

4-Flute Double End Stub Length Miniature HSCO

Suitable for finishing of precision components such as watch, camera, and electronic apparatus molds.

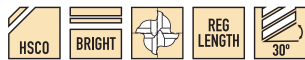


Speeds & Feeds > P. A40

Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	Code No.	Price \$
Inch					
1/16	3/16	3/32	2	103461	19.09
5/64	3/16	1/8	2	103462	18.01
3/32	3/16	9/64	2	103463	18.01
7/64	3/16	5/32	2	103464	16.28
1/8	3/16	3/16	2	103465	18.01
9/64	3/16	7/32	2	103466	15.39
5/32	3/16	15/64	2	103467	19.09
11/64	3/16	1/4	2	103468	15.39
3/16	3/16	9/32	2	103469	15.39

4-Flute Double End Regular Length Miniature HSCO

Suitable for finishing of precision components such as watch, camera, and electronic apparatus molds, etc.

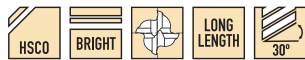


Speeds & Feeds > P. A40

Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	Code No.	Price \$
Inch					
1/16	3/16	3/16	2-1/4	103470	18.01
5/64	3/16	15/64	2-1/4	103471	18.01
3/32	3/16	9/32	2-1/4	103472	18.01
7/64	3/16	21/64	2-1/4	103473	18.01
1/8	3/16	3/8	2-1/4	103474	18.01
9/64	3/16	13/32	2-1/4	103475	19.09
5/32	3/16	7/16	2-1/4	103476	18.01
11/64	3/16	1/2	2-1/4	103477	16.92
3/16	3/16	1/2	2-1/4	103478	18.01

4-Flute Double End Long Length Miniature HSCO

Longer flute length. Suitable for finishing of precision components such as watch, camera and electronic apparatus molds.



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Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	Code No.	Price \$
Inch					
1/16	3/16	7/32	2-1/2	103479	19.43
5/64	3/16	1/4	2-1/2	103480	18.33
3/32	3/16	9/32	2-5/8	103481	19.43
7/64	3/16	9/32	2-5/8	103482	16.47
1/8	3/16	3/4	3-1/8	103483	20.71
9/64	3/16	3/4	3-1/8	103484	19.51
5/32	3/16	7/8	3-1/4	103485	20.71
11/64	3/16	7/8	3-1/4	103486	20.23
3/16	3/16	1	3-3/8	103487	20.71

Multi-Flute Centre Cut Heavy Duty HSCO



Speeds & Feeds > P. A40

Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	Code No.	Price \$
Inch					
2	2	2	5-3/4	103389	380.12
2	2	4	7-3/4	103390	400.72
2	2	5	8-3/4	103391	515.41
2	2	6	9-3/4	103392	547.95
2	2	8	11-3/4	103393	648.51

60° High Helix Regular Length HSCO

Faster feed and speed than normal HSS can be applied to even hardened steels over 35HRC.

- Centre cutting



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Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	Flutes	Code No.	Price \$
Inch						
1/4	3/8	5/8	2-7/16	3	103538	30.25
5/16	3/8	3/4	2-1/2	3	103539	30.25
3/8	3/8	3/4	2-1/2	3	103540	30.25
7/16	3/8	1	2-11/16	3	103541	41.82
1/2	1/2	1-1/4	3-1/4	3	103542	44.03
5/8	5/8	1-5/8	3-3/4	3	103543	63.68
3/4	3/4	1-5/8	3-7/8	3	103544	89.50
1	1	2	4-1/2	4	103546	136.55
1-1/4	1-1/4	2	4-1/2	4	103547	183.13
1-1/2	1-1/4	2	4-1/2	4	103548	331.80
2	1-1/4	2	4-1/2	4	103549	514.22

3/4" Shank Regular Length HSCO



Speeds & Feeds > P. A40

Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	Flutes	Code No.	Price \$
Inch						
3/4	3/4	1-5/8	3-7/8	4	103336	46.05
7/8	3/4	1-7/8	4-1/8	4	103338	59.25
1	3/4	1-7/8	4-1/8	4	103340	73.64
1-1/8	3/4	2	4-1/4	6	103341	105.23
1-1/4	3/4	2	4-1/4	6	103342	115.55
1-1/2	3/4	1-1/2	4-1/4	6	103343	160.67
1-3/4	3/4	1-1/2	4-1/2	6	103344	209.12
2	3/4	1-1/2	4-1/2	8	103345	239.92

4-Flute Ball Nose Regular Length HSCO

The 4-Flute Ball End Mills are designed for milling of radius bottom slots, fillets and special contours. The end teeth are cut to centre allowing these end mills to drill into material at the beginning of a slotting cut.



Speeds & Feeds > P. A40

Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	Code No.	Price \$
Inch					
1/8	3/8	3/8	2-5/16	104950	31.77
3/16	3/8	1/2	2-3/8	104952	31.77
1/4	3/8	5/8	2-7/16	104954	31.77
5/16	3/8	3/4	2-1/2	104956	31.77
3/8	3/8	3/4	2-1/2	104958	31.77
7/16	3/8	1	2-11/16	104960	43.78
1/2	1/2	1-1/4	3-1/4	104962	43.78
5/8	5/8	1-5/8	3-3/4	104964	70.40
11/16	3/4	1-5/8	3-3/4	104966	89.54
3/4	3/4	1-5/8	3-7/8	104968	89.54
7/8	7/8	1-7/8	4-1/8	104970	111.28
1	1	2	4-1/2	104972	131.90
1-1/8	1	2	4-1/2	104974	173.74
1-1/4	1-1/4	2	4-1/2	104976	216.80
1-1/2	1-1/4	2	4-1/2	104978	243.70
2	1-1/4	2	4-1/2	104980	368.85