



***DATA FLUTE***



**SSI-4  
EXPANDED**

**SSI-5  
NEW SERIES**

**High Performance Carbide End Mills**  
Titanium and Ferrous Alloys

Variably Indexed • Patented Geometries

**T**hree significant trends are driving tool development and application in many areas of the cutting tool industry; widespread prevalence of titanium and other high temperature, ferrous alloys; increased demand for productivity; a desire on the part of many end users to minimize tool changes. Data Flute has expanded the SSI-4 series and developed the new SSI-5 series of tools in direct response to these trends.

Over the past few months we examined our SSI-4 series with an eye toward expanding our offering. The result is that the SSI-4 has grown from its original set of 16 standard shank sizes and 8 necked shank items to a series that offers 122 different sizes, not including the different radii offered. The updated series will include the following assortment:

- 58 Standard Shank
- 29 Reduced Neck
- 29 Ball Nose
- 6 3/8" Shank Tools

The assortment of sizes, shanks and radii reflect the diversity of machining challenges that our end-user customers face each and every day. We are committed to the belief that tailoring the tool to the application is key to driving productivity. The proven geometry of the SSI-4, coupled with the expanded size offering, will provide you with the ability to select the best tool and the best size for the job at hand.

The SSI-5 is a brand new series of five flute, variably indexed tools with patented geometry. Our goal in designing and developing the SSI-5 was to get as close as possible to the "go anywhere, do anything, sport utility vehicle" for ferrous alloys. The SSI-5 is perfect for those who are looking to accomplish a wide variety of tasks in ferrous alloys, while minimizing tool changes. This tool possesses a broad range of capabilities at exceptional metal removal rates. Data Flute is pleased to offer the SSI-5 family of five flute, variably indexed tools in a wide range of sizes and radii. The SSI-5 series mirrors the SSI-4 series in standard and reduced neck shank sizes.



## Series

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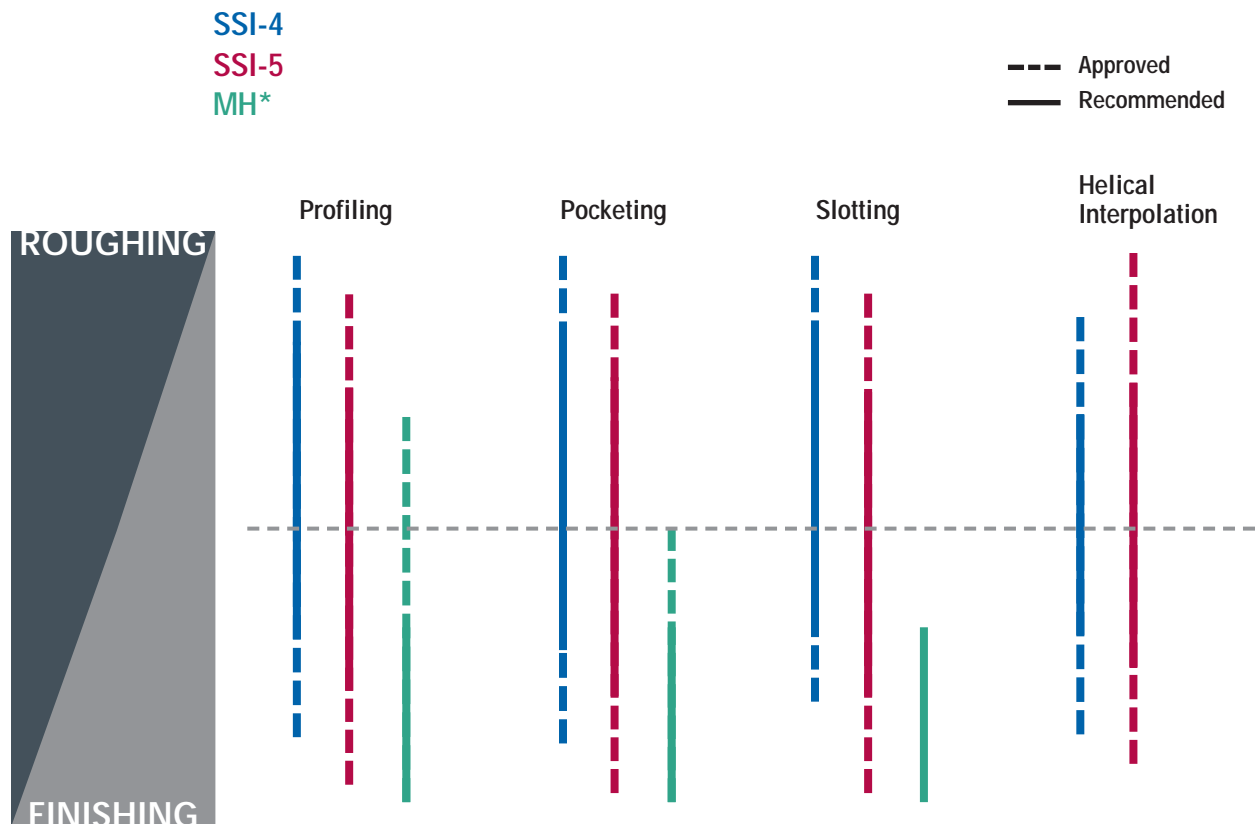
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# Data Flute Ferrous Series Tools

## Application Guideline Chart

This chart provides basic guidelines on applications which are most appropriate for our **SSI-4**, **SSI-5** and **MH\*** series of high performance, carbide end mills. Along the left hand side, we portray a rough continuum of operations from pure roughing to pure finishing. Along the top we list primary machining applications. We have then placed our **SSI-4**, **SSI-5** and **MH** tools against this matrix of operations and applications in order to provide basic guidelines of where each series of tool will do a great job and where each series will really excel. Our **MH** is primarily a finishing tool. The **SSI-4** and **SSI-5** however, will cover a wider band of operations from roughing to finishing, but will not extend as deeply into finishing territory as the **MH** series. Within these broad guidelines, actual tool selection will come down to the details of the operation, application, machine set-up and personal preference. As always, please consult with one of our field technical sales representatives, or call our factory tech support to assist in tool selection.



\*We have included our MH tool in this schematic in order to present a fuller picture of our finishing tool options. For complete information on our MH series, please consult our Data Flute catalog.



The SSI-4 is the foundation on which our variably indexed family of ferrous rougher/finishers was built. The SSI-4 is a proven, performance driven, ferrous rougher that has the geometry to successfully venture into finishing territory as well. Now updated and expanded to over 70 stocked sizes, we hope that the SSI-4 will be the "go-to" tool for most of your ferrous alloy applications.

Speed - Feed SSI-4 Flute

Diameter	Materials Description	Carbon Steel	Alloy Steel	Stainless Steel 300 Series	Stainless Steel 400 Series	Precipitation Stainless Steel	Gray Cast Iron	Ductile Cast Iron	High Temp Alloys	Titanium Pure	Titanium Cast / Wrought
		10XX, 11XX, 12XX, 13XX	40XX, 41XX, 42XX, 43XX, 44XX, 46XX, 86XX, Series	304, 304L, 316, 316L, 312	420, 420F, 416, 440C	15-5PH, 16-6PH, 17-4PH, AM-XX Series	Gray	Ductile	Inconel 625/718, A286, Haynes	Pure	Cast/ Wrought 6AL4V, ASTM 1,2,3, Alpha - Beta
	SFM < 32Rc	200 - 450	150 - 300	150 - 350	200 - 450	80 - 250	250 - 450	120 - 350	70 - 120	140 - 220	140 - 250
	SFM > 32Rc	100 - 250	80 - 200	80 - 200	100 - 250	90 - 125	130 - 300	80 - 140	40 - 90	90 - 160	90 - 160
1/8"	S	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0008	0.0007	0.0010	0.0010
	HP	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0012	0.0011	0.0014	0.0014
	LP	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0012	0.0016	0.0016
	F	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0024	0.0021	0.0028	0.0028
1/4"	S	0.0014	0.0013	0.0014	0.0014	0.0013	0.0013	0.0013	0.0009	0.0014	0.0013
	HP	0.0016	0.0015	0.0016	0.0016	0.0015	0.0015	0.0015	0.0012	0.0016	0.0015
	LP	0.0019	0.0017	0.0019	0.0019	0.0017	0.0017	0.0017	0.0014	0.0019	0.0017
	F	0.0035	0.0031	0.0035	0.0035	0.0031	0.0031	0.0031	0.0025	0.0035	0.0031
5/16"	S	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0013	0.0011	0.0013	0.0013
	HP	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016	0.0016
	LP	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019	0.0019
	F	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033	0.0033
3/8"	S	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0018	0.0015	0.0018	0.0018
	HP	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021	0.0021
	LP	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025	0.0025
	F	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045	0.0045
1/2"	S	0.0028	0.0025	0.0025	0.0025	0.0024	0.0025	0.0025	0.0018	0.0028	0.0022
	HP	0.0033	0.0029	0.0029	0.0029	0.0027	0.0029	0.0029	0.0024	0.0033	0.0029
	LP	0.0037	0.0033	0.0033	0.0033	0.0030	0.0033	0.0033	0.0026	0.0037	0.0035
	F	0.0066	0.0059	0.0059	0.0059	0.0055	0.0059	0.0059	0.0047	0.0066	0.0063
5/8"	S	0.0030	0.0030	0.0030	0.0030	0.0028	0.0030	0.0030	0.0025	0.0030	0.0030
	HP	0.0051	0.0051	0.0051	0.0051	0.0047	0.0051	0.0051	0.0040	0.0051	0.0051
	LP	0.0079	0.0079	0.0079	0.0079	0.0065	0.0079	0.0079	0.0060	0.0079	0.0079
	F	0.0142	0.0142	0.0142	0.0142	0.0120	0.0142	0.0142	0.0108	0.0142	0.0142
3/4"	S	0.0038	0.0035	0.0035	0.0035	0.0030	0.0038	0.0038	0.0028	0.0030	0.0035
	HP	0.0049	0.0045	0.0045	0.0045	0.0038	0.0045	0.0045	0.0036	0.0038	0.0045
	LP	0.0055	0.0050	0.0050	0.0050	0.0042	0.0050	0.0050	0.0050	0.0042	0.0050
	F	0.0086	0.0089	0.0089	0.0089	0.0081	0.0089	0.0086	0.0080	0.0081	0.0086
1"	S	0.0045	0.0042	0.0042	0.0042	0.0050	0.0050	0.0050	0.0035	0.0056	0.0050
	HP	0.0055	0.0052	0.0052	0.0052	0.0059	0.0059	0.0059	0.0043	0.0066	0.0059
	LP	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0065	0.0053	0.0073	0.0065
	F	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0105	0.0085	0.0117	0.0105

