

2-Flute Regular Length HSCO – Metric

These end mills come standard with right-hand cutting and right-hand helical flutes. All shanks are flatted for holder set screw. Designed for slotting, drilling, pocketing and general-purpose operation.

- 2 helical flutes
- Single end with weldon shank
- Centre cutting
- Keyway tolerance



Speeds & Feeds > P. A43

Cutting Dia. (mm)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	Code No.	Price \$
Metric					
2 mm	3/8	5/16	2-5/16	103700	29.39
3 mm	3/8	5/16	2-5/16	103702	24.47
3.5 mm	3/8	7/16	2-5/16	103703	30.05
4 mm	3/8	7/16	2-5/16	103704	29.39
5 mm	3/8	1/2	2-5/16	103706	29.39
5.5 mm	3/8	1/2	2-5/16	103707	28.31
6 mm	3/8	1/2	2-5/16	103708	29.39
7 mm	3/8	9/16	2-5/16	103710	29.39
8 mm	3/8	9/16	2-5/16	103712	29.39
9 mm	3/8	9/16	2-5/16	103713	29.39
10 mm	3/8	13/16	2-1/2	103714	29.39
11 mm	3/8	13/16	2-1/2	103715	44.85
12 mm	3/8	13/16	2-1/2	103716	44.85
14 mm	1/2	1-1/8	3-1/8	103718	52.18
16 mm	5/8	1-5/16	3-7/16	103720	63.98
18 mm	5/8	1-5/16	3-7/16	103722	74.71
20 mm	5/8	1-1/2	3-3/4	103724	83.22
22 mm	3/4	1-1/2	3-3/4	103726	96.00
24 mm	3/4	2	4-1/2	103728	123.80

2-Flute Long Length HSCO



Speeds & Feeds > P. A43

Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	Code No.	Price \$
Inch					
1/4	3/8	1-1/4	3-1/8	103130	33.53
5/16	3/8	1-3/8	3-1/8	103132	33.53
3/8	3/8	1-1/2	3-1/4	103134	33.53
1/2	1/2	2	4	103136	47.21
5/8	5/8	2	4-1/8	103138	68.31
3/4	3/4	2-1/4	4-1/2	103140	77.95
7/8	7/8	2-1/2	4-3/4	103142	93.49
1	1	3	5-1/2	103144	130.53
1-1/8	1	3	5-1/2	103146	161.65
1-1/4	1-1/4	3	5-1/2	103150	177.08
1-1/2	1-1/4	3	5-1/2	103152	242.67
1-3/4	1-1/4	3	5-1/2	103154	296.83
2	1-1/4	3	5-1/2	103156	435.03

2-Flute Extended Shank HSCO



Speeds & Feeds > P. A43

Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Length Below Shank	Overall Length (in.)	Comb. Shank Code No.	Price \$	Weldon Flat Code No.	Price \$
Inch								
1/8	3/8	3/8	13/16	2-3/8	-	-	103158	28.46
3/16	3/8	1/2	1-1/8	2-11/16	103622	27.26	103160	30.46
1/4	3/8	5/8	1-1/2	3-1/16	103624	25.43	103162	30.46
5/16	3/8	3/4	1-3/4	3-5/16	-	-	103164	30.48
3/8	3/8	3/4	1-3/4	3-5/16	103628	25.70	103166	30.48
1/2	1/2	1	2-7/32	4	103630	29.62	103168	42.79
5/8	5/8	1-3/8	2-23/32	4-5/8	103632	76.08	103170	70.87
3/4	3/4	1-5/8	3-11/32	5-3/8	103634	103.32	103172	82.08
7/8	7/8	2	4	6	103636	102.36	103174	118.47
1	1	2-1/2	4-31/32	7-1/4	-	-	103176	159.07
1-1/4	1-1/4	3	4-31/32	7-1/4	-	-	103178	196.50

2-Flute Regular Length HSS For Aluminum



The 2-flute end mills for aluminum have high helix flute design making them well suited for milling aluminum and other non-ferrous materials.



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Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	Code No.	Price \$
Inch					
1/4	3/8	5/8	2-7/16	103506	22.85
5/16	3/8	3/4	2-1/2	103507	22.85
3/8	3/8	3/4	2-1/2	103508	22.85
7/16	3/8	1	2-11/16	103509	33.14
1/2	1/2	1-1/4	3-1/4	103510	33.14
5/8	5/8	1-5/8	3-3/4	103511	53.28
3/4	3/4	1-5/8	3-7/8	103512	69.35
7/8	3/4	1-7/8	4-1/8	103513	83.72
1	1	2	4-1/2	103514	104.79
1-1/4	1-1/4	2	4-1/2	103515	154.71
1-1/2	1-1/4	2	4-1/2	103516	241.46
2	1-1/4	2	4-1/2	103517	365.54

2-Flute Extra Long Length HSS For Aluminum



Speeds & Feeds > P. A43

Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	Code No.	Price \$
Inch					
1/4	3/8	1-3/4	3-9/16	103529	30.44
5/16	3/8	2	3-3/4	103530	30.44
3/8	3/8	2-1/2	4-1/4	103531	30.44
1/2	1/2	3	5	103532	51.57
5/8	5/8	4	6-1/8	103533	90.07
3/4	3/4	4	6-1/4	103534	117.21
1	1	6	8-1/2	103535	174.27
1-1/4	1-1/4	6	8-1/2	103536	277.40
1-1/2	1-1/4	8	10-1/2	103537	375.85

2-Flute Long Length HSS For Aluminum



Speeds & Feeds > P. A43

Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	Code No.	Price \$
Inch					
1/4	3/8	1-1/4	3-1/16	103518	28.23
5/16	3/8	1-3/8	3-1/8	103519	28.22
3/8	3/8	1-1/2	3-1/4	103520	28.22
7/16	1/2	1-3/4	3-3/4	103521	43.83
1/2	1/2	2	4	103522	42.16
5/8	5/8	2-1/2	4-5/8	103523	69.24
3/4	3/4	3	5-1/4	103524	91.80
1	1	4	6-1/2	103525	149.32
1-1/4	1-1/4	4	6-1/2	103526	218.80
1-1/2	1-1/4	4	6-1/2	103527	312.14
2	1-1/4	4	6-1/2	103528	484.11

Tolerances - Inch

Size	Diameter	Shank Diameter
3/32 thru 1"	+0.0000"-0.002"	+0.00000"-0.0005"

Tolerances - Metric

Size	Diameter	Shank Diameter
1mm-25mm	+0.000mm-0.051mm	+0.000mm-0.013mm

Steel

Stainless Steel

Cast Iron/Hardened

Aluminum