

Single End Finishers

Style HG-4C • HSS, Single End, 4-Flute, Center Cutting

formerly styles 583, 588, 591

FEATURES

ANSI SIZES
HSS SUBSTRATE
GENERAL PURPOSE
BRIGHT
4+ FLUTE CC
TiN
30°
TiCN

APPLICATIONS

ALLOY STEEL
TOOL STEEL
CAST IRON
COPPER ALLOYS



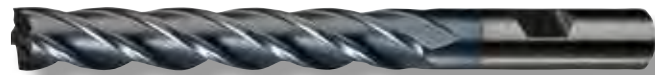
Heavy cross-section for high rigidity.



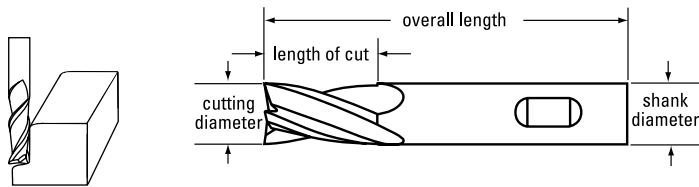
Style HG-4C Bright



Style HG-4C TiN-coated



Style HG-4C TiCN-coated



Cutting Diameter	Decimal Equiv.	Metric Equiv.	Shank Diameter		Length of Cut		Overall Length		No. of Flutes	Order Number		
			in	mm	in	mm	in	mm		Bright	TiN	TiCN
1/8	.1250	3.18	.375	9.53	.375	9.53	2.313	58.74	4	C41243	C41520	C33240
9/64	.1406	3.57	.375	9.53	.500	12.70	2.313	58.74	4	C33141	C33188	C33241
5/32	.1562	3.97	.375	9.53	.500	12.70	2.375	60.33	4	C33142	C33189	C33242
11/64	.1719	4.37	.375	9.53	.500	12.70	2.375	60.33	4	C33143	C33190	C33243
3/16	.1875	4.76	.375	9.53	.500	12.70	2.375	60.33	4	C41245	C41521	C33244
3/16	.1875	4.76	.375	9.53	1.250	31.75	3.063	77.79	4	C33371	C33384	C33406
3/16	.1875	4.76	.375	9.53	1.750	44.45	3.563	90.49	4	C33428	C33438	C33457
13/64	.2031	5.16	.375	9.53	.625	15.88	2.438	61.91	4	C33144	C33191	C33245
7/32	.2188	5.56	.375	9.53	.625	15.88	2.438	61.91	4	C33145	C33192	C33246
7/32	.2188	5.56	.375	9.53	1.250	31.75	3.063	77.79	4	C33372	C33385	C33407
7/32	.2188	5.56	.375	9.53	1.750	44.45	3.563	90.49	4	C33429	C33439	C33458
15/64	.2344	5.95	.375	9.53	.625	15.88	2.438	61.91	4	C33146	C33193	C33247
1/4	.2500	6.35	.375	9.53	.625	15.88	2.438	61.91	4	C41248	C41522	C33248
1/4	.2500	6.35	.375	9.53	1.250	31.75	3.063	77.79	4	C41326	C33386	C33408
1/4	.2500	6.35	.375	9.53	1.750	44.45	3.563	90.49	4	C41381	C33440	C33459
17/64	.2656	6.75	.375	9.53	.750	19.05	2.500	63.50	4	C33147	C33194	C33249
9/32	.2812	7.14	.375	9.53	.750	19.05	2.500	63.50	4	C33148	C33195	C33250
9/32	.2812	7.14	.375	9.53	1.375	34.93	3.125	79.38	4	C33373	C33387	C33409
9/32	.2812	7.14	.375	9.53	2.000	50.80	3.250	82.55	4	C33430	C33441	C33460
19/64	.2969	7.54	.375	9.53	.750	19.05	2.500	63.50	4	C33149	C33196	C33251
5/16	.3125	7.94	.375	9.53	.750	19.05	2.500	63.50	4	C41250	C41523	C33252
5/16	.3125	7.94	.375	9.53	1.375	34.93	3.125	79.38	4	C41328	C33388	C33410
5/16	.3125	7.94	.375	9.53	2.000	50.80	3.250	82.55	4	C41383	C33442	C33461
21/64	.3281	8.33	.375	9.53	.750	19.05	2.500	63.50	4	C33150	C33197	C33253
11/32	.3438	8.73	.375	9.53	.750	19.05	2.500	63.50	4	C33151	C33198	C33254
11/32	.3438	8.73	.375	9.53	1.500	38.10	3.250	82.55	4	C33374	C33389	C33411
11/32	.3438	8.73	.375	9.53	2.500	63.50	4.250	107.95	4	C33431	C33443	C33462
23/64	.3594	9.13	.375	9.53	.750	19.05	2.500	63.50	4	C33152	C33199	C33255
3/8	.3750	9.53	.375	9.53	.750	19.05	2.500	63.50	4	C41253	C41524	C33256
3/8	.3750	9.53	.375	9.53	1.500	38.10	3.250	82.55	4	C41331	C33390	C33412
3/8	.3750	9.53	.375	9.53	2.500	63.50	4.250	107.95	4	C41386	C33444	C33463
25/64	.3906	9.92	.375	9.53	1.000	25.40	2.688	68.26	4	C33153	C33200	C33257

