

SHARS Fractional Size Straight Shank Jobber Length Drill

Drill Material	Application	Drill Point	Finish	Brand	Part #	Spec
High Speed Steel	General Purpose	118°	Bright	USA Made	415-7671	
			Black Oxide	USA Made/Economy	415-7924/404-F101	
			Tin Coated	Economy	404-1329	
M7 HSS	Heavy Duty	135° split point	Black Oxide	USA Made	415-8188	
Cobalt M35	Heavy Duty	135°	Bright	Economy	404-0428	
Cobalt M42	Heavy Duty	135° split point	Straw Finish	USA Made	415-8993	NAS 907

ANSI Standard

HSS & Cobalt are fully ground

Economy: 1/64 to 9/32 12 pcs/pkg 19/64 to 1/2" 6 pcs/pkg

USA Made: 1/64 to 1/4 12 pcs/pkg 17/64 to 1/2" 6 pcs/pkg

**USA
Made**

Import



BRIGHT FINISH



OXIDE FINISH



HEAVY DUTY OXIDE FINISH



NAS 907 - M42 COBALT - STRAW FINISH



Fractional Size	Flute Length	O.A.L.	HSS STEAM OXIDE		HSS Bright		GROUND HSS TIN		HEAVY DUTY Black Oxide		COBALT M35		COBALT M42			
			Import	Price	USA	Price	USA	Price	Import	Price	HSS USA	Price	Import	Price	USA	Price
1/64"	3/16"	3/4"			415-7924	\$1.27	415-7671	\$1.27								
1/32	1/2	1-3/8			415-7925	0.90	415-7672	0.90								
3/64	3/4	1-3/4			415-7926	0.90	415-7673	0.90								
1/16	7/8	1-7/8	404-F101	\$0.22	415-7927	0.60	415-7674	0.60	404-1329	\$0.40	415-8188	\$0.60	404-0428	\$0.48	415-8993	\$1.33
5/64	1	2	404-F102	0.22	415-7928	0.60	415-7675	0.60	404-1330	0.40	415-8189	0.60	404-0430	0.52	415-8995	1.01
3/32	1-1/4	2-1/4	404-F103	0.22	415-7929	0.60	415-7676	0.60	404-1331	0.40	415-8190	0.60	404-0431	0.58	415-8996	1.01
7/64	1-1/2	2-5/8	404-F104	0.25	415-7930	0.60	415-7677	0.60	404-1332	0.40	415-8191	0.60	404-0432	0.63	415-8997	1.06
1/8	1-5/8	2-3/4	404-F105	0.26	415-7931	0.60	415-7678	0.60	404-1301	0.48	415-8192	0.60	404-0433	0.63	415-8998	1.30
9/64	1-3/4	2-7/8	404-F106	0.27	415-7932	0.64	415-7679	0.64	404-1302	0.50	415-8193	0.64	404-0434	0.79	415-8999	1.30
5/32	2	3-1/8	404-F107	0.30	415-7933	0.66	415-7680	0.66	404-1303	0.50	415-8194	0.78	404-0435	0.81	415-9000	1.47
11/64	2-1/8	3-1/4	404-F108	0.35	415-7934	0.71	415-7681	0.71	404-1304	0.50	415-8195	0.85	404-0436	0.93	415-9001	1.54
3/16	2-5/16	3-1/2	404-F109	0.40	415-7935	0.78	415-7682	0.78	404-1305	0.62	415-8196	0.97	404-0437	1.20	415-9002	1.72
13/64	2-7/16	3-5/8	404-F110	0.40	415-7936	0.90	415-7683	0.90	404-1306	0.62	415-8197	1.05	404-0438	1.20	415-9003	2.07
7/32	2-1/2	3-3/4	404-F111	0.50	415-7937	0.98	415-7684	0.98	404-1307	0.75	415-8198	1.13	404-0439	1.38	415-9004	2.27
15/64	2-5/8	3-7/8	404-F112	0.50	415-7938	1.09	415-7685	1.09	404-1308	0.75	415-8199	1.23	404-0440	1.62	415-9005	2.41