**S = SLOTTING**  
Axial Depth up to  
1.0 x Diameter

**HP = HEAVY PERIPHERAL**  
Axial Depth up to  
1.5 x Diameter  
Radial with .5 x Diameter

**LP = LIGHT PERIPHERAL**  
Axial Depth up to  
2.0 x Diameter  
Radial with .15 x Diameter

**F = FINISH**  
Axial Depth up to Length Of Cut  
2.5 X Diameter Reduce SFM by 20%  
Radial with .015 x Diameter

For additional support and for maximum optimization of your Data Flute tools, call us toll free at 800.447.1476 and ask to speak to our Technical Support Department.

# SSI-4 Series

# Standard Offering

- 4 Flute, Variably Indexed
- Roughing and Finishing in Titanium and Ferrous Alloys
- Premium Sub-Micron Grain Carbide
- Stocked in Square Ends and Radii

- Available Upon Request:
  - Additional Coatings
  - Weldon Flats or Haimer Safe-Lock
  - Coolant Grooves and Through Holes

## SSI-4

Part Number	Dia.	Shank	LOC	OAL	Coating	Square				Radius Offering				
						0.000	0.010	0.020	0.030	0.060	0.090	0.120	0.156	0.190
SS-I-ST-40125-	1/8	1/8	1/4	2	C11	52523	51430		52390					
					C10	52830	51429	52831						
						<b>\$16.47</b>	<b>\$16.47</b>	<b>\$20.97</b>						
SS-I-40125-	1/8	1/8	1/2	2-1/2	C11	52525	51434		52526					
					C10	52832	51433	52833						
						<b>\$18.00</b>	<b>\$18.00</b>	<b>\$22.50</b>						
SS-I-ST-40156-	5/32	3/16	3/16	2	C11	52527	51438							
					C10	52834	51437							
						<b>\$22.51</b>	<b>\$22.51</b>							
SS-I-ST-40156-	5/32	3/16	5/16	2	C11	52529	51442							
					C10	52835	51441							
						<b>\$23.12</b>	<b>\$23.12</b>							
SS-I-40156-	5/32	3/16	9/16	2-1/2	C11	52531	52451							
					C10	52836	51470							
						<b>\$25.60</b>	<b>\$25.60</b>							
SS-I-ST-40187-	3/16	3/16	3/16	2	C11	52533	51446		52534					
					C10	52837	51445	52838						
						<b>\$18.88</b>	<b>\$18.88</b>	<b>\$23.88</b>						
SS-I-ST-40187-	3/16	3/16	5/16	2	C11	52535	51450		52536					
					C10	52839	51449	52841						
						<b>\$19.47</b>	<b>\$19.47</b>	<b>\$24.57</b>						
SS-I-40187-	3/16	3/16	9/16	2-1/2	C11	52537	51454		52538					
					C10	52842	51453	52843						
						<b>\$20.75</b>	<b>\$20.75</b>	<b>\$25.85</b>						
SS-I-ST-40218-	7/32	1/4	3/8	2	C11	52539		51458						
					C10	52844		51457						
						<b>\$24.56</b>		<b>\$24.56</b>						
SS-I-STL-40218-	7/32	1/4	1/2	2-1/2	C11	52541		51462						
					C10	52846		51461						
						<b>\$27.13</b>		<b>\$27.13</b>						
SS-I-40218-	7/32	1/4	3/4	2-1/2	C11	52544		51466						
					C10	52848		51465						
						<b>\$29.22</b>		<b>\$29.22</b>						
SS-I-ST-40250-	1/4	1/4	3/8	2	C11	52546		51303	52547					
					C10	52851		51469	52852					
						<b>\$21.83</b>		<b>\$21.83</b>	<b>\$26.21</b>					
SS-I-STL-40250-	1/4	1/4	1/2	2-1/2	C11	52548		51474	52549					
					C10	52853		51473	52854					
						<b>\$23.34</b>		<b>\$23.34</b>	<b>\$27.72</b>					
SS-I-40250-	1/4	1/4	3/4	2-1/2	C11	52550		51340	52551					
					C10	52855		51475	52856					
						<b>\$25.37</b>		<b>\$25.37</b>	<b>\$29.75</b>					
SS-I-M-40250-	1/4	1/4	1-1/4	3	C11	52552		52455	52554					
					C10	52857		52454	52858					
						<b>\$28.91</b>		<b>\$28.91</b>	<b>\$33.29</b>					

# SSI-4 Series

# Standard Offering



SSI-4						Square				Radius Offering				
Part Number	Dia.	Shank	LOC	OAL	Coating	0.000	0.010	0.020	0.030	0.060	0.090	0.120	0.156	0.190
SS-I-ST-40281-	9/32	5/16	7/16	2-1/2	C11	52555		51479						
					C10	52859	51478							
						<b>\$36.00</b>	<b>\$36.00</b>							
SS-I-40281-	9/32	5/16	3/4	2-1/2	C11	52558		51483						
					C10	52861	51482							
						<b>\$40.20</b>	<b>\$40.20</b>							
SS-I-ST-40312-	5/16	5/16	7/16	2-1/2	C11	52560		51307	52562					
					C10	52863	51486	52864						
						<b>\$31.01</b>	<b>\$31.01</b>	<b>\$35.70</b>						
SS-I-STL-40312-	5/16	5/16	5/8	2-1/2	C11	52563		51491	52564					
					C10	52865	51490	52866						
						<b>\$33.35</b>	<b>\$33.35</b>	<b>\$38.04</b>						
SS-I-40312-	5/16	5/16	13/16	2-1/2	C11	52566		51345	52567					
					C10	52867	51492	52868						
						<b>\$33.45</b>	<b>\$33.45</b>	<b>\$40.93</b>						
SS-I-M-40312-	5/16	5/16	1-1/4	3	C11	52568		52460	52570					
					C10	52869	52458	52870						
						<b>\$36.43</b>	<b>\$36.43</b>	<b>\$43.80</b>						
SS-I-ST-40343-	11/32	3/8	1/2	2-1/2	C11	52572		51496						
					C10	52871	51495							
						<b>\$40.65</b>	<b>\$40.65</b>							
SS-I-40343-	11/32	3/8	1	2-1/2	C11	52576		51500						
					C10	52873	51499							
						<b>\$44.53</b>	<b>\$44.53</b>							
SS-I-M-40343-	11/32	3/8	1-1/4	3	C11	52579		52465						
					C10	52875	52464							
						<b>\$51.85</b>	<b>\$51.85</b>							
SS-I-ST-40375-	3/8	3/8	1/2	2-1/2	C11	52582		51311	52583	52584				
					C10	52877	51503	52878	52879					
						<b>\$36.80</b>	<b>\$36.80</b>	<b>\$41.92</b>	<b>\$42.25</b>					
SS-I-STL-40375-	3/8	3/8	3/4	2-1/2	C11	52585		51508	52586	52587				
					C10	52880	51507	52881	52882					
						<b>\$37.73</b>	<b>\$37.73</b>	<b>\$42.85</b>	<b>\$43.18</b>					
SS-I-40375-	3/8	3/8	1	2-1/2	C11	52588		51350	52589	52590				
					C10	52883	51509	52884	52885					
						<b>\$38.59</b>	<b>\$38.59</b>	<b>\$43.71</b>	<b>\$44.04</b>					
SS-I-M-40375-	3/8	3/8	1-1/4	3	C11	52591		51513	52592	52593				
					C10	52886	51512	52887	52888					
						<b>\$43.50</b>	<b>\$43.50</b>	<b>\$48.62</b>	<b>\$48.95</b>					
SS-I-L-40375-	3/8	3/8	1-1/2	4	C11	52594		51517	52595	52596				
					C10	52889	51516	52890	52891					
						<b>\$48.88</b>	<b>\$48.88</b>	<b>\$52.00</b>	<b>\$52.33</b>					
SS-I-X-40375-	3/8	3/8	2	4	C11	52597		51522	52598	52599				
					C10	52892	51521	52893	52894					
						<b>\$53.48</b>	<b>\$53.48</b>	<b>\$58.60</b>	<b>\$59.29</b>					

# SSI-4 Series

# Standard Offering

- 4 Flute, Variably Indexed
- Roughing and Finishing in Titanium and Ferrous Alloys
- Premium Sub-Micron Grain Carbide
- Stocked in Square Ends and Radii

- Available Upon Request:
  - Additional Coatings
  - Weldon Flats or Haimer Safe-Lock
  - Coolant Grooves and Through Holes

