

## 2-Flute HSCO

### 2-Flute Ball Nose Double End HSCO & HSS



Speeds & Feeds > P. A39

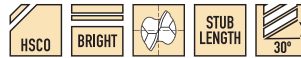
Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	HSCO Code No.	Price \$	HSS Code No.	Price \$
<b>Inch</b>							
1/8	3/8	3/8	3-1/16	104174	41.99	104226	32.22
3/16	3/8	7/16	3-1/8	104176	34.68	104228	34.15
1/4	3/8	1/2	3-1/8	104178	44.55	104230	29.52
5/16	3/8	9/16	3-1/8	104180	44.55	104232	16.75
3/8	3/8	9/16	3-1/8	104182	41.99	104234	29.52
7/16	1/2	13/16	3-3/4	104184	58.14	104236	40.64
1/2	1/2	13/16	3-3/4	104186	61.61	104238	43.08
5/8	5/8	1-1/8	4-1/2	104188	79.96	104240	71.75
3/4	3/4	1-5/16	5	104190	122.89	104242	56.42
1	1	1-5/8	5-7/8	104192	158.14	104244	126.59

### 2-Flute Ball Nose Double End Stub Length Mini HSCO



Helical flute on the nose radius. Suitable for high efficiency copying process and cutting of die mold corner radius.

- Stub length
- 2 helical flutes, ball end
- Double end with straight shank



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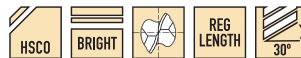
Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	Code No.	Price \$
<b>Inch</b>					
1/16	3/16	3/32	2	103270	34.08
3/32	3/16	9/64	2	103271	34.08
1/8	3/16	3/16	2	103272	29.81
5/32	3/16	15/64	2	103273	28.13
3/16	3/16	9/32	2	103274	31.62

### 2-Flute Ball Nose Double End Regular Length Mini HSCO



Helical flute on the nose radius. Suitable for high efficiency copying process and cutting of die mold corner radius.

- Regular length
- 2 helical flutes, ball end
- Double end with straight shank



Speeds & Feeds > P. A39

Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	Code No.	Price \$
<b>Inch</b>					
1/32	3/16	3/32	2	103420	38.45
3/64	3/16	1/16	2	103421	38.67
1/16	3/16	3/32	2	103488	34.65
5/64	3/16	1/8	2	103489	34.31
3/32	3/16	9/64	2	103490	34.65
7/64	3/16	21/64	2-1/4	103491	38.55
1/8	3/16	3/8	2-1/4	103492	30.54
9/64	3/16	13/32	2-1/4	103493	30.36
5/32	3/16	7/16	2-1/4	103494	30.32
11/64	3/16	1/2	2-1/4	103495	30.36
3/16	3/16	1/2	2-1/4	103496	33.98

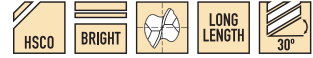
## 3-Flute HSCO

### 2-Flute Ball Nose Double End Long Length Mini HSCO



Longer flute length. Helical flute on the nose radius. Suitable for high efficiency copying process and cutting of die mold corner radius.

- Long length
- 2 helical flutes, ball end
- Double end with straight shank



Speeds & Feeds > P. A39

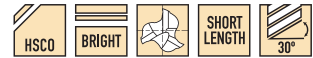
Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	Code No.	Price \$
<b>Inch</b>					
1/16	3/16	7/32	2-1/2	103497	36.71
3/32	3/16	9/32	2-5/8	103499	34.63
1/8	3/16	3/4	3-1/8	103501	34.26
5/32	3/16	7/8	3-1/4	103503	36.37
3/16	3/16	1	3-3/8	103504	32.95

### 3-Flute Short Length Throwaway HSCO



Well balanced web design to minimize deflection and chattering.

- High accuracy for outside diameter is guaranteed under the strict tolerance control
- 3 helical flutes
- Single end with weldon shank



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Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	Code No.	Price \$
<b>Inch</b>					
1/16	1/4	3/32	31/32	103580	11.83
3/32	1/4	5/32	1-1/64	103582	11.83
1/8	1/4	3/16	1-3/32	103584	11.83
5/32	1/4	1/4	1-9/32	103586	11.83
3/16	1/4	9/32	1-11/32	103588	11.83
7/32	1/4	5/16	1-13/32	103590	11.83
1/4	1/4	3/8	1-13/32	103592	11.83

### 3-Flute Long Length Throwaway HSCO



Well balanced web design to minimize deflection and chattering.

- High accuracy for outside diameter is guaranteed under the strict tolerance control
- 3 helical flutes
- Single end with weldon shank



Speeds & Feeds > P. A40

Cutting Dia. (in.)	Shank Dia. (in.)	Flute Length (in.)	Overall Length (in.)	Code No.	Price \$
<b>Inch</b>					
1/16	1/4	5/32	1-3/32	103594	13.28
5/64	1/4	7/32	1-3/16	103596	12.86
3/32	1/4	1/4	1-1/4	103598	12.86
7/64	1/4	9/32	1-9/32	103600	12.86
1/8	1/4	5/16	1-11/32	103602	13.28
9/64	1/4	11/32	1-7/16	103604	12.86
5/32	1/4	3/8	1-17/32	103606	13.28
11/64	1/4	13/32	1-19/32	103608	10.80
3/16	1/4	7/16	1-21/32	103610	13.28
13/64	1/4	15/32	1-11/16	103612	12.86
7/32	1/4	1/2	1-3/4	103614	13.28
15/64	1/4	9/16	1-13/16	103616	10.19
1/4	1/4	5/8	1-3/4	103618	13.28