continued on next page



General Application End Mills

Single End Finishers

Style HG-4C • HSS, Single End, 4-Flute, Center Cutting (continued) formerly styles 583, 588, 591

Cutting Diameter	Decimal Equiv.	Metric Equiv.	Shank Diameter		Length of Cut		Overall Length		No. of Flutes	Order Number		
			in	mm	in	mm	in	mm		Bright	TiN	TiCN
13/32	.4062	10.32	.375	9.53	1.000	25.40	2.688	68.26	4	C33154	C33201	C33258
13/32	.4062	10.32	.375	9.53	2.750	69.85	4.500	114.30	4	C33432	C33445	C33464
13/32	.4062	10.32	.500	12.70	1.750	44.45	3.750	95.25	4	C33375	C33391	C33413
27/64	.4219	10.72	.375	9.53	1.000	25.40	2.688	68.26	4	C33155	C33202	C33259
7/16	.4375	11.11	.375	9.53	1.000	25.40	2.688	68.26	4	C41254	C33203	C33260
7/16	.4375	11.11	.375	9.53	2.750	69.85	4.500	114.30	4	C33433	C33446	C33465
7/16	.4375	11.11	.500	12.70	1.750	44.45	3.750	95.25	4	C33376	C33392	C33414
29/64	.4531	8.71	.500	12.70	1.250	31.75	3.250	82.55	4	C33157	C33204	C33261
15/32	.4688	11.91	.500	12.70	1.250	31.75	3.250	82.55	4	C33158	C33205	C33262
15/32	.4688	11.91	.500	12.70	2.000	50.80	5.000	127.00	4	C33434	C33447	C33466
15/32	.4688	11.91	.500	12.70	2.000	50.80	4.000	101.60	4	C33377	C33393	C33415
31/64	.4844	12.30	.500	12.70	1.250	31.75	3.250	82.55	4	C33159	C33206	C33263
1/2	.5000	12.70	.375	9.53	1.000	25.40	2.688	68.26	4	C33160	C33207	C33264
1/2	.5000	12.70	.500	12.70	1.250	31.75	3.250	82.55	4	C41257	C41525	C33265
1/2	.5000	12.70	.500	12.70	2.000	50.80	5.000	127.00	4	C41390	C33448	C33467
1/2	.5000	12.70	.500	12.70	2.000	50.80	4.000	101.60	4	C41335	C33394	C33416
17/32	.5312	13.49	.500	12.70	1.375	34.93	3.375	85.73	4	C33161	C33208	C33266
9/16	.5625	14.29	.500	12.70	1.375	34.93	3.375	85.73	4	C33162	C33209	C33267
19/32	.5938	15.08	.500	12.70	1.375	34.93	3.375	85.73	4	C33163	C33210	C33268
5/8	.6250	15.88	.500	12.70	1.375	34.93	3.375	85.73	4	C33164	C33211	C33269
5/8	.6250	15.88	.625	15.88	1.625	41.28	3.750	95.25	4	C41260	C41526	C33270
5/8	.6250	15.88	.625	15.88	2.500	63.50	4.625	117.48	4	C41338	C33395	C33417
5/8	.6250	15.88	.625	15.88	4.000	101.60	6.125	155.58	4	C41393	C33449	C33468