## SSI-4

Part Number	Dia.	Shank	LOC	OAL	Coating	Square				Radius Offering				
						0.000	0.010	0.020	0.030	0.060	0.090	0.120	0.156	0.190
SS-I-ST-40406-	13/32	7/16	9/16	2-1/2	C11	52600		52470						
					C10	52895		52468						
						<b>\$51.89</b>		<b>\$51.89</b>						
SS-I-40406-	13/32	7/16	1	2-3/4	C11	52603		52475						
					C10	53102		52474						
						<b>\$54.44</b>		<b>\$54.44</b>						
SS-I-ST-40437-	7/16	7/16	9/16	2-1/2	C11	52606		51315	52607	52608				
					C10	53105		52389	53106	53107				
						<b>\$46.27</b>		<b>\$46.27</b>	<b>\$51.52</b>	<b>\$51.92</b>				
SS-I-40437-	7/16	7/16	1	3	C11	52609		51378	52610	52611				
					C10	53108		51527	53109	53110				
						<b>\$50.28</b>		<b>\$50.28</b>	<b>\$55.53</b>	<b>\$55.93</b>				
SS-I-M-40437-	7/16	7/16	1-1/4	3-1/2	C11	52612		51533	52613	52614				
					C10	53111		51532	53112	53113				
						<b>\$54.12</b>		<b>\$54.12</b>	<b>\$59.37</b>	<b>\$59.77</b>				
SS-I-ST-40469-	15/32	1/2	5/8	3	C11	52615		51538						
					C10	53114		51536						
						<b>\$61.55</b>		<b>\$61.55</b>						
SS-I-40469-	15/32	1/2	1	3	C11	52619		51542						
					C10	53117		51541						
						<b>\$67.28</b>		<b>\$67.28</b>						
SS-I-M-40469-	15/32	1/2	1-1/4	3-1/2	C11	52524		51547						
					C10	53120		51546						
						<b>\$71.38</b>		<b>\$71.38</b>						
SS-I-ST-40500-	1/2	1/2	5/8	3	C11	52628		51319	52630	52631	52632			
					C10	53123		53124	51551	53125	53126			
						<b>\$54.60</b>		<b>\$54.60</b>	<b>\$60.85</b>	<b>\$61.25</b>	<b>\$61.75</b>			
SS-I-STL-40500-	1/2	1/2	1	3	C11	52633		52480	52635	52636	52637			
					C10	53127		52478	53128	53129	53130			
						<b>\$59.08</b>		<b>\$59.08</b>	<b>\$65.20</b>	<b>\$65.60</b>	<b>\$66.10</b>			
SS-I-40500-	1/2	1/2	1-1/4	3	C11	52638		51382	52640	52641	52642			
					C10	53131		51577	53132	53133	53134			
						<b>\$64.43</b>		<b>\$64.43</b>	<b>\$70.43</b>	<b>\$70.83</b>	<b>\$71.33</b>			
SS-I-M-40500-	1/2	1/2	1-3/4	4	C11	52643		51581	52645	52646	52647			
					C10	53135		51580	53136	53137	53138			
						<b>\$72.02</b>		<b>\$72.02</b>	<b>\$72.39</b>	<b>\$72.79</b>	<b>\$73.29</b>			
SS-I-L-40500-	1/2	1/2	2	4	C11	52648		51585	52650	52651	52652			
					C10	53139		51584	53140	53141	53142			
						<b>\$74.17</b>		<b>\$74.17</b>	<b>\$76.50</b>	<b>\$77.90</b>	<b>\$78.40</b>			
SS-I-X-40500-	1/2	1/2	3	5	C11	52653		51589	52655	52656	52657			
					C10	53144		51588	53145	53146	53147			
						<b>\$103.29</b>		<b>\$103.29</b>	<b>\$103.69</b>	<b>\$104.09</b>	<b>\$104.59</b>			



# SSI-4 Series

# Standard Offering



## SSI-4

Part Number	Dia.	Shank	LOC	OAL	Coating	Square				Radius Offering				
						0.000	0.010	0.020	0.030	0.060	0.090	0.120	0.156	0.190
SS-I-ST-40625-	5/8	5/8	3/4	3	C11	52658			51324	52660	52661	52662		
					C10	53148		51485	53149	53150	53151			
						<b>\$104.99</b>		<b>\$104.99</b>	<b>\$107.99</b>	<b>\$113.49</b>	<b>\$113.79</b>			
SS-I-STL-40625-	5/8	5/8	1-1/4	3-1/2	C11	52663			51593	52665	52666	52667		
					C10	53152		51592	53154	53155	53156			
						<b>\$111.42</b>		<b>\$111.42</b>	<b>\$114.42</b>	<b>\$119.92</b>	<b>\$120.22</b>			
SS-I-40625-	5/8	5/8	1-5/8	3-1/2	C11	52668			51386	52670	52671	52672		
					C10	53158		51594	53159	53160	53162			
						<b>\$117.00</b>		<b>\$117.00</b>	<b>\$120.00</b>	<b>\$125.50</b>	<b>\$125.80</b>			
SS-I-M-40625-	5/8	5/8	2	4	C11	52673			51598	52675	52676	52677		
					C10	53163		51597	53164	53166	53167			
						<b>\$137.42</b>		<b>\$137.42</b>	<b>\$140.42</b>	<b>\$146.22</b>	<b>\$146.22</b>			
SS-I-L-40625-	5/8	5/8	2-1/2	5	C11	52678			52396	52680	52681	52682		
					C10	53168		52395	53169	53170	53171			
						<b>\$164.32</b>		<b>\$164.32</b>	<b>\$167.32</b>	<b>\$173.12</b>	<b>\$173.12</b>			
SS-I-X-40625-	5/8	5/8	3	5	C11	52683			52400	52685	52686	52687		
					C10	53172		52399	53173	53174	53175			
						<b>\$197.15</b>		<b>\$197.15</b>	<b>\$200.15</b>	<b>\$205.95</b>	<b>\$205.95</b>			
SS-I-ST-40750-	3/4	3/4	1	3	C11	52688			51330	52690	52691	52692	53176	53177
					C10	53178		52401	53179	53180	53181	53182	53183	
						<b>\$148.53</b>		<b>\$148.53</b>	<b>\$151.03</b>	<b>\$156.53</b>	<b>\$156.53</b>	<b>\$160.03</b>	<b>\$160.03</b>	
SS-I-40750-	3/4	3/4	1-5/8	4	C11	52693			52695	52696	52697	52845	52847	52849
					C10	53184		52402	53185	53186	53187	53188	53189	
						<b>\$160.50</b>		<b>\$160.50</b>	<b>\$163.00</b>	<b>\$168.50</b>	<b>\$168.50</b>	<b>\$172.00</b>	<b>\$172.00</b>	
SS-I-M-40750-	3/4	3/4	2-1/4	5	C11	52698			52406	52700	52701	52702	52860	52862
					C10	53190		52405	53191	53192	53193	53194	53195	
						<b>\$183.75</b>		<b>\$183.75</b>	<b>\$186.25</b>	<b>\$191.75</b>	<b>\$191.75</b>	<b>\$195.25</b>	<b>\$195.25</b>	
SS-I-L-40750-	3/4	3/4	3	6	C11	52703			52410	52705	52706	52707	53196	53197
					C10	53198		52409	53199	53300	53301	53302	53303	
						<b>\$224.09</b>		<b>\$224.09</b>	<b>\$226.59</b>	<b>\$232.09</b>	<b>\$232.09</b>	<b>\$235.59</b>	<b>\$235.59</b>	
SS-I-X-40750-	3/4	3/4	4	6	C11	52708			52414	52710	52711	52712	53304	53305
					C10	53306		52413	53307	53308	53309	53310	53311	
						<b>\$244.65</b>		<b>\$244.65</b>	<b>\$247.15</b>	<b>\$252.65</b>	<b>\$252.65</b>	<b>\$256.15</b>	<b>\$256.15</b>	
SS-I-ST-41000-	1	1	1-1/4	4	C11	52713			51335	52715	52716	52717	53312	53313
					C10	53314		51484	53315	53316	53317	53318	53319	
						<b>\$234.87</b>		<b>\$234.87</b>	<b>\$234.87</b>	<b>\$243.37</b>	<b>\$243.37</b>	<b>\$247.67</b>	<b>\$247.67</b>	
SS-I-41000-	1	1	2	5	C11	52718			52418	52721	52722	52723	53320	53321
					C10	53322		52417	53323	53324	53325	53326	53327	
						<b>\$291.90</b>		<b>\$291.90</b>	<b>\$291.90</b>	<b>\$300.40</b>	<b>\$300.40</b>	<b>\$304.07</b>	<b>\$304.07</b>	
SS-I-M-41000-	1	1	2-5/8	6	C11	52724			52422	52726	52727	52728	53328	53329
					C10	53330		52421	53331	53332	53333	53334	53335	
						<b>\$310.80</b>		<b>\$310.80</b>	<b>\$310.80</b>	<b>\$319.30</b>	<b>\$319.30</b>	<b>\$323.60</b>	<b>\$323.60</b>	



These tools provide end users 1/8", 3/16" and 1/4" cutting diameters with the enhanced stability and rigidity offered by a 3/8" shank.