1/4	2-3/4	4	404-F113	0.50	415-7939	1.12	415-7686	1.12	404-1309	0.90	415-8200	1.32	404-0441	1.92	415-9006	2.58
17/64	2-7/8	4-1/8	404-F114	0.60	415-7940	1.60	415-7687	1.60	404-1310	0.95	415-8201	1.82	404-0442	1.95	415-9007	2.93
9/32	2-15/16	4-1/4	404-F115	0.60	415-7941	1.69	415-7688	1.69	404-1311	1.06	415-8202	1.97	404-0443	1.95	415-9008	3.07
19/64	3-1/16	4-3/8	404-F116	0.71	415-7942	1.88	415-7689	1.88	404-1312	1.06	415-8203	2.18	404-0444	3.60	415-9009	3.74
5/16	3-3/16	4-1/2	404-F117	0.71	415-7943	1.95	415-7690	1.95	404-1313	1.36	415-8204	2.25	404-0445	2.70	415-9010	3.98
21/64	3-5/16	4-5/8	404-F118	0.80	415-7944	2.18	415-7691	2.18	404-1314	1.36	415-8205	2.53	404-0446	2.83	415-9011	4.40
11/32	3-7/16	4-3/4	404-F119	0.85	415-7945	2.34	415-7692	2.34	404-1315	1.66	415-8206	2.69	404-0447	3.33	415-9012	4.83
23/64	3-1/2	4-7/8	404-F120	0.95	415-7946	2.56	415-7693	2.56	404-1316	1.76	415-8207	2.83	404-0448	3.33	415-9013	5.53
3/8	3-5/8	5	404-F121	0.98	415-7947	2.69	415-7694	2.69	404-1317	2.05	415-8208	3.09	404-0449	3.70	415-9014	5.53
25/64	3-3/4	5-1/8	404-F122	1.11	415-7948	2.91	415-7695	2.91	404-1318	2.05	415-8209	3.36	404-0450	4.25	415-9015	6.29
13/32	3-7/8	5-1/4	404-F123	1.22	415-7949	3.18	415-7696	3.18	404-1319	2.25	415-8210	3.64	404-0451	4.60	415-9016	6.57
27/64	3-15/16	5-3/8	404-F124	1.27	415-7950	3.39	415-7697	3.39	404-1320	2.60	415-8211	3.92	404-0452	5.15	415-9017	7.27
7/16	4-1/16	5-1/2	404-F125	1.31	415-7951	3.70	415-7698	3.70	404-1321	2.80	415-8212	4.26	404-0453	5.15	415-9018	7.43
29/64	4-3/16	5-5/8	404-F126	1.49	415-7952	3.93	415-7699	3.93	404-1322	2.80	415-8213	4.54	404-0454	6.19	415-9019	8.90
15/32	4-5/16	5-3/4	404-F127	1.80	415-7953	4.27	415-7700	4.27	404-1323	3.20	415-8214	4.94	404-0455	6.30	415-9020	9.09
31/64	4-3/8	5-7/8	404-F128	1.88	415-7954	4.52	415-7701	4.52	404-1324	3.40	415-8215	5.22	404-0456	6.73	415-9021	9.13
1/2	4-1/2	6	404-F129	1.99	415-7955	4.73	415-7702	4.73	404-1325	4.00	415-8216	5.49	404-0457	6.88	415-9022	9.13
33/64	4-13/16	6-5/8			415-7956	9.28										
17/32	4-13/16	6-5/8			415-7957	9.73										
35/64	4-13/16	6-5/8			415-7958	10.54										
9/16	4-13/16	6-5/8			415-7959	11.03										
37/64	4-13/16	6-5/8			415-7960	11.06										
19/32	5-3/16	7-1/8			415-7961	11.37										
39/64	5-3/16	7-1/8			415-7962	12.49										
5/8	5-3/16	7-1/8			415-7963	12.19										
41/64	5-3/16	7-1/8			415-7964	13.33										
21/32	5-3/16	7-1/8			415-7965	12.88										
43/64	5-5/8	7-5/8			415-7966	15.15										
11/16	5-5/8	7-5/8			415-7967	14.81										

