	4.0	**F0210177**	**F0210178**	**F0210179**	**G0210177**
M5	0.5	58.0	19.0	4.5	**F0210197**	**F0210198**	**F0210199**	**G0210197**
M6	0.5	66.0	19.0	5.5	**F0310236**	**F0310237**	**F0310238**	**G0310236**
M6	0.75	66.0	19.0	5.25	**F0210236**	**F0210237**	**F0210238**	**G0210236**
M7	0.75	66.0	19.0	6.25	**F0210276**	**F0210277**	**F0210278**	**G0210276**
M8	0.5	72.0	22.0	7.5	**F0410315**	**F0410316**	**F0410317**	**G0410315**
M8	0.75	72.0	22.0	8.25	**F0310315**	**F0310316**	**F0310317**	**G0310315**
M8	1.0	72.0	22.0	7.0	**F0210315**	**F0210316**	**F0210317**	**G0210315**
M9	1.0	72.0	22.0	8.0	**F0210354**	**F0210355**	**F0210356**	**G0210354**
M10	0.75	80.0	24.0	9.25	**F0410394**	**F0410395**	**F0410396**	**G0410394**
M10	1.0	80.0	24.0	9.0	**F0310394**	**F0310395**	**F0310396**	**G0310394**
M10	1.25	80.0	24.0	8.75	**F0210394**	**F0210395**	**F0210396**	**G0210394**
M11	0.75	85.0	25.0	10.2	**F0410433**	**F0410434**	**F0410435**	**G0410433**
M11	1.0	85.0	25.0	10.0	**F0210433**	**F0210434**	**F0210435**	**G0210433**
M12	1.0	89.0	29.0	11.0	**F0410472**	**F0410473**	**F0410474**	**G0410472**
M12	1.25	89.0	29.0	10.8	**F0210472**	**F0210473**	**F0210474**	**G0210472**
M12	1.5	89.0	29.0	10.5	**F0310472**	**F0310473**	**F0310474**	**G0310472**
M14	1.0	95.0	30.0	13.0	**F0410551**	**F0410552**	**F0410553**	**G0410551**
M14	1.25	95.0	30.0	12.8	**F0310551**	**F0310552**	**F0310553**	**G0310551**
M14	1.5	95.0	30.0	12.5	**F0210551**	**F0210552**	**F0210553**	**G0210551**
M16	1.0	102.0	32.0	15.0	**F0410630**	**F0410631**	**F0410632**	**G0410630**
M16	1.5	102.0	32.0	14.5	**F0210630**	**F0210631**	**F0210632**	**G0210630**
M18	1.0	112.0	37.0	17.0	**F0410709**	**F0410710**	**F0410711**	**G0410709**
M18	1.5	112.0	37.0	16.5	**F0210709**	**F0210710**	**F0210711**	**G0210709**
M18	2.0	112.0	37.0	16.0	**F0310709**	**F0310710**	**F0310711**	**G0310709**
M20	1.0	112.0	37.0	19.0	**F0410787**	**F0410788**	**F0410789**	**G0410787**
M20	1.5	112.0	37.0	18.5	**F0210787**	**F0210788**	**F0210789**	**G0210787**
M20	2.0	112.0	37.0	18.0	**F0310787**	**F0310788**	**F0310789**	**G0310787**

Larger sizes available on request whilst stocks last.
Other threadforms available on request whilst stocks last.

ISO529 /BS949 | HSS | Bright | 2B

series F091, G091

Application
For UNC threads

Size	TPI	Overall Length	Flute Length	Tapping Drill	Taper	Second	Bottoming	Set (3)
No.1	64	41.0	8.0	1.55	**F0910073**	**F0910074**	**F0910075**	**G0910073**
No.2	56	44.5	9.5	1.85	**F0910086**	**F0910087**	**F0910088**	**G0910086**
No.3	48	44.5	9.5	2.1	**F0910099**	**F0910100**	**F0910101**	**G0910099**
No.4	40	48.0	15.0	2.35	**F0910112**	**F0910113**	**F0910114**	**G0910112**
No.5	40	48.0	15.0	2.65	**F0910124**	**F0910125**	**F0910126**	**G0910124**
No.6	32	50.0	17.0	2.85	**F0910138**	**F0910139**	**F0910140**	**G0910138**
No.8	32	53.0	17.0	3.5	**F0910164**	**F0910165**	**F0910166**	**G0910164**
No.10	24	58.0	17.0	3.9	**F0910190**	**F0910191**	**F0910192**	**G0910190**
No.12	24	62.0	17.0	4.5	**F0910216**	**F0910217**	**F0910218**	**G0910216**
1/4	20	66.0	19.0	5.1	**F0910250**	**F0910251**	**F0910252**	**G0910250**
5/16	18	72.0	22.0	6.6	**F0910312**	**F0910313**	**F0910314**	**G0910312**
3/8	16	80.0	24.0	8.0	**F0910375**	**F0910376**	**F0910377**	**G0910375**
7/16	14	85.0	25.0	9.4	**F0910438**	**F0910439**	**F0910440**	**G0910438**
1/2	13	89.0	29.0	10.8	**F0910500**	**F0910501**	**F0910502**	**G0910500**
9/16	12	95.0	30.0	12.2	**F0910562**	**F0910563**	**F0910564**	**G0910562**
5/8	11	102.0	32.0	13.5	**F0910625**	**F0910626**	**F0910627**	**G0910625**
3/4	10	112.0	37.0	16.5	**F0910750**	**F0910751**	**F0910752**	**G0910750**
7/8	9	118.0	38.0	19.5	**F0910875**	**F0910876**	**F0910877**	**G0910875**
1”	8	130.0	45.0	22.25	**F0911000**	**F0911001**	**F0911002**	**G0911000**

Larger sizes available on request whilst stocks last.
Other threadforms available on request whilst stocks last.