- 4 Flute, Variably Indexed
- Roughing and Finishing in Titanium and Ferrous Alloys
- Premium Sub-Micron Grain Carbide
- Stocked with C11 Coating

- Available Upon Request:
  - Additional Coatings
  - Weldon Flats or Haimer Safe-Lock
  - Coolant Grooves and Through Holes

## SSI-4, 3/8" SHANK OFFERING

C11 Coating						Radius Offering						
Part Number	Dia.	Shank	LOC	OAL	0.010	0.020	0.030	0.060	0.090	0.120	0.156	0.190
SS-I-ST-40125-375-	1/8	3/8	1/4	2-1/2	53336							
					<b>\$34.47</b>							
SS-I-40125-375-	1/8	3/8	1/2	2-1/2	53338							
					<b>\$36.80</b>							
SS-I-ST-40187-375-	3/16	3/8	5/16	2-1/2	53339							
					<b>\$37.47</b>							
SS-I-40187-375-	3/16	3/8	5/8	2-1/2	53340							
					<b>\$38.17</b>							
SS-I-ST-40250-375-	1/4	3/8	3/8	2-1/2	53341							
					<b>\$38.47</b>							
SS-I-40250-375-	1/4	3/8	3/4	2-1/2	53342							
					<b>\$40.17</b>							

# SSI-4 Series

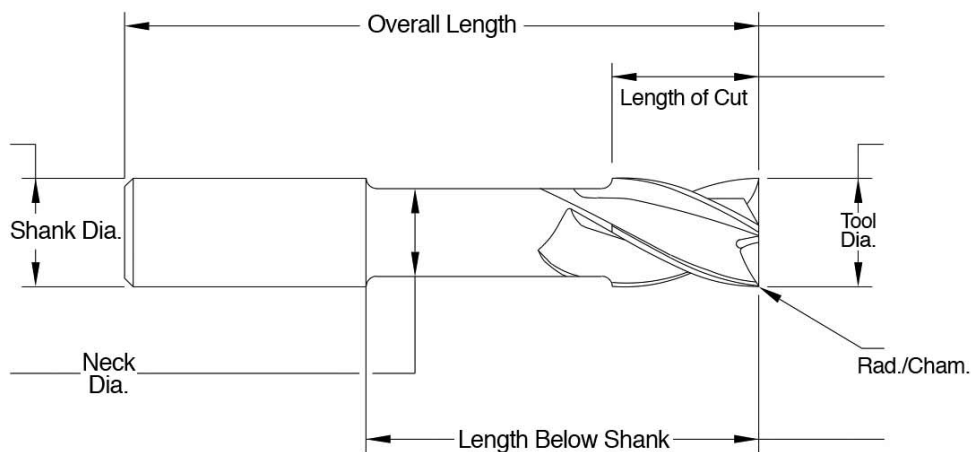
# Reduced Neck Offering



This extended reach design incorporates the proven geometries of the SSI-4 to allow for deep pocket roughing and finishing. The necked shank on these tools minimizes deflection during deep-reach milling operations.

## SSI-RN-4

C11 Coating							Radius Offering					
Part Number	Dia.	Shank	LOC	LBS	Neck Dia.	OAL	0.010	0.020	0.030	0.060	0.090	0.120
SS-I-RN-40125-	1/8	1/8	1/4	0.375	0.115	2-1/2	53344		53345			
SS-I-RN-M-40125-	1/8	1/8	1/4	0.500	0.115	2-1/2	53346		53347			
SS-I-RN-L-40125-	1/8	1/8	1/4	0.625	0.115	2-1/2	53348		53350			
							<b>\$22.92</b>		<b>\$27.42</b>			
SS-I-RN-40187-	3/16	3/16	5/16	0.500	0.175	3	53351		53352			
							<b>\$27.88</b>		<b>\$32.38</b>			
SS-I-RN-M-40187-	3/16	3/16	5/16	0.750	0.175	3	53354		53356			
							<b>\$28.63</b>		<b>\$33.13</b>			
SS-I-RN-L-40187-	3/16	3/16	5/16	1.000	0.175	3	53358		53360			
							<b>\$29.47</b>		<b>\$33.97</b>			
SS-I-RN-40250-	1/4	1/4	3/8	0.750	0.235	3		53362	53363	52872		
								<b>\$34.79</b>	<b>\$39.29</b>	<b>\$39.59</b>		
SS-I-RN-M-40250-	1/4	1/4	3/8	1.125	0.235	4		53364	53367	53368		
								<b>\$36.52</b>	<b>\$41.02</b>	<b>\$41.32</b>		
SS-I-RN-L-40250-	1/4	1/4	3/8	2.125	0.235	4		51398	53369	53370		
								<b>\$40.83</b>	<b>\$45.33</b>	<b>\$45.63</b>		
SS-I-RN-40375-	3/8	3/8	1/2	1.125	0.355	4		53371	53372	53373	53374	
								<b>\$51.82</b>	<b>\$56.32</b>	<b>\$56.62</b>	<b>\$57.02</b>	
SS-I-RN-M-40375-	3/8	3/8	1/2	2.125	0.355	4		53375	53376	53377	53378	
								<b>\$54.08</b>	<b>\$58.58</b>	<b>\$58.88</b>	<b>\$59.28</b>	
SS-I-RN-L-40375-	3/8	3/8	1/2	3.125	0.355	6		53379	53380	53381	53382	
								<b>\$69.65</b>	<b>\$74.15</b>	<b>\$74.45</b>	<b>\$74.85</b>	
SS-I-RN-X-40375-	3/8	3/8	1/2	4.125	0.355	6		53383	53384	53385	53386	
								<b>\$77.62</b>	<b>\$82.12</b>	<b>\$82.42</b>	<b>\$82.82</b>	



For additional support and for maximum optimization of your Data Flute tools, call us toll free at 800.447.1476 and ask to speak to our Technical Support Department.

# SSI-4 Series

# Reduced Neck Offering

- 4 Flute, Variably Indexed
- Roughing and Finishing in Titanium and Ferrous Alloys
- Premium Sub-Micron Grain Carbide
- Stocked with C11 Coating

- Available Upon Request:
  - Additional Coatings
  - Weldon Flats or Haimer Safe-Lock
  - Coolant Grooves and Through Holes

## SSI-RN-4

C11 Coating							Radius Offering					
Part Number	Dia.	Shank	LOC	LBS	Neck Dia.	OAL	0.010	0.020	0.030	0.060	0.090	0.120
SS-I-RN-40500-	1/2	1/2	5/8	1.500	0.475	4	53387	53388	53389	52874		
							<b>\$77.18</b>	<b>\$83.43</b>	<b>\$83.83</b>	<b>\$84.33</b>		
SS-I-RN-M-40500-	1/2	1/2	5/8	2.250	0.475	4	53390	53391	53392	53393		
							<b>\$80.50</b>	<b>\$86.75</b>	<b>\$87.15</b>	<b>\$87.65</b>		
SS-I-RN-L-40500-	1/2	1/2	5/8	3.375	0.475	6	53394	53395	53396	53397		
							<b>\$108.68</b>	<b>\$114.93</b>	<b>\$115.33</b>	<b>\$115.83</b>		
SS-I-RN-X-40500-	1/2	1/2	5/8	4.125	0.475	6	53398	53399	53500	53501		
							<b>\$109.02</b>	<b>\$115.27</b>	<b>\$115.67</b>	<b>\$116.17</b>		
SS-I-RN-40625-	5/8	5/8	3/4	1.625	0.590	4	53502	53503	53504	53505		
							<b>\$140.77</b>	<b>\$144.77</b>	<b>\$150.27</b>	<b>\$150.57</b>		
SS-I-RN-M-40625-	5/8	5/8	3/4	2.375	0.590	6	53506	53507	53508	53509		
							<b>\$175.50</b>	<b>\$179.50</b>	<b>\$185.00</b>	<b>\$185.30</b>		
SS-I-RN-L-40625-	5/8	5/8	3/4	3.375	0.590	6	53510	53511	53512	53513		
							<b>\$177.17</b>	<b>\$181.17</b>	<b>\$186.67</b>	<b>\$186.97</b>		
SS-I-RN-X-40625-	5/8	5/8	3/4	4.125	0.590	6	53514	53515	53516	53517		
							<b>\$178.83</b>	<b>\$182.83</b>	<b>\$188.33</b>	<b>\$188.63</b>		
SS-I-RN-40750-	3/4	3/4	1	2.000	0.715	4	53518	53519	53520	53521		
							<b>\$190.47</b>	<b>\$192.97</b>	<b>\$198.47</b>	<b>\$203.97</b>		
SS-I-RN-M-40750-	3/4	3/4	1	2.500	0.715	6	51422	53522	53523	53524		
							<b>\$225.52</b>	<b>\$228.02</b>	<b>\$233.52</b>	<b>\$239.02</b>		
SS-I-RN-L-40750-	3/4	3/4	1	3.375	0.715	6	53525	53526	53527	53528		
							<b>\$227.18</b>	<b>\$229.68</b>	<b>\$235.18</b>	<b>\$240.68</b>		
SS-I-RN-X-40750-	3/4	3/4	1	4.125	0.715	6	53529	53530	53531	53532		
							<b>\$228.85</b>	<b>\$231.35</b>	<b>\$236.85</b>	<b>\$242.35</b>		
SS-I-RN-41000-	1	1	1-1/4	2.250	0.960	4	53533	53534	53535	53536		
							<b>\$292.52</b>	<b>\$292.52</b>	<b>\$301.02</b>	<b>\$309.52</b>		
SS-I-RN-M-41000-	1	1	1-1/4	2.625	0.960	6	53537	53538	53539	53540		
							<b>\$365.98</b>	<b>\$365.98</b>	<b>\$374.48</b>	<b>\$382.98</b>		
SS-I-RN-L-41000-	1	1	1-1/4	3.375	0.960	6	53541	53542	53543	53544		
							<b>\$366.82</b>	<b>\$366.82</b>	<b>\$375.32</b>	<b>\$383.82</b>		
SS-I-RN-X-41000-	1	1	1-1/4	4.125	0.960	6	53545	53546	53547	53548		
							<b>\$367.65</b>	<b>\$367.65</b>	<b>\$376.15</b>	<b>\$384.65</b>		



When the need arises for a tool to handle your profiling, modeling, or shaping operations in hard metals, look no farther than our SSI-4 Ball Nose Series. We have taken our SSI-4 geometry and added a precision, CNC ground, full ball radius. Our unique end design allows for heavier chip loads and faster metal removal rates than conventional ball nose end mills.