SHARS Solid Carbide Jobber Drills(cont.)

**USA
Made**

Import



SIZE	DEC	OAL	Flute Length	UNCOATED Economy		USA UNCOATED		USA ALTiN	
				2 Flute	Price	2 Flute	Price	2 Flute	Price
16	0.177"	2-3/4"	1-5/8"			415-3469	\$11.19	415-3499	\$13.99
15	0.18	2-3/4	1-5/8			415-3468	11.19	415-3498	13.99
14	0.182	2-3/4	1-5/8			415-3467	11.37	415-3497	14.21
13	0.185	2-3/4	1-5/8			415-3466	11.68	415-3496	14.59
3/16	0.1875	2-3/4	1-5/8	404-1238	\$7.80	415-3258	10.95	415-3274	13.68
12	0.189	2-3/4	1-5/8			415-3465	12.10	415-3495	15.12
11	0.191	2-3/4	1-5/8			415-3464	12.10	415-3494	15.12
10	0.1935	2-3/4	1-5/8			415-3463	12.40	415-3493	15.50
	0.196	3	1-3/4			415-3462	12.40	415-3492	15.50
	0.196	3	1-3/4			415-3461	12.40	415-3491	15.50
	0.201	3	1-3/4			415-3460	12.46	415-3490	15.58
13/64	0.2031	3	1-3/4	404-1239	8.76	415-3259	12.46	415-3375	15.81
	0.204	3	1-3/4			415-3459	12.82	415-3489	16.03
	0.2055	3	1-3/4			415-3458	12.82	415-3488	16.03
	0.209	3	1-3/4			415-3457	14.36	415-3487	17.96
	0.213	3	1-3/4			415-3456	14.52	415-3486	18.16
7/32	0.2188	3	1-3/4	404-1240	9.48	415-3260	14.04	415-3276	17.54
	0.221	3	1-3/4			415-3455	14.52	415-3485	18.16
	0.228	3	1-3/4			415-3454	14.52	415-3484	18.16
	0.234	3-1/4	2			415-3402	16.03	415-3415	14.31
15/64	0.2344	3-1/4	2	404-1241	11.04	415-3261	15.88	415-3277	19.85
	0.238	3-1/4	2			415-3403	16.69	415-3416	14.91
	0.242	3-1/4	2			415-3404	16.81	415-3417	15.02
	0.246	3-1/4	2			415-3405	17.04	415-3418	15.21
1/4	0.25	3-1/4	2	404-1242	11.22	415-3262	16.69	415-3278	20.87
	0.25	3-1/4	2			415-3406	16.69	415-3419	14.91
	0.257	3-1/4	2			415-3407	18.56	415-3420	16.58
	0.261	3-1/2	2-1/8			415-3408	19.70	415-3421	24.61
17/64	0.2656	3-1/2	2-1/8	404-1243	13.62	415-3263	18.80	415-3279	23.51
	0.266	3-1/2	2-1/8			415-3409	20.12	415-3422	25.16
	0.272	3-1/2	2-1/8			415-3410	20.44	415-3423	25.55
	0.277	3-1/2	2-1/8			415-3411	21.00	415-3424	26.25
	0.281	3-1/2	2-1/8			415-3412	21.17	415-3425	26.46
9/32	0.2812	3-1/2	2-1/8	404-1244	13.56	415-3280	19.61	415-3295	24.51
	0.29	3-1/2	2-1/8			415-3413	22.39	415-3426	27.97
	0.295	3-3/4	2-3/8			415-3414	22.83	415-3427	28.55
19/64	0.2969	3-3/4	2-3/8	404-1245	15.30	415-3281	22.02	415-3296	27.52
	0.302	3-3/4	2-3/8			415-3428	24.26	415-3428	24.26
5/16	0.3125	3-3/4	2-3/8	404-1246	16.02	415-3282	23.17	415-3297	28.95
	0.316	3-3/4	2-3/8			415-3429	25.59	415-3429	25.59
	0.323	3-3/4	2-3/8			415-3430	26.56	415-3430	26.56
21/64	0.3281	4	2-1/2	404-1247	17.52	415-3283	25.28	415-3298	31.60
	0.332	4	2-1/2			415-3431	27.52	415-3431	27.52
	0.39	4	2-1/2			415-3432	28.73	415-3432	28.73
11/32	0.3438	4	2-1/2	404-1248	19.14	415-3284	27.65	415-3399	34.55
	0.348	4	2-1/2			415-3433	30.60	415-3433	30.60
	0.358	4-1/4	2-3/4			415-3434	31.71	415-3434	31.71
23/64	0.3594	4-1/4	2-3/4	404-1249	21.42	415-3285	30.91	415-3300	38.64
	0.398	4-1/4	2-3/4			415-3435	33.28	415-3435	33.28
3/8	0.375	4-1/4	2-3/4	404-1250	22.74	415-3286	32.79	415-3301	40.98
	0.377	4-1/4	2-3/4			415-3436	36.85	415-3449	46.06
	0.386	4-1/4	2-7/8			415-3437	39.69	415-3450	49.62
25/64	0.3906	4-1/4	2-7/8	404-1251	26.34	415-3287	38.39	415-3302	47.98
	0.397	4-1/4	2-7/8			415-3438	43.32	415-3451	54.14
	0.404	4-1/4	2-7/8			415-3439	44.76	415-3452	55.96
13/32	0.4062	4-1/4	2-7/8	404-1252	29.16	415-3288	42.04	415-3303	52.56
	0.413	4-1/4	2-7/8			415-3440	48.51	415-3453	60.63
27/64	0.4219	4-1/4	2-7/8	404-1253	31.68	415-3289	45.72	415-3304	57.16
7/6	0.4375	4-1/4	2-7/8	404-1254	32.58	415-3290	47.85	415-3305	59.81
29/64	0.4531	4-3/4	3	404-1255	38.46	415-3291	55.50	415-3306	69.38
15/32	0.4688	4-3/4	3	404-1256	40.02	415-3292	57.83	415-3307	72.28
31/64	0.4844	4-3/4	3	404-1257	40.68	415-3293	59.46	415-3308	74.33
1/2	0.5	4-3/4	3	404-1258	41.22	415-3294	59.58	415-3309	74.48

Jobber Length • DRILLS



Solid Carbide Jobber Drills

118 Split Point • Fractional / Wire Gauge / Letter Sizes

Note: sizes under 1/8" diameter are not split point.