ISO529 /BS949 | HSS | Bright | 2B

series F101, G101

Application
For UNF threads

Size	TPI	Overall Length	Flute Length	Tapping Drill	Taper	Second	Bottoming	Set (3)
No.0	80	41.0	8.0	1.25	**F1010060**	**F1010061**	**F1010062**	**G1010060**
No.1	72	41.0	8.0	1.55	**F1010073**	**F1010074**	**F1010075**	**G1010073**
No.2	64	44.5	9.5	1.9	**F1010086**	**F1010087**	**F1010088**	**G1010086**
No.3	56	44.5	9.5	2.15	**F1010099**	**F1010100**	**F1010101**	**G1010099**
No.4	48	48.0	15.0	2.4	**F1010112**	**F1010113**	**F1010114**	**G1010112**
No.5	44	48.0	15.0	2.7	**F1010124**	**F1010125**	**F1010126**	**G1010124**
No.6	40	50.0	17.0	2.95	**F1010138**	**F1010139**	**F1010140**	**G1010138**
No.8	36	53.0	17.0	3.5	**F1010164**	**F1010165**	**F1010166**	**G1010164**
No.10	32	58.0	17.0	4.1	**F1010190**	**F1010191**	**F1010192**	**G1010190**
No.12	28	62.0	17.0	4.7	**F1010216**	**F1010217**	**F1010218**	**G1010216**
1/4	28	66.0	19.0	5.5	**F1010250**	**F1010251**	**F1010252**	**G1010250**
5/16	24	72.0	22.0	6.9	**F1010312**	**F1010313**	**F1010314**	**G1010312**
3/8	24	80.0	24.0	8.5	**F1010375**	**F1010376**	**F1010377**	**G1010375**
7/16	20	85.0	25.0	9.9	**F1010438**	**F1010439**	**F1010440**	**G1010438**
1/2	20	89.0	29.0	11.5	**F1010500**	**F1010501**	**F1010502**	**G1010500**
9/16	18	95.0	30.0	12.9	**F1010562**	**F1010563**	**F1010564**	**G1010562**
5/8	18	102.0	32.0	14.5	**F1010625**	**F1010626**	**F1010627**	**G1010625**
3/4	16	112.0	37.0	17.5	**F1010750**	**F1010751**	**F1010752**	**G1010750**
7/8	14	118.0	38.0	20.4	**F1010875**	**F1010876**	**F1010877**	**G1010875**
1”	12	130.0	45.0	23.25	**F1011000**	**F1011001**	**F1011002**	**G1011000**

Larger sizes available on request whilst stocks last.
Other threadforms available on request whilst stocks last.

ISO2284 /BS949 | HSS | Bright | G-Series

series F301, G301

Application
For BSPF threads

Size	TPI	Overall Length	Flute Length	Tapping Drill	Taper	Second	Bottoming	Set (3)
1/8	28	59.0	15.0	8.8	**F3010125**	**F3010126**	**F3010127**	**G3010125**
1/4	19	67.0	19.0	11.8	**F3010250**	**F3010251**	**F3010252**	**G3010250**
3/8	19	75.0	21.0	15.25	**F3010375**	**F3010376**	**F3010377**	**G3010375**
1/2	14	87.0	26.0	19.0	**F3010500**	**F3010501**	**F3010502**	**G3010500**
5/8	14	91.0	26.0	21.0	**F3010625**	**F3010626**	**F3010627**	**G3010625**
3/4	14	96.0	28.0	24.5	**F3010750**	**F3010751**	**F3010752**	**G3010750**
7/8	14	102.0	29.0	28.25	**F3010875**	**F3010876**	**F3010877**	**G3010875**
1”	11	109.0	33.0	30.75	**F3011000**	**F3011001**	**F3011002**	**G3011000**

Larger sizes available on request whilst stocks last.
Other threadforms available on request whilst stocks last.

ISO2284 /BS949 | HSS | Bright | Rc-Series

series F311, G311

Application
For BSPT threads

Size	TPI	Overall Length	Flute Length	Tapping Drill	Taper	Second	Bottoming	Set (3)
1/8	28	59.0	15.0	8.8	**F3110125**	**F3110126**	**F3110127**	**G3110125**
1/4	19	67.0	19.0	11.8	**F3110250**	**F3110251**	**F3110252**	**G3110250**
3/8	19	75.0	21.0	15.25	**F3110375**	**F3110376**	**F3110377**	**G3110375**
1/2	14	87.0	26.0	19.0	**F3110500**	**F3110501**	**F3110502**	**G3110500**
5/8	14	91.0	26.0	21.0	**F3110625**	**F3110626**	**F3110627**	**G3110625**
3/4	14	96.0	28.0	24.5	**F3110750**	**F3110751**	**F3110752**	**G3110750**
7/8	14	102.0	29.0	28.25	**F3110875**	**F3110876**	**F3110877**	**G3110875**
1”	11	109.0	33.0	30.75	**F3111000**	**F3111001**	**F3111002**	**G3111000**

Larger sizes available on request whilst stocks last.
Other threadforms available on request whilst stocks last.