- 4 Flute, Variably Indexed
- Roughing and Finishing in Titanium and Ferrous Alloys
- Premium Sub-Micron Grain Carbide
- Stocked with C11 Coating

- Available Upon Request:
  - Additional Coatings
  - Weldon Flats or Haimer Safe-Lock
  - Coolant Grooves and Through Holes

## SSI-BN-4

### C11 Coating

Part Number	Dia.	Shank	LOC	OAL	List Price	EDP #
SS-I-BN-ST-40125-	1/8	1/8	1/4	2	\$21.37	53549
SS-I-BN-40125-	1/8	1/8	1/2	2-1/2	\$22.90	53550
SS-I-BN-ST-40156-	5/32	3/16	5/16	2	\$28.62	53551
SS-I-BN-40156-	5/32	3/16	9/16	2-1/2	\$31.10	53552
SS-I-BN-ST-40187-	3/16	3/16	5/16	2	\$25.07	53553
SS-I-BN-40187-	3/16	3/16	9/16	2-1/2	\$26.35	53554
SS-I-BN-ST-40218-	7/32	1/4	3/8	2	\$29.66	53555
SS-I-BN-40218-	7/32	1/4	3/4	2-1/2	\$34.32	53556
SS-I-BN-ST-40250-	1/4	1/4	3/8	2	\$26.97	53557
SS-I-BN-40250-	1/4	1/4	3/4	2-1/2	\$29.94	53558
SS-I-BN-ST-40281-	9/32	5/16	7/16	2-1/2	\$39.77	53559
SS-I-BN-40281-	9/32	5/16	3/4	2-1/2	\$43.64	53560
SS-I-BN-ST-40312-	5/16	5/16	7/16	2-1/2	\$36.10	53561
SS-I-BN-40312-	5/16	5/16	13/16	2-1/2	\$41.33	53562
SS-I-BN-ST-40343-	11/32	3/8	1/2	2-1/2	\$46.14	53563
SS-I-BN-40343-	11/32	3/8	1	2-1/2	\$49.92	53564
SS-I-BN-ST-40375-	3/8	3/8	1/2	2-1/2	\$42.65	53565
SS-I-BN-40375-	3/8	3/8	1	2-1/2	\$44.44	53566
SS-I-BN-ST-40437-	7/16	7/16	9/16	2-1/2	\$52.32	53567
SS-I-BN-40437-	7/16	7/16	1	3	\$56.33	53569
SS-I-BN-ST-40500-	1/2	1/2	5/8	3	\$62.15	53570
SS-I-BN-40500-	1/2	1/2	1-1/4	3	\$71.73	53571
SS-I-BN-ST-40625-	5/8	5/8	3/4	3	\$117.79	53572
SS-I-BN-40625-	5/8	5/8	1-5/8	3-1/2	\$129.80	53573
SS-I-BN-ST-40750-	3/4	3/4	1	3	\$165.03	53574
SS-I-BN-40750-	3/4	3/4	1-5/8	4	\$177.00	53575
SS-I-BN-ST-41000-	1	1	1-1/4	4	\$253.67	53576
SS-I-BN-41000-	1	1	2	5	\$310.70	53577

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51303	3	51592	6	52583	4	52685	6	52873	5	53156	6	53335	6	53520	9
51307	4	51593	6	52584	4	52686	6	52874	5	53158	6	53336	7	53521	9
51311	4	51594	6	52585	4	52687	6	52875	5	53159	6	53338	7	53522	9
51315	5	51597	6	52586	4	52688	6	52876	5	53160	6	53339	7	53523	9
51319	5	51598	6	52587	4	52690	6	52877	5	53162	6	53340	7	53524	9
51324	6	52390	3	52588	4	52691	6	52878	5	53163	6	53341	7	53525	9
51340	3	52395	6	52589	4	52692	6	52879	5	53164	6	53342	7	53526	9
51345	4	52396	6	52590	4	52693	6	52880	5	53166	6	53344	8	53527	9
51378	5	52399	6	52591	4	52696	6	52881	5	53167	6	53345	8	53528	9
51382	5	52400	6	52592	4	52697	6	52882	5	53168	6	53346	8	53529	9
51386	6	52401	6	52593	4	52698	6	52883	5	53169	6	53347	8	53530	9
51398	8	52402	6	52594	4	52700	6	52884	5	53170	6	53348	8	53531	9
51429	3	52405	6	52595	4	52701	6	52885	5	53171	6	53350	8	53532	9
51430	3	52406	6	52596	4	52702	6	52886	5	53172	6	53351	8	53533	9
51433	3	52409	6	52597	4	52703	6	52887	5	53173	6	53352	8	53534	9
51434	3	52410	6	52598	4	52705	6	52888	5	53174	6	53354	8	53535	9
51437	3	52413	6	52599	4	52706	6	52889	5	53175	6	53356	8	53536	9
51438	3	52414	6	52600	5	52707	6	52890	5	53176	6	53360	8	53537	9
51441	3	52417	6	52603	5	52708	6	52891	5	53177	6	53362	8	53538	9
51442	3	52418	6	52606	5	52710	6	52892	5	53178	6	53363	8	53539	9
51445	3	52421	6	52607	5	52711	6	52893	5	53179	6	53364	8	53540	9
51446	3	52422	6	52608	5	52712	6	52894	5	53180	6	53367	8	53541	9
51449	3	52454	3	52609	5	52713	6	52895	5	53181	6	53368	8	53542	9
51450	3	52455	3	52610	5	52715	6	53102	5	53182	6	53369	8	53543	9
51453	3	52458	4	52611	5	52716	6	53103	5	53183	6	53370	8	53544	9
51454	3	52460	4	52612	5	52717	6	53104	5	53184	6	53371	8	53545	9
51457	3	52464	4	52613	5	52718	6	53105	5	53185	6	53372	8	53546	9
51458	3	52465	4	52614	5	52721	6	53106	5	53186	6	53373	8	53547	9
51461	3	52468	5	52615	5	52722	6	53107	5	53187	6	53374	8	53548	9
51462	3	52470	5	52619	5	52723	6	53108	5	53188	6	53375	8	53549	10
51465	3	52474	5	52628	5	52724	6	53109	5	53189	6	53376	8	53550	10
51466	3	52475	5	52630	5	52726	6	53110	5	53190	6	53377	8	53551	10
51469	3	52478	5	52631	5	52727	6	53111	5	53191	6	53378	8	53552	10
51470	3	52480	5	52632	5	52728	6	53112	5	53192	6	53379	8	53553	10
51473	3	52523	3	52633	5	52830	3	53113	5	53193	6	53380	8	53554	10
51474	3	52524	3	52635	5	52831	3	53114	5	53194	6	53381	8	53555	10
51475	3	52525	3	52636	5	52832	3	53115	5	53195	6	53382	8	53556	10
51478	4	52526	3	52637	5	52833	3	53116	5	53197	6	53383	8	53557	10
51479	4	52527	3	52638	5	52834	3	53117	5	53198	6	53384	8	53558	10
51482	4	52529	3	52640	5	52835	3	53118	5	53199	6	53385	8	53559	10
51483	4	52531	3	52641	5	52836	3	53119	5	53300	6	53386	8	53560	10
51485	6	52533	3	52642	5	52837	3	53120	5	53301	6	53387	9	53561	10
51490	4	52534	3	52643	5	52838	3	53121	5	53302	6	53388	9	53562	10
51491	4	52535	3	52645	5	52839	5	53122	5	53303	6	53389	9	53563	10
51492	4	52536	3	52646	5	52841	5	53123	5	53304	6	53390	9	53564	10
51495	4	52537	3	52647	5	52842	5	53124	5	53305	6	53391	9	53565	10
51496	4	52538	3	52648	5	52843	5	53125	5	53306	6	53392	9	53566	10
51499	4	52539	3	52650	5	52844	5	53126	5	53307	6	53393	9	53567	10
51500	4	52541	3	52651	5	52845	5	53127	5	53308	6	53394	9	53569	10
51503	4	52542	3	52652	5	52846	5	53128	5	53309	6	53395	9	53570	10
51507	4	52544	3	52653	5	52847	5	53129	5	53310	6	53396	9	53571	10
51508	4	52545	3	52655	5	52848	5	53130	5	53311	6	53397	9	53572	10
51512	4	52546	3	52656	5	52849	5	53131	5	53312	6	53398	9	53573	10
51513	4	52547	4	52657	5	52851	5	53132	5	53313	6	51422	9	53574	10
51516	4	52548	4	52658	6	52852	5	53133	5	53314	6	53399	9	53575	10
51517	4	52549	4	52660	6	52853	5	53134	5	53315	6	53500	9	53576	10
51521	4	52550	4	52661	6	52854	5	53135	5	53316	6	53501	9	53577	10
51522	4	52551	4	52662	6	52855	5	53136	5	53317	6	53502	9		
51527	5	52552	4	52663	6	52856	5	53137	5	53318	6	53503	9		
51532	5	52554	4	52665	6	52857	5	53138	5	53319	6	53504	9		
51533	5	52555	4	52666	6	52858	5	53139	5	53320	6	53505	9		
51536	5	52556	4	52667	6	52859	5	53140	5	53321	6	53506	9		
51538	5	52558	4	52668	6	52860	5	53141	5	53322	6	53507	9		
51541	5	52560	4	52670	6	52861	5	53142	5	53323	6	53508	9		
51542	5	52562	4	52671	6	52862	5	53144	5	53324	6	53509	9		
51546	5	52563	4	52672	6	52863	5	53145	5	53325	6	53510	9		
51547	5	52564	4	52673	6	52864	5	53146	5	53326	6	53511	9		
51551	5	52566	4	52675	6	52865	5	53147	5	53327	6	53512	9		
51577	5	52567	4	52676	6	52866	5	53148	6	53328	6	53513	9		
51580	5	52568	4	52677	6	52867	5	53149	6	53329	6	53514	9		
51581	5	52570	4	52678	6	52868	5	53150	6	53330	6	53515	9		
51584	5	52572	4	52680	6	52869	5	53151	6	53331	6	53516	9		
51585	5	52576	4	52681	6	52870	5	53152	6	53332	6	53517	9		
51588	5	52579	4	52682	6	52871	5	53154	6	53333	6	53518	9		
51589	5	52582	4	52683	6	52872	8	53155	6	53334	6	53519	9		



The SSI-5 is the all terrain vehicle of our ferrous alloy series tools. It can "chew up the road" in most roughing applications and at the same time provide, smooth, high-speed cruising well into finishing range. The SSI-5 will appeal to those who demand high performance and seek to minimize tool changes in a wide range of operations.