**USA
Made**

Import



UNCOATED



ALTiN COATED

DIAMETER TOLERANCE +.0000,-.0005"

SIZE	DEC	OAL	Flute Length	UNCOATED Economy		USA UNCOATED		USA ALTiN	
				2 Flute	Price	2 Flute	Price	2 Flute	Price
1/32"	0.0312"	1-1/4"	5/16"			415-3248	\$5.45	415-3264	\$6.80
60	0.04	1-1/2	3/4			415-3543	5.45	415-3373	6.80
59	0.041	1-1/2	3/4			415-3542	5.45	415-3572	6.80
58	0.042	1-1/2	3/4			415-3541	5.45	415-3571	6.80
57	0.043	1-1/2	3/4			415-3540	5.45	415-3570	6.80
56	0.0465	1-1/2	3/4			415-3539	5.45	415-3569	6.80
3/64	0.0469	1-1/2	3/4			415-3249	5.45	415-3265	6.80
55	0.052	1-1/2	3/4			415-3538	5.45	415-3568	6.80
54	0.055	1-1/2	3/4			415-3537	5.45	415-3567	6.80
53	0.0595	1-1/2	3/4			415-3536	5.45	415-3566	6.80
1/16	0.0625	1-1/2	3/4	404-1230	\$3.60	415-3250	5.14	415-3266	6.43
52	0.0635	1-1/2	3/4			415-3535	5.14	415-3565	6.43
51	0.067	1-1/2	3/4			415-3534	5.14	415-3564	6.43
50	0.07	1-3/4	7/8			415-3533	5.14	415-3563	6.65
49	0.073	1-3/4	7/8			415-3532	5.14	415-3562	6.65
48	0.076	1-3/4	7/8			415-3531	5.57	415-3561	6.96
5/64	0.0781	1-3/4	7/8	404-1231	3.78	415-3251	5.45	415-3267	6.80
47	0.0785	1-3/4	7/8			415-3530	5.57	415-3560	6.96
46	0.081	1-3/4	7/8			415-3529	5.57	415-3559	6.96
45	0.082	1-3/4	7/8			415-3528	5.57	415-3558	6.96
44	0.086	2	1			415-3527	5.54	415-3557	7.18
43	0.089	2	1			415-3526	6.05	415-3556	7.56
42	0.0935	2	1			415-3525	6.05	415-3555	7.56
3/32	0.0938	2	1	404-1232	3.95	415-3252	5.99	415-3268	7.49
41	0.096	2	1			415-3524	6.23	415-3554	7.78
40	0.098	2	1			415-3523	6.23	415-3553	7.78
39	0.0995	2-1/4	1-1/4			415-3522	6.47	415-3552	8.09
38	0.1015	2-1/4	1-1/4			415-3521	6.47	415-3551	8.09
37	0.104	2-1/4	1-1/4			415-3520	6.59	415-3550	8.25
36	0.1065	2-1/4	1-1/4			415-3519	6.96	415-3549	8.69
7/64	0.1094	2-1/4	1-1/4	404-1233	4.05	415-3253	6.80	415-3269	8.51
35	0.11	2-1/4	1-1/4			415-3518	6.96	415-3548	8.69
34	0.111	2-1/4	1-1/4			415-3517	6.96	415-3547	8.69
33	0.113	2-1/4	1-1/4			415-3516	7.01	415-3546	8.76
32	0.116	2-1/4	1-1/4			415-3515	7.08	415-3545	8.85
31	0.12	2-1/4	1-1/4			415-3514	7.08	415-3544	8.85
1/8	0.125	2-1/4	1-1/4	404-1234	4.50	415-3254	7.27	415-3270	9.07
30	0.1285	2-1/4	1-1/4			415-3483	7.62	415-3513	9.52
29	0.136	2-1/4	1-3/8			415-3482	8.05	415-3512	10.05
28	0.1405	2-1/4	1-3/8			415-3481	8.05	415-3511	10.05
9/64	0.1405	2-1/4	1-3/8	404-1235	5.25	415-3255	8.05	415-3271	10.05
27	0.144	2-1/4	1-3/8			415-3480	8.47	415-3510	10.58
26	0.147	2-1/4	1-3/8			415-3479	8.47	415-3509	10.58
25	0.1495	2-1/4	1-3/8			415-3478	8.47	415-3508	10.58
24	0.152	2-1/4	1-3/8			415-3477	8.95	415-3507	11.19
23	0.154	2-1/4	1-3/8			415-3476	9.02	415-3506	11.27
5/32	0.1562	2-1/4	1-3/8	404-1236	6.00	415-3256	9.02	415-3272	11.27
22	0.157	2-1/4	1-3/8			415-3475	9.02	415-3505	11.27
21	0.159	2-1/4	1-3/8			415-3474	9.38	415-3504	11.72
20	0.161	2-1/4	1-3/8			415-3473	9.38	415-3503	11.72
19	0.166	2-3/4	1-5/8			415-3472	9.80	415-3502	12.25
18	0.1695	2-3/4	1-5/8			415-3471	10.01	415-3501	12.25
11/64	0.1719	2-3/4	1-5/8	404-1237	7.15	415-3257	10.64	415-3273	13.30
17	0.173	2-3/4	1-5/8			415-3470	10.64	415-3500	13.30



Wire Gauge Size Straight Shank Jobber Length Drill(cont.)