BLUE WIZARD TAPS

ISO529 /BS949 | HSS | VAP | 6H

series F013

Application
Spiral Point for Metric Coarse threads

Size	Pitch	Overall Length	Flute Length	Tapping Drill	Shank Diameter	Square Across Flats	z	HSS
M1.6	0.35	41.0	8.0	1.25	2.5	2.0	2	**F0130066**
M2	0.4	41.0	9.5	1.6	2.5	2.0	2	**F0130082**
M2.5	0.45	44.5	9.5	2.05	2.8	2.24	2	**F0130101**
M3	0.5	48.0	15.0	2.5	3.15	2.5	2	**F0130120**
M3.5	0.6	50.0	17.0	2.9	3.55	2.8	2	**F0130140**
M4	0.7	53.0	17.0	3.3	4.0	3.15	2	**F0130161**
M4.5	0.75	53.0	17.0	3.75	4.5	3.55	2	**F0130180**
M5	0.8	58.0	19.0	4.2	5.0	4.0	3	**F0130200**
M6	1.0	66.0	19.0	5.0	6.3	5.0	3	**F0130239**
M7	1.0	66.0	19.0	6.0	7.1	5.6	3	**F0130279**
M8	1.25	72.0	22.0	6.75	8.0	6.3	3	**F0130318**
M10	1.5	80.0	24.0	8.5	10.0	8.0	3	**F0130397**
M12	1.75	89.0	29.0	10.2	9.0	7.1	3	**F0130475**
M14	2.0	95.0	30.0	12.0	11.2	9.0	3	**F0130554**
M16	2.0	102.0	32.0	14.0	12.5	10.0	3	**F0130633**
M18	2.5	112.0	37.0	15.5	14.0	11.2	3	**F0130712**
M20	2.5	112.0	37.0	17.5	14.0	11.2	3	**F0130790**

Larger sizes available on request whilst stocks last.
Other threadforms available on request whilst stocks last.

BLUE WIZARD TAPS

ISO529 /BS949 | HSS | VAP | 6H

series F023,F033

Application
Spiral Point for Metric Fine threads

Size	Pitch	Overall Length	Flute Length	Tapping Drill	Shank Diameter	Square Across Flats	z	HSS
M4	0.5	53.0	17.0	3.5	4.0	3.15	2	**F0230161**
M5	0.5	58.0	18.0	4.5	5.0	4.0	3	**F0230200**
M6	0.75	66.0	19.0	5.25	6.3	5.0	3	**F0230239**
M8	1.0	72.0	22.0	7.0	8.0	6.3	3	**F0230318**
M10	1.0	80.0	24.0	9.0	10.0	8.0	3	**F0330397**
M10	1.25	80.0	24.0	8.75	10.0	8.0	3	**F0230397**
M12	1.25	89.0	29.0	10.8	9.0	7.1	3	**F0230475**
M12	1.5	89.0	29.0	10.5	9.0	7.1	3	**F0330475**
M14	1.25	95.0	30.0	12.8	11.2	9.0	3	**F0330554**
M14	1.5	95.0	30.0	12.5	11.2	9.0	3	**F0230554**
M16	1.5	102.0	32.0	14.5	12.5	10.0	3	**F0230633**
M18	1.5	112.0	37.0	16.5	14.0	11.2	3	**F0230712**
M20	1.5	112.0	37.0	18.5	14.0	11.2	3	**F0230790**

Larger sizes available on request whilst stocks last.
Other threadforms available on request whilst stocks last.

BLUE WIZARD TAPS

ISO529 /BS949 | HSS | VAP | 2B

series F093

Application
Spiral Point for UNC threads

Size	TPI	Overall Length	Flute Length	Tapping Drill	Shank Diameter	Square Across Flats	z	HSS
No.1	64	41.0	8.0	1.55	2.5	2.0	2	**F0930076**
No.2	56	44.5	9.5	1.85	2.8	2.24	2	**F0930089**
No.3	48	44.5	9.5	2.1	2.8	2.24	2	**F0930102**
No.4	40	48.0	15.0	2.35	3.15	2.5	2	**F0930115**
No.5	40	48.0	15.0	2.65	3.15	2.5	2	**F0930127**
No.6	32	50.0	17.0	2.85	3.55	2.8	2	**F0930141**
No.8	32	53.0	17.0	3.5	4.5	3.55	2	**F0930167**
No.10	24	58.0	17.0	3.9	5.0	4.0	3	**F0930193**
No.12	24	62.0	17.0	4.5	5.6	4.5	3	**F0930219**
1/4	20	66.0	19.0	5.1	6.3	5.0	3	**F0930253**
5/16	18	72.0	22.0	6.6	8.0	6.3	3	**F0930315**
3/8	16	80.0	24.0	8.0	10.0	8.0	3	**F0930378**
7/16	14	85.0	25.0	9.4	8.0	6.3	3	**F0930441**
1/2	13	89.0	29.0	10.8	9.0	7.1	3	**F0930503**
9/16	12	95.0	30.0	12.2	11.2	9.0	3	**F0930565**
5/8	11	102.0	32.0	13.5	12.5	10.0	3	**F0930628**
3/4	10	112.0	37.0	16.5	14.0	11.2	3	**F0930753**
7/8	9	118.0	38.0	19.5	16.0	12.5	3	**F0930878**
1”	8	130.0	45.0	22.25	18.0	14.0	3	**F0931003**