### Speed - Feed SSI-5 Flute

Materials		Carbon Steel	Alloy Steel	Stainless Steel 300 Series	Stainless Steel 400 Series	Precipitation Stainless Steel	Gray Cast Iron	Ductile Cast Iron	High Temp Alloys	Titanium Pure	Titanium Cast / Wrought	
Diameter	Description	10XX, 11XX, 12XX, 13XX	40XX, 41XX, 42XX, 43XX, 44XX, 46XX, 86XX, Series	304, 304L, 316, 316L, 312	420, 420F, 416, 440L	15-5PH, 16-6PH, 17-4PH, AM-XX Series	Gray	Ductile	Inconel 625/718, A286, Haynes	Pure	Cast/Wrought 6AL4V, ASTM 1,2,3, Alpha - Beta	
		SFM < 32Rc SFM > 32Rc	200 - 450 100 - 250	150 - 300 80 - 200	150 - 350 80 - 200	200 - 450 100 - 250	80 - 250 90 - 125	250 - 450 130 - 300	120 - 350 80 - 140	70 - 120 40 - 90	140 - 220 90 - 160	140 - 200 90 - 160
1/8"	S	0.0008	0.0008	0.0008	0.0008	0.0008	0.0006	0.0008	0.0007	0.0008	0.0010	
	HP	0.0012	0.0011	0.0012	0.0012	0.0011	0.0008	0.0012	0.0011	0.0011	0.0014	
	LP	0.0013	0.0013	0.0013	0.0013	0.0013	0.0009	0.0013	0.0012	0.0013	0.0016	
	F	0.0024	0.0023	0.0024	0.0024	0.0023	0.0017	0.0024	0.0021	0.0023	0.0028	
1/4"	S	0.0014	0.0011	0.0014	0.0014	0.0011	0.0007	0.0013	0.0009	0.0011	0.0013	
	HP	0.0016	0.0013	0.0016	0.0016	0.0013	0.0009	0.0015	0.0012	0.0013	0.0015	
	LP	0.0019	0.0016	0.0019	0.0019	0.0016	0.0011	0.0017	0.0014	0.0016	0.0017	
	F	0.0035	0.0028	0.0035	0.0035	0.0028	0.0020	0.0031	0.0025	0.0028	0.0031	
15/16"	S	0.0013	0.0011	0.0013	0.0013	0.0011	0.0009	0.0013	0.0011	0.0011	0.0013	
	HP	0.0016	0.0013	0.0016	0.0016	0.0013	0.0013	0.0016	0.0016	0.0013	0.0016	
	LP	0.0019	0.0015	0.0019	0.0019	0.0015	0.0015	0.0019	0.0019	0.0015	0.0019	
	F	0.0033	0.0027	0.0033	0.0033	0.0027	0.0027	0.0033	0.0033	0.0027	0.0033	
3/8"	S	0.0018	0.0015	0.0018	0.0018	0.0015	0.0012	0.0018	0.0015	0.0015	0.0018	
	HP	0.0021	0.0017	0.0021	0.0021	0.0017	0.0017	0.0021	0.0021	0.0017	0.0021	
	LP	0.0025	0.0020	0.0025	0.0025	0.0020	0.0020	0.0025	0.0025	0.0020	0.0025	
	F	0.0045	0.0036	0.0045	0.0045	0.0036	0.0036	0.0045	0.0045	0.0036	0.0045	
1/2"	S	0.0028	0.0022	0.0025	0.0025	0.0022	0.0014	0.0025	0.0018	0.0022	0.0022	
	HP	0.0033	0.0026	0.0029	0.0029	0.0026	0.0019	0.0029	0.0024	0.0026	0.0029	
	LP	0.0037	0.0029	0.0033	0.0033	0.0029	0.0021	0.0033	0.0026	0.0029	0.0035	
	F	0.0066	0.0053	0.0059	0.0059	0.0053	0.0038	0.0059	0.0047	0.0053	0.0063	
5/8"	S	0.0030	0.0024	0.0030	0.0030	0.0024	0.0020	0.0030	0.0025	0.0024	0.0030	
	HP	0.0051	0.0041	0.0051	0.0051	0.0041	0.0032	0.0051	0.0040	0.0041	0.0051	
	LP	0.0079	0.0063	0.0079	0.0079	0.0063	0.0048	0.0079	0.0060	0.0063	0.0079	
	F	0.0142	0.0113	0.0142	0.0142	0.0113	0.0086	0.0142	0.0108	0.0113	0.0142	
3/4"	S	0.0038	0.0024	0.0035	0.0035	0.0024	0.0022	0.0038	0.0028	0.0024	0.0035	
	HP	0.0049	0.0030	0.0045	0.0045	0.0030	0.0029	0.0045	0.0036	0.0030	0.0045	
	LP	0.0055	0.0034	0.0050	0.0050	0.0034	0.0040	0.0050	0.0050	0.0034	0.0050	
	F	0.0086	0.0065	0.0089	0.0089	0.0065	0.0064	0.0086	0.0080	0.0065	0.0086	
1"	S	0.0045	0.0045	0.0042	0.0042	0.0045	0.0028	0.0050	0.0035	0.0045	0.0050	
	HP	0.0055	0.0053	0.0052	0.0052	0.0053	0.0034	0.0059	0.0043	0.0053	0.0059	
	LP	0.0065	0.0059	0.0065	0.0065	0.0059	0.0042	0.0065	0.0053	0.0059	0.0065	
	F	0.0105	0.0094	0.0105	0.0105	0.0094	0.0068	0.0105	0.0085	0.0094	0.0105	

**S = SLOTTING**  
Axial Depth up to  
1.0 x Diameter

**HP = HEAVY PERIPHERAL**  
Axial Depth up to  
1.5 x Diameter  
Radial with .25 x Diameter

**LP = LIGHT PERIPHERAL**  
Axial Depth up to  
2.0 x Diameter  
Radial with .15 x Diameter

**F = FINISH**  
Axial Depth up to Length Of Cut  
2.5 X Diameter Reduce SFM by 20%  
Radial with .015 x Diameter

For additional support and for maximum optimization of your Data Flute tools, call us toll free at 800.447.1476 and ask to speak to our Technical Support Department.

# SSI-5 Series

# Standard Offering

- 5 Flute, Variably Indexed
- Roughing and Finishing in Titanium and Ferrous Alloys
- 5th Flute Enables Increased Metal Removal Rates
- Stocked in Square Ends and Radii

- Available Upon Request:
  - Additional Coatings
  - Weldon Flats or Haimer Safe-Lock
  - Coolant Grooves and Through Holes

## SSI-5

Part Number	Dia.	Shank	LOC	OAL	Coating	Square				Radius Offering				
						0.000	0.010	0.020	0.030	0.060	0.090	0.120	0.156	0.190
SS-I-ST-50125-	1/8	1/8	1/4	2	C11	53646	53647		53648					
					C10	53649	53650	53651						
						<b>\$18.03</b>	<b>\$18.03</b>	<b>\$22.98</b>						
SS-I-50125-	1/8	1/8	1/2	2-1/2	C11	53652	53653		53654					
					C10	53655	53656	53657						
						<b>\$19.71</b>	<b>\$19.71</b>	<b>\$24.64</b>						
SS-I-ST-50156-	5/32	3/16	3/16	2	C11	53658	53659							
					C10	53660	53661							
						<b>\$24.65</b>	<b>\$24.65</b>							
SS-I-ST-50156-	5/32	3/16	5/16	2	C11	53662	53663							
					C10	53664	53665							
						<b>\$25.32</b>	<b>\$25.32</b>							
SS-I-50156-	5/32	3/16	9/16	2-1/2	C11	53666	53667							
					C10	53668	53669							
						<b>\$28.03</b>	<b>\$28.03</b>							
SS-I-ST-50187-	3/16	3/16	3/16	2	C11	53670	53671		53672					
					C10	53673	53674	53675						
						<b>\$20.67</b>	<b>\$20.67</b>	<b>\$26.15</b>						
SS-I-ST-50187-	3/16	3/16	5/16	2	C11	53676	53677		53678					
					C10	53679	53680	53681						
						<b>\$21.32</b>	<b>\$21.32</b>	<b>\$26.90</b>						
SS-I-50187-	3/16	3/16	9/16	2-1/2	C11	53682	53683		53684					
					C10	53685	53686	53687						
						<b>\$22.62</b>	<b>\$22.72</b>	<b>\$28.31</b>						
SS-I-ST-50218-	7/32	1/4	3/8	2	C11	53688		53689						
					C10	53690		53691						
						<b>\$26.89</b>		<b>\$26.89</b>						
SS-I-STL-50218-	7/32	1/4	1/2	2-1/2	C11	53692		53693						
					C10	53694		53695						
						<b>\$29.71</b>		<b>\$29.71</b>						
SS-I-50218-	7/32	1/4	3/4	2-1/2	C11	53696		53697						
					C10	53698		53699						
						<b>\$32.00</b>		<b>\$32.00</b>						
SS-I-ST-50250-	1/4	1/4	3/8	2	C11	53700		53704	53706					
					C10	53707		53709	53711					
						<b>\$23.80</b>		<b>\$23.90</b>	<b>\$28.70</b>					
SS-I-STL-50250-	1/4	1/4	1/2	2-1/2	C11	53713		53714	53715					
					C10	53717		53719	53720					
						<b>\$25.56</b>		<b>\$25.56</b>	<b>\$30.35</b>					
SS-I-50250-	1/4	1/4	3/4	2-1/2	C11	53721		53722	53724					
					C10	53725		53726	53728					
						<b>\$27.78</b>		<b>\$27.78</b>	<b>\$32.58</b>					
SS-I-M-50250-	1/4	1/4	1-1/4	3	C11	53729		53730	53732					
					C10	53733		53734	53736					
						<b>\$31.66</b>		<b>\$31.66</b>	<b>\$36.45</b>					