21/32	.6562	16.67	.625	15.88	1.625	41.28	3.750	95.25	4	C33165	C33212	C33271
11/16	.6875	17.46	.500	12.70	1.625	41.28	3.375	85.73	4	C33166	C33213	C33272
11/16	.6875	17.46	.625	15.88	1.625	41.28	3.750	95.25	4	C41262	C33214	C33273
23/32	.7188	18.26	.750	19.05	1.625	41.28	3.875	98.43	4	C33167	C33215	C33274
3/4	.7500	19.05	.500	12.70	1.625	41.28	3.375	85.73	4	C33168	C33216	C33275
3/4	.7500	19.05	.625	15.88	1.625	41.28	3.750	95.25	4	C33169	C33217	C33276
3/4	.7500	19.05	.750	19.05	1.625	41.28	3.875	98.43	4	C41264	C41527	C33277
3/4	.7500	19.05	.750	19.05	3.000	76.20	5.240	133.10	4	C41341	C33396	C33418
3/4	.7500	19.05	.750	19.05	4.000	101.60	6.250	158.75	4	C41396	C33450	C33469
25/32	.7812	19.84	.750	19.05	1.875	47.63	4.125	104.78	4	C33170	C33218	C33278
13/16	.8125	20.64	.625	15.88	1.875	47.63	4.000	101.60	4	C33171	C33219	C33279
27/32	.8438	21.43	.875	22.23	1.875	47.63	4.000	101.60	4	C33172	C33220	C33280
7/8	.8750	22.23	.625	15.88	1.875	47.63	4.000	101.60	4	C33173	C33221	C33281
7/8	.8750	22.23	.750	19.05	1.875	47.63	4.125	104.78	4	C33174	C33222	C33282
7/8	.8750	22.23	.875	22.23	1.875	47.63	4.125	104.78	4	C41268	C33223	C33283
7/8	.8750	22.23	.875	22.23	3.500	88.90	5.750	146.05	4	C41345	C33397	C33419
7/8	.8750	22.23	.875	22.23	5.000	127.00	7.250	184.15	4	C41400	C33451	C33470
29/32	.9062	23.02	.875	22.23	1.875	47.63	4.125	104.78	4	C33175	C33224	C33284
15/16	.9375	23.81	.875	22.23	1.875	47.63	4.125	104.78	4	C33176	C33225	C33285
31/32	.9688	24.61	1.000	25.40	2.000	50.80	4.500	114.30	4	C33177	C33226	C33286
1	1.0000	25.40	.625	15.88	1.875	47.63	4.000	101.60	4	C33178	C33227	C33287
1	1.0000	25.40	.750	19.05	1.875	47.63	4.125	104.78	4	C33179	C33228	C33288
1	1.0000	25.40	.875	22.23	1.875	47.63	4.125	104.78	4	C33180	C33229	C33289
1	1.0000	25.40	1.000	25.40	2.000	50.80	4.500	114.30	4	C41272	C41528	C33290
1	1.0000	25.40	1.000	25.40	4.000	101.60	6.500	165.10	4	C41349	C33398	C33420
1	1.0000	25.40	1.000	25.40	6.000	152.40	8.500	215.90	4	C41404	C33452	C33471

continued on next page



DRILLING

HOLE FINISHING

THREADING

MILLING

OTHER TOOLS