Larger sizes available on request whilst stocks last.
Other threadforms available on request whilst stocks last.

BLUE WIZARD TAPS

ISO529 /BS949 | HSS | VAP | 2B

series F103

Application
Spiral Point for UNF threads

Size	TPI	Overall Length	Flute Length	Tapping Drill	Shank Diameter	Square Across Flats	z	HSS
No.0	80	41.0	8.0	1.25	2.5	2.0	2	**F1030063**
No.1	72	41.0	8.0	1.55	2.5	2.0	2	**F1030076**
No.2	64	44.5	9.5	1.9	2.8	2.24	2	**F1030089**
No.3	56	44.5	9.5	2.15	2.8	2.24	2	**F1030102**
No.4	48	48.0	15.0	2.4	3.15	2.5	2	**F1030115**
No.5	44	48.0	15.0	2.7	3.15	2.5	2	**F1030127**
No.6	40	50.0	17.0	2.95	3.55	2.8	2	**F1030141**
No.8	36	53.0	17.0	3.5	4.5	3.55	2	**F1030167**
No.10	32	58.0	17.0	4.1	5.0	4.0	3	**F1030193**
No.12	28	62.0	17.0	4.7	5.6	4.5	3	**F1030219**
1/4	28	66.0	19.0	5.5	6.3	5.0	3	**F1030253**
5/16	24	72.0	22.0	6.9	8.0	6.3	3	**F1030315**
3/8	24	80.0	24.0	8.5	10.0	8.0	3	**F1030378**
7/16	20	85.0	25.0	9.9	8.0	6.3	3	**F1030441**
1/2	20	89.0	29.0	11.5	9.0	7.1	3	**F1030503**
9/16	18	95.0	30.0	12.9	11.2	9.0	3	**F1030565**
5/8	18	102.0	32.0	14.5	12.5	10.0	3	**F1030628**
3/4	16	112.0	37.0	17.5	14.0	11.2	3	**F1030753**
7/8	14	118.0	38.0	20.4	16.0	12.5	3	**F1030878**
1”	12	130.0	45.0	23.25	18.0	14.0	3	**F1031003**

Larger sizes available on request whilst stocks last.
Other threadforms available on request whilst stocks last.

BLUE MERLIN TAPS

ISO529 /BS949 | HSS | VAP | 6H

series F015

Application
Spiral Flute for Metric Coarse threads

Size	Pitch	Overall Length	Flute Length	Tapping Drill	Shank Diameter	Square Across Flats	z	HSS
M3	0.5	48.0	15.0	2.5	3.15	2.5	2	**F0150121**
M3.5	0.6	50.0	17.0	2.9	3.55	2.8	2	**F0150141**
M4	0.7	53.0	17.0	3.3	4.0	3.15	2	**F0150161**
M5	0.8	58.0	19.0	4.2	5.0	4.0	3	**F0150200**
M6	1.0	66.0	19.0	5.0	6.3	5.0	3	**F0150240**
M7	1.0	66.0	19.0	6.0	7.1	5.6	3	**F0150280**
M8	1.25	72.0	22.0	6.75	8.0	6.3	3	**F0150319**
M10	1.5	80.0	24.0	8.5	10.0	8.0	3	**F0150398**
M12	1.75	89.0	29.0	10.2	9.0	7.1	3	**F0150476**
M14	2.0	95.0	30.0	12.0	11.2	9.0	3	**F0150555**
M16	2.0	102.0	32.0	14.0	12.5	10.0	3	**F0150634**
M18	2.5	112.0	37.0	15.5	14.0	11.2	3	**F0150713**
M20	2.5	112.0	37.0	17.5	14.0	11.2	3	**F0150791**

Larger sizes available on request whilst stocks last.
Other threadforms available on request whilst stocks last.