# SSI-5 Series

# Standard Offering



SSI-5						Square				Radius Offering				
Part Number	Dia.	Shank	LOC	OAL	Coating	0.000	0.010	0.020	0.030	0.060	0.090	0.120	0.156	0.190
SS-I-ST-50281-	9/32	5/16	7/16	2-1/2	C11	53737		53738						
					C10	53739		53741						
						<b>\$39.42</b>		<b>\$39.42</b>						
SS-I-50281-	9/32	5/16	3/4	2-1/2	C11	53742		53744						
					C10	53745		53746						
						<b>\$44.02</b>		<b>\$44.02</b>						
SS-I-ST-50312-	5/16	5/16	7/16	2-1/2	C11	53747		53748	53749					
					C10	53750		53751	53752					
						<b>\$33.96</b>		<b>\$33.96</b>	<b>\$39.09</b>					
SS-I-STL-50312-	5/16	5/16	5/8	2-1/2	C11	53754		53756	53757					
					C10	53758		53759	53760					
						<b>\$36.52</b>		<b>\$36.52</b>	<b>\$41.65</b>					
SS-I-50312-	5/16	5/16	13/16	2-1/2	C11	53761		54252	54253					
					C10	53762		54254	54255					
						<b>\$36.63</b>		<b>\$36.63</b>	<b>\$44.82</b>					
SS-I-M-50312-	5/16	5/16	1 1/4	3	C11	53763		53764	53765					
					C10	53766		53767	53768					
						<b>\$39.89</b>		<b>\$39.89</b>	<b>\$47.96</b>					
SS-I-ST-50343-	11/32	3/8	1/2	2-1/2	C11	53769		53770						
					C10	53771		53772						
						<b>\$44.51</b>		<b>\$44.51</b>						
SS-I-50343-	11/32	3/8	1	2-1/2	C11	53773		53774						
					C10	53775		53776						
						<b>\$48.76</b>		<b>\$48.76</b>						
SS-I-M-50343-	11/32	3/8	1-1/4	3	C11	53777		53778						
					C10	53779		53780						
						<b>\$56.78</b>		<b>\$56.78</b>						
SS-I-ST-50375-	3/8	3/8	1/2	2-1/2	C11	53781		53782	53783	53784				
					C10	53785		53786	53787	53788				
						<b>\$40.30</b>		<b>\$40.30</b>	<b>\$45.90</b>	<b>\$46.26</b>				
SS-I-STL-50375-	3/8	3/8	3/4	2-1/2	C11	53789		53790	53791	53792				
					C10	53793		53794	53795	53796				
						<b>\$41.31</b>		<b>\$41.31</b>	<b>\$46.92</b>	<b>\$47.28</b>				
SS-I-50375-	3/8	3/8	1	2-1/2	C11	53797		53798	53799	53800				
					C10	53801		53802	53803	53804				
						<b>\$42.26</b>		<b>\$42.26</b>	<b>\$47.86</b>	<b>\$48.22</b>				
SS-I-M-50375-	3/8	3/8	1-1/4	3	C11	53805		53806	53807	53808				
					C10	53809		53810	53811	53812				
						<b>\$47.63</b>		<b>\$47.63</b>	<b>\$53.24</b>	<b>\$53.60</b>				
SS-I-L-50375-	3/8	3/8	1-1/2	4	C11	53813		53814	53815	53816				
					C10	53817		53818	53819	53820				
						<b>\$53.52</b>		<b>\$53.52</b>	<b>\$56.94</b>	<b>\$57.30</b>				
SS-I-X-50375-	3/8	3/8	2	4	C11	53821		53822	53823	53824				
					C10	53825		53826	53827	53828				
						<b>\$58.56</b>		<b>\$58.56</b>	<b>\$64.17</b>	<b>\$64.92</b>				

# SSI-5 Series

# Standard Offering

- 5 Flute, Variably Indexed
- Roughing and Finishing in Titanium and Ferrous Alloys
- 5th Flute Enables Increased Metal Removal Rates
- Stocked in Square Ends and Radii

- Available Upon Request:
  - Additional Coatings
  - Weldon Flats or Haimer Safe-Lock
  - Coolant Grooves and Through Holes

## SSI-5

Part Number	Dia.	Shank	LOC	OAL	Coating	Square				Radius Offering				
						0.000	0.010	0.020	0.030	0.060	0.090	0.120	0.156	0.190
SS-I-ST-50406-	13/32	7/16	9/16	2-1/2	C11	53829		53830						
					C10	53831		53832						
						<b>\$56.82</b>		<b>\$56.82</b>						
SS-I-50406-	13/32	7/16	1	2-3/4	C11	53833		53834						
					C10	53835		53836						
						<b>\$59.61</b>		<b>\$59.61</b>						
SS-I-ST-50437-	7/16	7/16	9/16	2-1/2	C11	53837		53838	53839	53840				
					C10	53841		53842	53843	53844				
						<b>\$50.67</b>		<b>\$50.67</b>	<b>\$56.41</b>	<b>\$56.85</b>				
SS-I-50437-	7/16	7/16	1	3	C11	53845		53846	53847	53848				
					C10	53849		53850	53851	53852				
						<b>\$55.06</b>		<b>\$55.06</b>	<b>\$60.81</b>	<b>\$61.24</b>				
SS-I-M-50437-	7/16	7/16	1-1/4	3-1/2	C11	53853		53854	53855	53856				
					C10	53857		53858	53859	53860				
						<b>\$59.26</b>		<b>\$59.26</b>	<b>\$65.01</b>	<b>\$65.45</b>				
SS-I-ST-50469-	15/32	1/2	5/8	3	C11	53861		53862						
					C10	53863		53864						
						<b>\$67.40</b>		<b>\$67.40</b>						
SS-I-50469-	15/32	1/2	1	3	C11	53865		53866						
					C10	53867		53868						
						<b>\$73.67</b>		<b>\$73.67</b>						
SS-I-M-50469-	15/32	1/2	1-1/4	3-1/2	C11	53869		53870						
					C10	53871		53872						
						<b>\$78.16</b>		<b>\$78.16</b>						
SS-I-ST-50500-	1/2	1/2	5/8	3	C11	53873		53874	53875	53876	53877			
					C10	53878		53879	53880	53881	53882			
						<b>\$59.79</b>		<b>\$59.79</b>	<b>\$66.63</b>	<b>\$67.07</b>	<b>\$67.62</b>			
SS-I-STL-50500-	1/2	1/2	1	3	C11	53883		53884	53885	53886	53887			
					C10	53888		53889	53890	53891	53892			
						<b>\$64.69</b>		<b>\$64.69</b>	<b>\$71.39</b>	<b>\$71.83</b>	<b>\$72.38</b>			
SS-I-50500-	1/2	1/2	1-1/4	3	C11	53893		53894	53895	53896	53897			
					C10	53898		53899	53900	53904	53906			
						<b>\$70.55</b>		<b>\$70.55</b>	<b>\$77.12</b>	<b>\$77.56</b>	<b>\$78.11</b>			
SS-I-M-50500-	1/2	1/2	1-3/4	4	C11	53907		53909	53911	53913	53914			
					C10	53915		53917	53919	53920	53921			
						<b>\$78.86</b>		<b>\$78.86</b>	<b>\$79.27</b>	<b>\$79.71</b>	<b>\$80.25</b>			
SS-I-L-50500-	1/2	1/2	2	4	C11	53922		53924	53925	53926	53928			
					C10	53929		53930	53932	53933	53934			
						<b>\$81.22</b>		<b>\$81.22</b>	<b>\$83.77</b>	<b>\$85.30</b>	<b>\$85.85</b>			
SS-I-X-50500-	1/2	1/2	3	5	C11	53936		53937	53938	53939	53941			
					C10	53942		53944	53945	53946	53947			
						<b>\$113.10</b>		<b>\$113.10</b>	<b>\$113.54</b>	<b>\$113.98</b>	<b>\$114.53</b>			

