

60° HSS Combined Drill & Countersinks TiN Coated



- 60° countersink



Size	Body Dia.	Drill Dia.	Drill Length	Overall Length	Code No.	Price \$
1	1/8"	3/64"	1.4-1.7mm	31mm	121921	20.13
2	3/16"	5/64"	2.4-2.7mm	47mm	121922	22.51
3	1/4"	7/64"	3.3-3.9mm	50mm	121923	25.44
4	5/16"	1/8"	3.8-4.4mm	54mm	121924	29.44
4-1/2	3/8"	9/64"	4.3-4.9mm	63mm	121929	37.90
5	7/16"	3/16"	5.9-6.5mm	70mm	121925	42.59
6	1/2"	7/32"	6.9-7.5mm	76mm	121926	50.51
7	5/8"	1/4"	8.0-8.6mm	82mm	121927	77.79
8	3/4"	5/16"	10.0-10.6mm	89mm	121928	119.78

Combined Drills & Countersinks HSS — Metric Sizes



- Plain type
- 60° countersink



Size (mm)	Drill Diameter (in.)	Body Diameter (in.)	Overall Length (in.)	HSS Code No.	Price \$
0.50 *	0.0197	1/8	13/16	116306	28.23
0.80 *	0.0315	1/8	13/16	116307	20.83
1.00	0.0394	1/8	1-1/4	116308	20.83
1.25	0.0492	1/8	1-1/4	116309	20.83
1.60	0.0630	5/32	1-5/16	116310	19.76
2.00	0.0787	0.1969	1-9/16	116311	22.07
2.50	0.0984	1/4	1-3/4	116312	24.96
3.15	0.1240	0.3150	2	116313	30.60
4.00	0.1575	0.3937	2-1/4	116314	52.24
5.00	0.1969	0.4921	2-1/2	116315	72.23
6.30	0.2480	0.6299	2-3/4	116316	105.77
8.00	0.3150	0.7874	3-1/8	116317	164.46

* Single end

Missile & Aircraft Series HSS



Size	Body Dia. (in.)	Drill Dia. (in.)	Drill Length (in.)	Overall Length (in.)	HSS Code No.	Price \$
000	1/8	0.020	0.02	1-1/4	116318	10.22
00	1/8	0.025	0.025	1-1/4	116319	10.22
0	1/8	1/32	1/32	1-1/4	116320	10.22

Carbide Tipped Combined Drills & Countersinks



These drills are used for centre drilling hardened high speed steel in the range up to 65HRC.

- 60° countersink



Size	Body Diameter (in.)	Drill Diameter (in.)	Overall Length (in.)	Code No.	Price \$
4-1	5/16	3/32	2-1/8	116321	190.87
4-2	5/16	1/8	2-1/8	116322	173.52
6-1	1/2	7/32	3	116323	243.82
6-2	1/2	9/32	3	116324	243.82

Spotting & Centering Drills HSS



To provide greater rigidity, these drills are made with short overall and flute lengths.



Size (in.)	Decimal Equiv. (in.)	Flute Length (in.)	Overall Length (in.)	Right Hand Code No.	Price \$	Left Hand Code No.	Price \$
3/8	0.3750	1	2	116325	20.38	116336	37.78
7/16	0.4375	1	2	116326	39.96	116337	51.27
1/2	0.5000	1	2	116327	35.81	116338	55.03
5/8	0.6250	1-1/8	2-1/4	116328	56.81	116339	85.86
3/4	0.7500	1-1/8	2-1/4	116329	80.96	116340	119.71
7/8	0.8750	1-1/4	2-1/2	116330	116.38	116341	169.14
1	1.0000	1-1/4	2-1/2	116331	130.73	116342	181.52
1-1/4	1.2500	2	4	116332	260.21	116343	400.13
1-1/2	1.5000	2-1/2	5	116333	405.93	116344	546.44
1-3/4	1.7500	2-3/4	5-1/2	116334	614.09	116345	837.87
2	2.000	3	6	116335	728.59	-	-

NC/CNC Spotting Drills HSS



These drills are used for perfect alignment of the follow-on tool.

- Standard length
- Right hand cut



Size (in.)	Decimal Equiv. (in.)	Overall Length (in.)	90° Flute Length	HSS Code No.	Price \$	120° Flute Length	HSS Code No.	Price \$
1/4	0.2500	2-1/2	3/4	116346	42.55	21/32	116352	43.08
3/8	0.3750	3-1/8	1-1/8	116347	45.82	1	116353	46.35
1/2	0.5000	3-3/4	1-3/8	116348	58.63	1-3/16	116354	59.36
5/8	0.6250	4-3/8	1-5/8	116349	77.59	1-15/32	116355	76.90
3/4	0.7500	5	1-7/8	116350	97.86	1-3/4	116356	98.88
1	1.0000	6	2-1/4	116351	165.18	2-3/32	116357	166.97

Centre Drills HSS



These drills are used for starting and centering screw machine operations. Their short flute and overall length increase rigidity while minimizing runout.



Size	Decimal Equiv. (in.)	Flute Length (in.)	Overall Length (in.)	HSS Code No.	Price \$
#56	0.0465	3/8	1-3/16	116358	4.39
1/16	0.0625	3/8	1-3/16	116359	4.39
5/64	0.0781	3/4	1-1/4	116360	4.39
3/32	0.0938	3/4	1-1/4	116361	4.78
#41	0.0960	3/4	1-1/4	116362	7.23
#40	0.0980	3/4	1-1/4	116363	4.78
7/64	0.1094	3/4	1-1/4	116364	4.78
1/8	0.1250	3/4	1-1/4	116365	4.05
#30	0.1285	3/4	1-1/4	116366	4.24
9/64	0.1406	3/4	1-1/4	116367	6.31
5/32	0.1562	1	1-1/2	116368	8.27
#21	0.1590	1	1-1/2	116369	7.04
#20	0.1610	1	1-1/2	116370	7.04
11/64	0.1719	1	1-1/2	116371	7.04
3/16	0.1875	1	1-1/2	116372	7.04
13/64	0.2031	1	1-1/2	116373	7.04
#5	0.2055	1	1-1/2	116374	7.04
7/32	0.2188	1	1-1/2	116375	7.04
1/4	0.2500	1	1-1/2	116376	7.86
9/32	0.2812	1	1-1/2	116377	10.94
5/16	0.3125	1	1-1/2	116378	12.97
29/64	0.4531	1	1-1/2	116379	31.71