BLUE MERLIN TAPS

ISO529 /BS949 | HSS | VAP | 6H

series F025,F035

Application
Spiral Flute for Metric Fine threads

Size	Pitch	Overall Length	Flute Length	Tapping Drill	Shank Diameter	Square Across Flats	z	HSS
M4	0.5	53.0	17.0	3.5	4.0	3.15	2	**F0250161**
M5	0.5	58.0	18.0	4.5	5.0	4.0	3	**F0250200**
M6	0.75	66.0	19.0	5.25	6.3	5.0	3	**F0250240**
M8	1.0	72.0	22.0	7.0	8.0	6.3	3	**F0250319**
M10	1.0	80.0	24.0	9.0	10.0	8.0	3	**F0350398**
M10	1.25	80.0	24.0	8.75	10.0	8.0	3	**F0250399**
M12	1.25	89.0	29.0	10.8	9.0	7.1	3	**F0250476**
M12	1.5	89.0	29.0	10.5	9.0	7.1	3	**F0350476**
M14	1.25	95.0	30.0	12.8	11.2	9.0	3	**F0350555**
M14	1.5	95.0	30.0	12.5	11.2	9.0	3	**F0250555**
M16	1.5	102.0	32.0	14.5	12.5	10.0	3	**F0250634**
M18	1.5	112.0	37.0	16.5	14.0	11.2	3	**F0250713**
M20	1.5	112.0	37.0	18.5	14.0	11.2	3	**F0250791**

Larger sizes available on request whilst stocks last.
Other threadforms available on request whilst stocks last.

BLUE MERLIN TAPS

ISO529 /BS949 | HSS | VAP | 2B

series F095

Application
Spiral Flute for UNC threads

Size	TPI	Overall Length	Flute Length	Tapping Drill	Shank Diameter	Square Across Flats	z	HSS
No.4	40	48.0	15.0	2.35	3.15	2.5	2	**F0950116**
No.5	40	48.0	15.0	2.65	3.15	2.5	2	**F0950128**
No.6	32	50.0	17.0	2.85	3.55	2.8	2	**F0950142**
No.8	32	53.0	17.0	3.5	4.5	3.55	2	**F0950168**
No.10	24	58.0	17.0	3.9	5.0	4.0	3	**F0950194**
1/4	20	66.0	19.0	5.1	6.3	5.0	3	**F0950254**
5/16	18	72.0	22.0	6.6	8.0	6.3	3	**F0950316**
3/8	16	80.0	24.0	8.0	10.0	8.0	3	**F0950379**
7/16	14	85.0	25.0	9.4	8.0	6.3	3	**F0950442**
1/2	13	89.0	29.0	10.8	9.0	7.1	3	**F0950504**
9/16	12	95.0	30.0	12.2	11.2	9.0	3	**F0950566**
5/8	11	102.0	32.0	13.5	12.5	10.0	3	**F0950629**
3/4	10	112.0	37.0	16.5	14.0	11.2	3	**F0950754**
7/8	9	118.0	38.0	19.5	16.0	12.5	3	**F0950879**
1”	8	130.0	45.0	22.25	18.0	14.0	3	**F0951004**

Larger sizes available on request whilst stocks last.
Other threadforms available on request whilst stocks last.

BLUE MERLIN TAPS

ISO529 /BS949 | HSS | VAP | 2B

series F105

Application
Spiral Flute for UNF threads

Size	TPI	Overall Length	Flute Length	Tapping Drill	Shank Diameter	Square Across Flats	z	HSS
No.4	48	48.0	15.0	2.4	3.15	2.5	2	**F1050116**
No.5	44	48.0	15.0	2.7	3.15	2.5	2	**F1050128**
No.6	40	50.0	17.0	2.95	3.55	2.8	2	**F1050142**
No.8	36	53.0	17.0	3.5	4.5	3.55	2	**F1050168**
No.10	32	58.0	17.0	4.1	5.0	4.0	3	**F1050194**
1/4	28	66.0	19.0	5.5	6.3	5.0	3	**F1050254**
5/16	24	72.0	22.0	6.9	8.0	6.3	3	**F1050316**
3/8	24	80.0	24.0	8.5	10.0	8.0	3	**F1050379**
7/16	20	85.0	25.0	9.9	8.0	6.3	3	**F1050442**
1/2	20	89.0	29.0	11.5	9.0	7.1	3	**F1050504**
9/16	18	95.0	30.0	12.9	11.2	9.0	3	**F1050566**
5/8	18	102.0	32.0	14.5	12.5	10.0	3	**F1050629**
3/4	16	112.0	37.0	17.5	14.0	11.2	3	**F1050754**
7/8	14	118.0	38.0	20.4	16.0	12.5	3	**F1050879**
1”	12	130.0	45.0	23.25	18.0	14.0	3	**F1051004**

Larger sizes available on request whilst stocks last.
Other threadforms available on request whilst stocks last.

DIN 357 | HSS-E | Bright | 6H

series TM5016

Application
Straight Flute for Metric Coarse threads

Size	Pitch	Overall Length	Flute Length	Tapping Drill	Shank Diameter	Square Across Flats	z	HSS-E
M4	0.7	90.0	25.0	3.3	2.8	2.1	4	**TM50160400**
M5	0.8	100.0	28.0	4.2	3.5	2.7	4	**TM50160500**
M6	1.0	110.0	32.0	5.0	4.5	3.4	4	**TM50160600**
M8	1.25	125.0	40.0	6.75	6.0	4.9	4	**TM50160800**
M10	1.5	140.0	45.0	8.5	7.0	5.5	4	**TM50161000**
M12	1.75	180.0	50.0	10.2	9.0	7.0	4	**TM50161200**
M14*	2.0	200.0	56.0	12.0	11.0	9.0	4	**TM50161400**
M16*	2.0	200.0	63.0	14.0	12.0	9.0	4	**TM50161600**
M18*	2.5	220.0	63.0	15.5	14.0	11.0	4	**TM50161800**
M20*	2.5	250.0	70.0	17.5	16.0	12.0	4	**TM50162000**

*Available to order only. Please check for delivery.