				BRIGHT FINISH		BLACK OXIDE		HEAVY DUTY		COBALT	
WIRE Size	Flute Length	DEC.	OAL	2 Flute		2 Flute		BLACK OXIDE		BRONZE OXIDE	
				Price	Price	Price	Price	Price	Price		
6	2-1/2"	0.204"	3-3/4"	415-7734	\$1.08	415-7999	\$1.08	415-8248	\$1.15	415-9054	\$2.59
7	2-7/16	0.201	3-5/8	415-7735	1.05	415-8000	1.05	415-8249	1.08	415-9055	2.02
8	2-7/16	0.199	3-5/8	415-7736	1.05	415-8001	1.05	415-8250	1.09	415-9056	2.02
9	2-7/16	0.196	3-5/8	415-7737	1.05	415-8002	1.02	415-8251	1.09	415-9057	2.02
10	2-7/16	0.1935	3-5/8	415-7738	0.94	415-8003	0.94	415-8252	0.98	415-9058	2.02
11	2-5/16	0.191	3-1/2	415-7739	0.94	415-8004	0.94	415-8253	0.98	415-9059	2.02
12	2-5/16	0.189	3-1/2	415-7740	0.94	415-8005	0.94	415-8254	0.98	415-9060	2.02
13	2-5/16	0.185	3-1/2	415-7741	0.94	415-8006	0.94	415-8255	1.09	415-9061	1.97
14	2-3/16	0.182	3-3/8	415-7742	0.90	415-8007	0.90	415-8256	1.09	415-9062	1.97
15	2-3/16	0.18	3-3/8	415-7743	0.90	415-8008	0.90	415-8257	1.09	415-9063	1.97
16	2-3/16	0.17	3-3/8	415-7744	0.90	415-8009	0.90	415-8258	1.09	415-9064	1.81
17	2-3/16	0.17	3-3/8	415-7745	0.85	415-8010	0.85	415-8259	1.09	415-9065	1.76
18	2-1/8	0.1695	3-1/4	415-7746	0.85	415-8011	0.85	415-8260	1.09	415-9066	1.76
19	2-1/8	0.166	3-1/4	415-7747	0.85	415-8012	0.85	415-8261	1.04	415-9067	1.55
20	2-1/8	0.161	3-1/4	415-7748	0.76	415-8013	0.76	415-8262	1.04	415-9068	1.55
21	2-1/8	0.159	3-1/4	415-7749	0.76	415-8014	0.76	415-8263	0.98	415-9069	1.55
22	2	0.157	3-1/8	415-7750	0.73	415-8015	0.73	415-8264	0.98	415-9070	1.55
23	2	0.154	3-1/8	415-7751	0.73	415-8016	0.73	415-8265	0.98	415-9071	1.55
24	2	0.152	3-1/8	415-7752	0.73	415-8017	0.73	415-8266	0.98	415-9072	1.55
25	1-7/8	0.1495	3	415-7753	0.63	415-8018	0.63	415-8267	0.98	415-9073	1.41
26	1-7/8	0.147	3	415-7754	0.63	415-8019	0.63	415-8268	0.98	415-9074	1.40
27	1-7/8	0.144	3	415-7755	0.63	415-8020	0.63	415-8269	0.98	415-9075	1.40
28	1-3/4	0.1405	2-7/8	415-7756	0.57	415-8021	0.57	415-8270	0.98	415-9076	1.32
29	1-3/4	0.136	2-7/8	415-7757	0.57	415-8022	0.57	415-8271	0.78	415-9077	1.27
30	1-5/8	0.1285	2-3/4	415-7758	0.56	415-8023	0.56	415-8272	0.78	415-9078	1.20
31	1-5/8	0.12	2-3/4	415-7759	0.55	415-8024	0.55	415-8273	0.87	415-9079	1.18
32	1-5/8	0.116	2-3/4	415-7760	0.55	415-8025	0.55	415-8274	0.87	415-9080	1.16
33	1-1/2	0.113	2-5/8	415-7761	0.55	415-8026	0.55	415-8275	0.87	415-9081	1.12
34	1-1/2	0.111	2-5/8	415-7762	0.55	415-8027	0.55	415-8276	0.87	415-9082	1.12
35	1-1/2	0.11	2-5/8	415-7763	0.55	415-8028	0.55	415-8277	0.87	415-9083	1.12
36	1-7/16	0.1065	2-1/2	415-7764	0.55	415-8029	0.55	415-8278	0.87	415-9084	1.11
37	1-7/16	0.104	2-1/2	415-7765	0.55	415-8030	0.55	415-8279	0.87	415-9085	1.11
38	1-7/16	0.1015	2-1/2	415-7766	0.55	415-8031	0.55	415-8280	0.87	415-9086	1.02
39	1-3/8	0.0995	2-3/8	415-7767	0.55	415-8032	0.55	415-8281	0.87	415-9087	1.02