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BS1127 | HSS | Bright | SPLIT

series J011 - J015

Application
For Metric Coarse threads

Size	Pitch	Outside Diameter	Width	HSS
M1.6	0.35	13/16	1/4	**J0110063**
M2	0.4	13/16	1/4	**J0110079**
M2.5	0.45	13/16	1/4	**J0110098**
M3	0.5	13/16	1/4	**J0110118**
M3.5	0.6	13/16	1/4	**J0110138**
M4	0.7	13/16	1/4	**J0110159**
M4	0.7	1	3/8	**J0120161**
M4.5	0.75	13/16	1/4	**J0110178**
M5	0.8	13/16	1/4	**J0110198**
M5	0.8	1	3/8	**J0120200**
M6	1.0	13/16	1/4	**J0110237**
M6	1.0	1	3/8	**J0120238**
M6	1.0	1.5/16	7/16	**J0130239**
M8	1.25	1	3/8	**J0120316**
M8	1.25	1.5/16	7/16	**J0130317**
M10	1.5	1	3/8	**J0120396**
M10	1.5	1.5/16	7/16	**J0130397**
M10	1.5	1.1/2	1/2	**J0140398**
M12	1.75	1.5/16	7/16	**J0130473**
M12	1.75	1.1/2	1/2	**J0140474**
M12	1.75	2	5/8	**J0150475**
M14	2.0	1.5/16	7/16	**J0130553**
M14	2.0	1.1/2	1/2	**J0140554**
M14	2.0	2	5/8	**J0150555**
M16	2.0	1.1/2	1/2	**J0140631**
M16	2.0	2	5/8	**J0150632**
M18	2.5	1.1/2	1/2	**J0140710**
M18	2.5	2	5/8	**J0150710**
M20	2.5	1.1/2	1/2	**J0140788**
M20	2.5	2	5/8	**J0150788**

Other sizes available on request.
Other threadforms available on request whilst stocks last.

BS1127 HSS Bright SPLIT

series J011 - J015

Application
For Metric Fine threads

Size	Pitch	Outside Diameter	Width	HSS
M3	0.35	13/16	1/4	**J0110117**
M4	0.5	13/16	1/4	**J0120158**
M5	0.5	13/16	1/4	**J0110197**
M6	0.75	13/16	1/4	**J0110236**
M8	1.0	1	3/8	**J0120315**
M10	1.0	1	3/8	**J0120394**
M10	1.25	1	3/8	**J0120395**
M12	1.25	1.5/16	7/16	**J0130472**
M14	1.5	1.5/16	7/16	**J0130552**
M16	1.5	1.1/2	1/2	**J0140630**
M18	1.5	1.1/2	1/2	**J0140709**
M20	1.5	2	5/8	**J0150787**

Other sizes available on request.
Other threadforms available on request whilst stocks last.

BS1127 HSS Bright SPLIT

series J091 - J097

Application
For UNC threads

Size	TPI	Outside Diameter	Width	HSS
No.1	64	13/16	1/4	**J0910073**
No.2	56	13/16	1/4	**J0910086**
No.3	48	13/16	1/4	**J0910099**
No.4	40	13/16	1/4	**J0910112**
No.5	40	13/16	1/4	**J0910124**
No.6	32	13/16	1/4	**J0910138**
No.8	32	13/16	1/4	**J0910164**
No.10	24	13/16	1/4	**J0910190**
No.12	24	13/16	1/4	**J0910216**
1/4	20	13/16	1/4	**J0910250**
1/4	20	1	3/8	**J0920251**
1/4	20	1.5/16	7/16	**J0930252**
5/16	18	1	3/8	**J0920312**
5/16	18	1.5/16	7/16	**J0930313**
3/8	16	1	3/8	**J0920375**
3/8	16	1.5/16	7/16	**J0930376**
3/8	16	1.1/2	1/2	**J0940377**
7/16	14	1.5/16	7/16	**J0930438**
7/16	14	1.1/2	1/2	**J0940439**
1/2	13	1.5/16	7/16	**J0930500**
1/2	13	1.1/2	1/2	**J0940501**
1/2	13	2	5/8	**J0950502**
9/16	12	1.5/16	7/16	**J0930562**
9/16	12	1.1/2	1/2	**J0940563**
9/16	12	2	5/8	**J0950564**
5/8	11	1.1/2	1/2	**J0940625**
5/8	11	2	5/8	**J0950626**
3/4	10	1.1/2	1/2	**J0940749**
3/4	10	2	5/8	**J0950750**
7/8	9	2	5/8	**J0950875**
1	8	2	5/8	**J0951000**
1	8	3	7/8	**J0971002**

Other sizes available on request.
Other threadforms available on request whilst stocks last.