40	1-3/8	0.098	2-3/8	415-7768	0.55	415-8033	0.55	415-8282	0.87	415-9088	1.02
41	1-3/8	0.096	2-3/8	415-7769	0.55	415-8034	0.55	415-8283	0.81	415-9089	1.01
42	1-1/4	0.0935	2-1/4	415-7770	0.55	415-8035	0.55	415-8284	0.81	415-9090	0.99
43	1-1/4	0.089	2-1/4	415-7771	0.55	415-8036	0.55	415-8285	0.81	415-9091	0.99
44	1-1/8	0.086	2-1/8	415-7772	0.55	415-8037	0.55	415-8286	0.81	415-9092	0.99
45	1-1/8	0.082	2-1/8	415-7773	0.57	415-8038	0.57	415-8287	0.81	415-9093	0.99
46	1-1/8	0.081	2-1/8	415-7774	0.57	415-8039	0.57	415-8288	0.81	415-9094	0.99
47	1	0.0785	2	415-7775	0.57	415-8040	0.57	415-8289	0.81	415-9095	0.99
48	1	0.076	2	415-7776	0.57	415-8041	0.57	415-8290	0.81	415-9096	0.99
49	1	0.073	2	415-7777	0.57	415-8042	0.57	415-8291	0.81	415-9097	0.99
50	1	0.07	2	415-7778	0.57	415-8043	0.57	415-8292	0.81	415-9098	0.99
51	1	0.067	2	415-7779	0.57	415-8044	0.57	415-8293	0.81	415-9099	0.99
52	7/8	0.0635	1-7/8	415-7780	0.57	415-8045	0.57	415-8294	0.81	415-9100	0.99
53	7/8	0.0595	1-7/8	415-7781	0.57	415-8046	0.57	415-8295	0.81	415-9101	1.12
54	7/8	0.055	1-7/8	415-7782	0.62	415-8047	0.62	415-8296	0.81	415-9102	1.12
55	7/8	0.052	1-7/8	415-7783	0.62	415-8048	0.62	415-8297	0.81	415-9103	1.12
56	3/4	0.0465	1-3/4	415-7784	0.62	415-8049	0.62	415-8298	0.81	415-9104	1.26
57	3/4	0.043	1-3/4	415-7785	0.69	415-8050	0.69	415-8299	0.81	415-9105	1.26
58	11/16	0.042	1-5/8	415-7786	0.69	415-8051	0.69	415-8300	0.81	415-9106	1.26
59	11/16	0.041	1-5/8	415-7787	0.69	415-8052	0.69	415-8301	0.81	415-9107	1.26
60	11/16	0.04	1-5/8	415-7788	0.69	415-8053	0.69	415-8302	0.81	415-9108	1.26
61	11/16	0.039	1-5/8	415-7789	0.71	415-8054	0.71			415-9109	1.34
62	5/8	0.038	1-1/2	415-7790	0.71	415-8055	0.71			415-9110	1.34
63	5/8	0.037	1-1/2	415-7791	0.71	415-8056	0.71			415-9111	1.34
64	5/8	0.036	1-1/2	415-7792	0.71	415-8057	0.71			415-9112	1.34
65	5/8	0.35	1-1/2	415-7793	0.71	415-8058	0.71			415-9113	1.34
66	1/2	0.33	1-3/8	415-7794	0.71	415-8059	0.71			415-9114	1.47
67	1/2	0.032	1-3/8	415-7795	0.71	415-8060	0.71			415-9115	1.47
68	1/2	0.031	1-3/8	415-7796	0.71	415-8061	0.71			415-9116	1.47
69	1/2	0.292	1-3/8	415-7797	0.71	415-8062	0.71			415-9117	1.47
70	3/8	0.028	1-1/4	415-7798	0.71	415-8063	0.71			415-9118	1.47
71	3/8	0.026	1-1/4	415-7799	0.71	415-8064	0.71			415-9119	1.47
72	5/16	0.025	1-1/8	415-7800	0.71	415-8065	0.71			415-9120	1.47
73	5/16	0.024	1-1/8	415-7801	0.94	415-8066	0.94			415-9121	1.47
74	1/4	0.0225	1	415-7802	0.94	415-8067	0.94			415-9122	1.47
75	1/4	0.01	1	415-7803	0.94	415-8068	0.94			415-9123	1.53
76	3/16	0.02	7/8	415-7804	0.94	415-8069	0.94			415-9124	1.53
77	3/16	0.018	7/8	415-7805	1.06	415-8070	1.06			415-9125	1.53
78	3/16	0.016	7/8	415-7806	1.06	415-8071	1.06			415-9126	1.53
79	1/8	0.0145	3/4	415-7807	1.06	415-8072	1.06			415-9127	1.53
80	1/8	0.0135	3/4	415-7808	1.06	415-8073	1.06			415-9128	1.53

Jobber Length • DRILLS

SHARS Letter Size Straight Shank Jobber Length Drill

Drill Material	Application	Drill Point	Finish	Brand	Part #	Spec
High Speed Steel	General Purpose	118°	Bright	USA Made	415-7703	
			Black Oxide	USA Made	415-7968	
M7 HSS	Heavy Duty	135° split point	Black Oxide	USA Made	415-8217	
Cobalt M42	Heavy Duty	135° split point	Straw Finish	USA Made	415-9023	NAS 907

USA Made: A to E 12 pcs/pkg F to Z 6 pcs/pkg

BRIGHT FINISH



OXIDE FINISH



HEAVY DUTY OXIDE FINISH



NAS 907 - M42 COBALT - STRAW FINISH



Letter Size	Flute Length	DEC.	OAL	BRIGHT FINISH		BLACK OXIDE		HEAVY DUTY OXIDE		M42 COBALT BRONZE OXIDE	
				2 Flute	Price	2 Flute	Price	2 Flute	Price	2 Flute	Price
A	2-5/8"	0.234"	3-7/8"	415-7703	\$1.19	415-7968	\$1.19	415-8217	\$1.41	415-9023	\$2.73
B	2-3/4	0.238	4	415-7704	1.12	415-7969	1.12	415-8218	1.41	415-9024	3.15
C	2-3/4	0.242	4	415-7705	1.12	415-7970	1.12	415-8219	1.41	415-9025	3.15
D	2-3/4	0.246	4	415-7706	1.16	415-7971	1.16	415-8220	1.41	415-9026	3.54
E	2-3/4	0.25	4	415-7707	1.18	415-7972	1.18	415-8221	1.41	415-9027	3.58
F	2-7/8	0.257	4-1/8	415-7708	1.61	415-7973	1.61	415-8222	1.81	415-9028	3.15
G	2-7/8	0.261	4-1/8	415-7709	1.55	415-7974	1.55	415-8223	1.81	415-9029	3.15
H	2-7/8	0.266	4-1/8	415-7710	1.58	415-7975	1.55	415-8224	1.81	415-9030	3.54
I	2-7/8	0.272	4-1/8	415-7711	1.61	415-7976	1.61	415-8225	1.81	415-9031	3.54
J	2-7/8	0.277	4-1/8	415-7712	1.67	415-7977	1.67	415-8226	2.20	415-9032	3.54
K	2-15/16	0.281	4-1/4	415-7713	1.69	415-7978	1.69	415-8227	2.20	415-9033	3.54
L	2-15/16	0.29	4-1/4	415-7714	1.79	415-7979	1.79	415-8228	2.20	415-9034	4.03
M	3-1/16	0.295	4-3/8	415-7715	1.88	415-7980	1.88	415-8229	2.69	415-9035	4.27
N	3-1/16	0.302	4-3/8	415-7716	1.95	415-7981	1.95	415-8230	2.69	415-9036	4.27
O	3-3/16	0.316	4-1/2	415-7717	2.11	415-7982	2.11	415-8231	2.69	415-9037	4.72
P	3-5/16	0.323	4-5/8	415-7718	2.27	415-7983	2.27	415-8232	3.04	415-9038	5.01
Q	3-7/16	0.332	4-3/4	415-7719	2.37	415-7984	2.37	415-8233	3.04	415-9039	5.19
R	3-7/16	0.339	4-3/4	415-7720	2.45	415-7985	2.45	415-8234	3.04	415-9040	5.19
S	3-1/2	0.348	4-7/8	415-7721	2.56	415-7986	2.56	415-8235	3.47	415-9041	6.38
T	3-1/2	0.358	4-7/8	415-7722	2.69	415-7987	2.69	415-8236	3.47	415-9042	6.38
U	3-5/8	0.358	5	415-7723	2.91	415-7988	2.91	415-8237	3.68	415-9043	6.38
V	3-5/8	0.377	5	415-7724	3.01	415-7989	3.01	415-8238	3.68	415-9044	7.03
W	3-3/4	0.386	5-1/8	415-7725	3.21	415-7990	3.21	415-8239	4.17	415-9045	7.03
X	3-3/4	0.397	5-1/8	415-7726	3.40	415-7991	3.40	415-8240	4.17	415-9046	7.03
Y	3-7/8	0.404	5-1/4	415-7727	3.57	415-7992	3.57	415-8241	4.56	415-9047	7.45
Z	3-7/8	0.413	5-1/4	415-7728	3.64	415-7993	3.64	415-8242	4.56	415-9048	8.11

SHARS Wire Gauge Size Straight Shank Jobber Length Drill

Drill Material	Application	Drill Point	Finish	Brand	Part #	Spec
High Speed Steel	General Purpose	118°	Bright	USA Made	415-7729	
			Black Oxide	USA Made	415-7994	
M7 HSS	Heavy Duty	135° split point	Black Oxide	USA Made	415-8243	
Cobalt M42	Heavy Duty	135° split point	Straw Finish	USA Made	415-9049	NAS 907

USA Made: all sizes are 12 pcs/pkg

BRIGHT FINISH



OXIDE FINISH



HEAVY DUTY OXIDE FINISH



NAS 907 - M42 COBALT - STRAW FINISH



WIRE Size	Flute Length	DEC.	OAL	BRIGHT FINISH		BLACK OXIDE		HEAVY DUTY BLACK OXIDE		M42 COBALT BRONZE OXIDE	
				2 Flute	Price	2 Flute	Price	2 Flute	Price	2 Flute	Price
1	2-5/8"	0.228"	3-7/8"	415-7729	\$1.19	415-7994	\$1.19	415-8243	\$1.23	415-9049	\$2.76
2	2-5/8	0.221	3-7/8	415-7730	1.19	415-7995	1.19	415-8244	1.23	415-9050	2.76
3	2-1/2	0.213	3-3/4	415-7731	1.09	415-7996	1.09	415-8245	1.15	415-9051	2.59
4	2-1/2	0.209	3-3/4	415-7732	1.09	415-7997	1.09	415-8246	1.15	415-9052	2.59
5	2-1/2	0.2055	3-3/4	415-7733	1.08	415-7998	1.08	415-8247	1.15	415-9053	2.59