BS1127 | HSS | Bright | SPLIT

series J101 - J107

Application
For UNF threads

Size	TPI	Outside Diameter	Width	HSS
No.0	80	13/16	1/4	**J1010060**
No.1	64	13/16	1/4	**J1010073**
No.2	56	13/16	1/4	**J1010086**
No.3	48	13/16	1/4	**J1010099**
No.4	40	13/16	1/4	**J1010112**
No.5	40	13/16	1/4	**J1010124**
No.6	32	13/16	1/4	**J1010138**
No.8	32	13/16	1/4	**J1010164**
No.10	24	13/16	1/4	**J1010190**
No.12	24	13/16	1/4	**J1010216**
1/4	20	13/16	1/4	**J1010250**
1/4	20	1	3/8	**J1020251**
1/4	20	1.5/16	7/16	**J1030252**
5/16	18	1	3/8	**J1020312**
5/16	18	1.5/16	7/16	**J1030313**
3/8	16	1	3/8	**J1020375**
3/8	16	1.5/16	7/16	**J1030376**
3/8	16	1.1/2	1/2	**J1040377**
7/16	14	1.5/16	7/16	**J1030438**
7/16	14	1.1/2	1/2	**J1040439**
1/2	13	1.5/16	7/16	**J1030500**
1/2	13	1.1/2	1/2	**J1040501**
1/2	13	2	5/8	**J1050502**
9/16	12	1.5/16	7/16	**J1030562**
9/16	12	1.1/2	1/2	**J1040563**
9/16	12	2	5/8	**J1050564**
5/8	11	1.1/2	1/2	**J1040625**
5/8	11	2	5/8	**J1050626**
3/4	10	1.1/2	1/2	**J1040749**
3/4	10	2	5/8	**J1050750**
7/8	9	2	5/8	**J1050875**
1	8	2	5/8	**J1051000**
1	8	3	7/8	**J1071002**

Other sizes available on request.
Other threadforms available on request whilst stocks last.

BS1127 | HSS | Bright | SPLIT | G-Series

series J302 - J306

Application
For BSP threads

Size	TPI	Outside Diameter	Width	HSS
1/8	28	1	3/8	**J3020125**
1/8	28	1.5/16	7/16	**J3030126**
1/8	28	1.1/2	1/2	**J3040127**
1/4	19	1.5/16	7/16	**J3030250**
1/4	19	1.1/2	1/2	**J3040251**
1/4	19	2	5/8	**J3050252**
3/8	19	1.1/2	1/2	**J3040375**
3/8	19	2	5/8	**J3050376**
1/2	14	2	5/8	**J3050500**
5/8	14	2	5/8	**J3050625**
3/4	14	2	5/8	**J3050750**
1	11	2.1/4	11/16	**J3061000**

Other sizes available on request.
Other threadforms available on request whilst stocks last.

BS1127 | HSS | Bright | SOLID | Rc-Series

series J5B2 - J5B6

Application
For BSPT threads.
BSPT dies are solid

Size	TPI	Outside Diameter	Width	HSS
1/8	28	1	3/8	**J5B20125**
1/8	28	1.5/16	7/16	**J5B30126**
1/8	28	1.1/2	1/2	**J5B40127**
1/4	19	1.5/16	7/16	**J5B30250**
1/4	19	1.1/2	1/2	**J5B40251**
1/4	19	2	5/8	**J5B50252**
3/8	19	1.1/2	1/2	**J5B40375**
3/8	19	2	5/8	**J5B50376**
1/2	14	2	5/8	**J5B50500**
1/2	14	2.1/4	11/16	**J5B60501**
3/4	14	2	5/8	**J5B50750**
3/4	14	2.1/4	11/16	**J5B60751**
1	11	2.1/4	11/16	**J5B61000**

Other sizes available on request.
Other threadforms available on request whilst stocks last.

BS1127 HSS Bright

series J611

Application
For Metric Coarse threads

Size	Pitch	A/F	Width	HSS
M3	0.5	0.71”	1/4	**J6110117**
M4	0.7	0.71”	1/4	**J6110158**
M5	0.8	0.71”	1/4	**J6110197**
M6	1.0	0.71”	1/4	**J6110236**
M8	1.25	0.82”	5/16	**J6110315**
M10	1.5	0.92”	3/8	**J6110394**
M12	1.75	1.10”	1/2	**J6110472**
M14	2.0	1.30”	5/8	**J6110551**
M16	2.0	1.30”	5/8	**J6110630**
M18	2.5	1.48”	11/16	**J6110709**
M20	2.5	1.48”	11/16	**J6110787**

Other sizes available on request.
Other threadforms available on request whilst stocks last.

BS1127 HSS Bright

series J612

Application
For Metric Fine threads

Size	Pitch	A/F	Width	HSS
M3	0.35	0.71”	1/4	**J6120117**
M4	0.5	0.71”	1/4	**J6120158**
M5	0.5	0.71”	1/4	**J6120197**
M6	0.75	0.71”	1/4	**J6120236**
M8	1.0	0.82”	5/16	**J6120315**
M10	1.0	0.92”	3/8	**J6120394**
M12	1.25	1.10”	1/2	**J6120472**
M14	1.5	1.30”	5/8	**J6120551**
M16	1.5	1.30”	5/8	**J6120630**
M18	1.5	1.48”	11/16	**J6120709**
M20	1.5	1.48”	11/16	**J6120787**

Other sizes available on request.
Other threadforms available on request whilst stocks last.

BS1127 HSS Bright

series J641

Application
For UNC threads

Size	TPI	A/F	Width	HSS
1/4	20	0.71”	1/4	**J6410250**
5/16	18	0.82”	5/16	**J6410312**
3/8	16	0.92”	3/8	**J6410375**
7/16	14	1.01”	7/16	**J6410438**
1/2	13	1.1”	1/2	**J6410500**
9/16	12	1.3”	5/8	**J6410562**
5/8	11	1.3”	5/8	**J6410625**
3/4	10	1.48”	11/16	**J6410750**
7/8	9	1.67”	13/16	**J6410875**
1	8	2.05”	15/16	**J6411000**

Other sizes available on request.
Other threadforms available on request whilst stocks last.

BS1127 HSS Bright

series J651

Application
For UNF threads

Size	TPI	A/F	Width	HSS
No.10	32	0.71”	1/4	**J6510190**
1/4	28	0.71”	1/4	**J6510250**
5/16	24	0.82”	5/16	**J6510312**
3/8	24	0.92”	3/8	**J6510375**
7/16	20	1.01”	7/16	**J6510438**
1/2	20	1.1”	1/2	**J6510500**
9/16	18	1.3”	5/8	**J6510562**
5/8	18	1.3”	5/8	**J6510625**
3/4	16	1.48”	11/16	**J6510750**
7/8	14	1.67”	13/16	**J6510875**
1	12	2.05”	15/16	**J6511000**

Other sizes available on request.
Other threadforms available on request whilst stocks last.

BS1127 | HSS | Bright | G-Series

series J701

Application
For BSP threads

Size	TPI	A/F	Width	HSS
1/8	28	0.92”	1/4	**J7010125**
1/4	19	1.1”	1/4	**J7010250**
3/8	19	1.3”	3/8	**J7010375**
1/2	14	1.67”	1/2	**J7010500**
3/4	14	2.05”	15/16	**J7010750**
1	11	2.58”	1.1/8	**J7011000**

Other sizes available on request.
Other threadforms available on request whilst stocks last.

BS1127 | HSS | Bright | Rc-Series

series J711

Application
For BSPT threads

Size	TPI	A/F	Width	HSS
1/8	28	0.92”	1/4	**J7110125**
1/4	19	1.1”	1/4	**J7110250**
3/8	19	1.3”	3/8	**J7110375**
1/2	14	1.67”	1/2	**J7110500**
3/4	14	2.05”	15/16	**J7110750**
1	11	2.58”	1.1/8	**J7111000**

Other sizes available on request.
Other threadforms available on request whilst stocks last.

series J891

series J892

series J893

Size	Wrench No.	Metric	UN	Pipe	Length mm	Code
1/16 - 1/4	TW1	2.0 - 6.0	0 - 12		270	**J8910001**
1/8 - 1/2	TW2	3.0 - 12.0		1/8 - 1/4	380	**J8910002**

Size	Wrench No.	Metric	UN	Pipe	Length mm	Code
1/8 - 1/2	TW3	3.0 - 12.0	4 - 1/4	1/8 - 1/4	270	**J8920003**
7/32 - 3/4	TW4	6.0 - 22.0	5/16 - 1.1/4	1/8 - 3/8	380	**J8920004**
7/16 - 1	TW5	12.0 - 27.0	> 1.1/4	1/4 - 5/8	500	**J8920005**
3/4 - 1.1/2	TW6	18.0 - 42.0		3/8 - 1	815	**J8920006**
1 - 2.1/2	TW7	> 24.0		5/8 - 2.1/2	1300	**J8920007**

Size	Wrench No.	Metric	UN	Pipe	Length mm	Code
1/16 - 1/4	T1 STD	1.0 - 6.0	0 - 12		85	**J8930001**
1/4 - 1/2	T2 STD	6.0 - 12.0		1/8 - 1/4	110	**J8930002**
1/16 - 1/4	T1 LONG	1.0 - 6.0	0 - 12		250	**J8930003**
1/4 - 1/2	T2 LONG	6.0 - 12.0		1/8 - 1/4	300	**J8930004**

series J895

Size	Wrench No.	Length mm	Code
13/16	DS1	165	**J8950001**
1	DS2	230	**J8950002**
1.5/16	DS3	280	**J8950003**
1.1/2	DS4	350	**J8950004**
2	DS5	550	**J8950005**
2.1/4	DS6	610	**J8950006**
3	DS7	790	**J8950007**
4	DS8	1075	**J8950008**

series 9701

Screw Extractors
For removing broken screws and bolts.

Size	Screw Size	Drill Size	Length	Square A/F	Code
1	3.0 - 4.0	1.8	50	2.7	**97010001**
2	5.0 - 7.0	3.2	57	3.8	**97010002**
3	8.0 - 10.0	4.5	64	4.9	**97010003**
4	11.0 - 14.0	6.5	71	7.0	**97010004**
5	16.0 - 18.0	8.5	79	9.0	**97010005**
6	18.0 - 24.0	11.8	85	12.0	**97010006**
7	24.0 - 33.0	15.3	92	14.5	**97010007**
8	33.0 - 45.0	20.0	100	18.0	**97010008**

Set No.	Extractor Size	Code
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6	1 - 6	**97010106**
8	1 - 8	**97010108**

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