Jobber Length • DRILLS

SHARS HSS & Cobalt Jobber Drill Sets

USA Made

Import



Import Shown

USA Made Shown

Pieces	DESCRIPTION	Finish	Application	Material	Drill Type	Economy		USA Made	
						Order #	PRICE	Order #	PRICE
60	#1-#60	Bright	Std.	HSS	Ground	404-2261	\$19.25	415-7643	\$48.61
60	#1-#60	Straw	Heavy Duty	Cobalt M42	Ground			415-7657	90.24
20	#61-#80	Bright	Std.	HSS	Ground	404-2262	3.90		
115	1/16-1/2,A-Z,#1-#60	Black Oxide	Std.	HSS	Ground	404-2203	41.95	415-7644	154.43
115	1/16-1/2,A-Z,#1-#60	Bright	Std.	HSS	Ground	404-2267	49.00	415-7645	154.43
115	1/16-1/2,A-Z,#1-#60	Tin Coated	Std.	HSS	Ground	404-2266	46.95		
115	1/16-1/2,A-Z,#1-#60	Straw	Heavy Duty	Cobalt M42	Ground	404-2203C	175.00	415-7645	154.43
15	1/16-1/2x32nds	Straw	Heavy Duty	Cobalt M42	Ground			415-7653	63.69
29	1/16-1/2x64nds	Black Oxide	Std.	HSS	Forged	404-2260	14.00		
29	1/16-1/2x64nds	Bright	Std.	HSS	Ground			415-7638	53.73
29	1/16-1/2x64nds	Straw	Heavy Duty	Cobalt M42	Ground	404-2260C	59.95	415-7656	103.39
29	1/16-1/2x64ths 135 Split Point	Black Oxide	Heavy Duty	HSS	Ground			415-7639	66.88
29	1/16-1/2x64ths 135 Split Point	Tin Coated	Heavy Duty	HSS	Ground	404-2201	20.95	415-7641	132.87
26	A-Z	Bright	Std.	HSS	Ground	404-2263	22.50	415-7636	55.30
26	A-Z	Straw	Heavy Duty	Cobalt M42	Ground	404-2263C	60.45	415-7655	105.64
25	1-13mm	Black Oxide	Std.	HSS	Forged	404-2264	21.50		

SHARS 148 Piece Drill Package

Includes:

Import

115 Piece Jobber Drill Set

- Fractional sizes 1/16" to 1/2" by 64ths, Numbered sizes 1-60, Letter sizes A-Z
- Forged, 118 degree pt.

25 Piece Metric Jobber Drill Set

- 1" to 13 by .5mm, forged, black oxide finish, 118 degree pt.

8 Piece 1/2" shanks Drill Set

- 9/16, 5/8, 11/16, 3/4, 13/16, 7/8, 15/16, 1"

- In indexed metal case or plastic case.

Wt 17.00 lbs

Order No. Price
404-2265 **\$89.00**(D)



SHARS NC Spotting Drills-M35 5% Cobalt Right Hand-90° Split Point

- Fully ground and made for CNC drilling
- Designed for quick starting and a constant web to allow for resharpening without the need for web thinning



Dia.	Flute Length	OAL	Order No.	Price(E)
.118"	3/4"	2"	404-0250	\$1.90
.125	3/4"	2-1/2"	404-0259	1.95
.157	7/8"	2-3/16"	404-0251	1.95
.197	1"	2-3/8"	404-0252	3.20
.236	1"	2-3/4"	404-0253	3.60
1/4"	1"	2-3/4"	404-0254	4.00
.315	1-1/8"	3-1/8"	404-0255	6.50
3/8"	1-1/8"	3-1/2"	404-0256	9.30
1/2"	1-1/2"	4"	404-0257	14.00
3/4"	1-3/4"	5-1/8"	404-0258	29.95

SHARS Solid Carbide N/C Spotting Drills

Fine Grain • 90°, 120° or 140° High Performance Point Angle

Material	Alloy Steel	Stainless Steel
Application	★	★

USA Made



Micrograin solid carbide blank combine with shorter flute length improve its rigidity, strength and precision.

Size	Shank Diameter	Flute Length	Overall Length	140° High Performance		
				90° Order No.	120° Order No.	Order No. Price
1/8"	1/8"	1/4"	2"	415-3227	415-3234	415-3241 \$9.65
3/16"	3/16"	3/8"	2"	415-3228	415-3235	415-3242 11.48
1/4"	1/4"	3/8"	3"	415-3229	415-3236	415-3243 13.94
3/8"	3/8"	1/2"	4"	415-3230	415-3237	415-3244 22.15
1/2"	1/2"	3/4"	4"	415-3231	415-3238	415-3245 37.04
5/8"	5/8"	1"	4"	415-3232	415-3239	415-3246 65.93
3/4"	3/4"	1"	4"	415-3233	415-3240	415-3247 88.52