# SSI-5 Series

# Standard Offering



SSI-5						Square				Radius Offering				
Part Number	Dia.	Shank	LOC	OAL	Coating	0.000	0.010	0.020	0.030	0.060	0.090	0.120	0.156	0.190
SS-I-ST-50625-	5/8	5/8	3/4	3	C11	53948			53949	53950	53951	53952		
					C10	53954		53956	53957	53958	53959			
						<b>\$114.96</b>		<b>\$114.96</b>	<b>\$118.25</b>	<b>\$124.27</b>	<b>\$124.60</b>			
SS-I-STL-50625-	5/8	5/8	1-1/4	3-1/2	C11	53960			53961	53962	53963	53964		
					C10	53965		53966	53967	53968	53969			
						<b>\$122.00</b>		<b>\$122.00</b>	<b>\$125.29</b>	<b>\$131.31</b>	<b>\$131.64</b>			
SS-I-50625-	5/8	5/8	1-5/8	3-1/2	C11	53970			53971	53972	53973	53974		
					C10	53975		53976	53977	53978	53979			
						<b>\$128.12</b>		<b>\$128.12</b>	<b>\$131.40</b>	<b>\$137.42</b>	<b>\$137.75</b>			
SS-I-M-50625-	5/8	5/8	2	4	C11	53980			53981	53982	53983	53984		
					C10	53985		53986	53987	53988	53989			
						<b>\$150.47</b>		<b>\$150.47</b>	<b>\$153.76</b>	<b>\$160.11</b>	<b>\$160.11</b>			
SS-I-L-50625-	5/8	5/8	2-1/2	5	C11	53990			53991	53992	53993	53994		
					C10	53995		53996	53997	53998	53999			
						<b>\$179.93</b>		<b>\$179.93</b>	<b>\$183.22</b>	<b>\$189.57</b>	<b>\$189.57</b>			
SS-I-X-50625-	5/8	5/8	3	5	C11	54000			54001	54002	54003	54004		
					C10	54005		54006	54007	54008	54009			
						<b>\$215.88</b>		<b>\$215.88</b>	<b>\$219.16</b>	<b>\$225.52</b>	<b>\$225.52</b>			
SS-I-ST-50750-	3/4	3/4	1	3	C11	54010			54011	54012	54013	54014	54015	54016
					C10	54017		54018	54019	54020	54021	54022	54023	
						<b>\$162.64</b>		<b>\$162.64</b>	<b>\$165.38</b>	<b>\$171.40</b>	<b>\$171.40</b>	<b>\$175.23</b>	<b>\$175.23</b>	
SS-I-50750-	3/4	3/4	1-5/8	4	C11	54024			54025	54026	54027	54028	54029	54030
					C10	54031		54032	54033	54034	54035	54036	54037	
						<b>\$175.75</b>		<b>\$175.75</b>	<b>\$178.49</b>	<b>\$184.51</b>	<b>\$184.51</b>	<b>\$188.34</b>	<b>\$188.34</b>	
SS-I-M-50750-	3/4	3/4	2-1/4	5	C11	54038			54039	54040	54041	54042	54043	54044
					C10	54045		54046	54047	54048	54049	54050	54051	
						<b>\$201.21</b>		<b>\$201.21</b>	<b>\$203.94</b>	<b>\$209.97</b>	<b>\$209.97</b>	<b>\$213.80</b>	<b>\$213.80</b>	
SS-I-L-50750-	3/4	3/4	3	6	C11	54052			54053	54054	54055	54056	54057	54058
					C10	54059		54060	54061	54062	54063	54064	54065	
						<b>\$245.38</b>		<b>\$245.38</b>	<b>\$248.12</b>	<b>\$254.14</b>	<b>\$254.14</b>	<b>\$257.97</b>	<b>\$257.97</b>	
SS-I-X-50750-	3/4	3/4	4	6	C11	54066			54067	54068	54069	54070	54071	54072
					C10	54073		54074	54075	54076	54077	54078	54079	
						<b>\$267.89</b>		<b>\$267.89</b>	<b>\$270.63</b>	<b>\$276.65</b>	<b>\$276.65</b>	<b>\$280.48</b>	<b>\$280.48</b>	
SS-I-ST-51000-	1	1	1-1/4	4	C11	54080			54081	54082	54083	54084	54085	54086
					C10	54087		54088	54089	54090	54091	54092	54093	
						<b>\$257.18</b>		<b>\$257.18</b>	<b>\$257.18</b>	<b>\$266.29</b>	<b>\$266.49</b>	<b>\$271.20</b>	<b>\$271.20</b>	
SS-I-51000-	1	1	2	5	C11	54094			54095	54096	54097	54098	54099	54100
					C10	54104		54106	54107	54109	54111	54113	54114	
						<b>\$319.63</b>		<b>\$319.63</b>	<b>\$319.63</b>	<b>\$328.94</b>	<b>\$328.94</b>	<b>\$332.96</b>	<b>\$332.96</b>	
SS-I-M-51000-	1	1	2-5/8	6	C11	54115			54117	54119	54120	54121	54122	54124
					C10	54125		54126	54128	54129	54130	54132	54133	
						<b>\$340.33</b>		<b>\$340.33</b>	<b>\$340.33</b>	<b>\$349.63</b>	<b>\$349.63</b>	<b>\$354.34</b>	<b>\$354.34</b>	

# SSI-5 Series

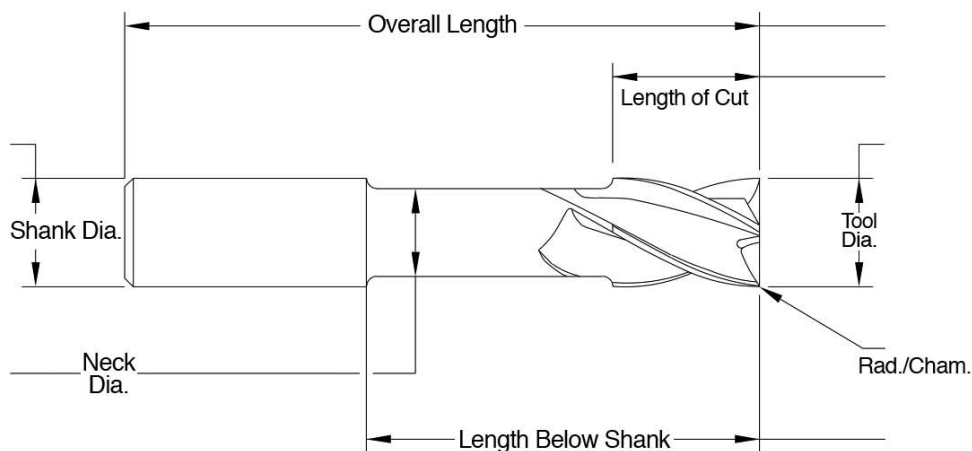
# Reduced Neck Offering



We have extended the SSI-5 geometry to a reduced neck offering. This design will enable end users to capture the exceptional metal removal rates of the SSI-5 for deep-reach milling.

## SSI-RN-5

C11 Coating							Radius Offering					
Part Number	Dia.	Shank	LOC	LBS	Neck Dia.	OAL	0.010	0.020	0.030	0.060	0.090	0.120
SS-I-RN-50125-	1/8	1/8	1/4	0.375	0.115	2-1/2	54134		54136			
SS-I-RN-M-50125-	1/8	1/8	1/4	0.500	0.115	2-1/2	54137		54138			
SS-I-RN-L-50125-	1/8	1/8	1/4	0.625	0.115	2-1/2	54139		54141			
							<b>\$25.10</b>		<b>\$30.02</b>			
SS-I-RN-50187-	3/16	3/16	5/16	0.500	0.175	3	54142		54144			
							<b>\$30.53</b>		<b>\$35.46</b>			
SS-I-RN-M-50187-	3/16	3/16	5/16	0.750	0.175	3	54145		54146			
							<b>\$31.35</b>		<b>\$36.28</b>			
SS-I-RN-L-50187-	3/16	3/16	5/16	1.000	0.175	3	54147		54148			
							<b>\$32.27</b>		<b>\$37.20</b>			
SS-I-RN-50250-	1/4	1/4	3/8	0.750	0.235	3		54149	54150	54151		
								<b>\$38.10</b>	<b>\$43.20</b>	<b>\$43.35</b>		
SS-I-RN-M-50250-	1/4	1/4	3/8	1.125	0.235	4		54152	54154	54156		
								<b>\$39.99</b>	<b>\$44.92</b>	<b>\$45.25</b>		
SS-I-RN-L-50250-	1/4	1/4	3/8	2.125	0.235	4		54157	54158	54159		
								<b>\$44.71</b>	<b>\$49.64</b>	<b>\$49.98</b>		
SS-I-RN-50375-	3/8	3/8	1/2	1.125	0.355	4		54160	54161	54162	54163	
								<b>\$56.74</b>	<b>\$61.67</b>	<b>\$62.00</b>	<b>\$62.44</b>	
SS-I-RN-M-50375-	3/8	3/8	1/2	2.125	0.355	4		54164	54165	54166	54167	
								<b>\$59.22</b>	<b>\$64.15</b>	<b>\$64.47</b>	<b>\$64.91</b>	
SS-I-RN-L-50375-	3/8	3/8	1/2	3.125	0.355	6		54168	54169	54170	54171	
								<b>\$76.27</b>	<b>\$81.19</b>	<b>\$81.52</b>	<b>\$81.96</b>	
SS-I-RN-X-50375-	3/8	3/8	1/2	4.125	0.355	6		54172	54173	54174	54175	
								<b>\$84.99</b>	<b>\$89.92</b>	<b>\$90.25</b>	<b>\$90.69</b>	



For additional support and for maximum optimization of your Data Flute tools, call us toll free at 800.447.1476 and ask to speak to our Technical Support Department.

# SSI-5 Series

# Reduced Neck Offering

- 5 Flute, Variably Indexed
- Roughing and Finishing in Titanium and Ferrous Alloys
- Premium Sub-Micron Grain Carbide
- Stocked with C11 Coating

- Available Upon Request:
  - Additional Coatings
  - Weldon Flats or Haimer Safe-Lock
  - Coolant Grooves and Through Holes

## SSI-RN-5

C11 Coating							Radius Offering					
Part Number	Dia.	Shank	LOC	LBS	Neck Dia,	OAL	0.010	0.020	0.030	0.060	0.090	0.120
SS-I-RN-50500-	1/2	1/2	5/8	1.500	0.475	4	54176 <b>\$84.51</b>	54177 <b>\$91.36</b>	54178 <b>\$91.79</b>	54179 <b>\$92.34</b>		
SS-I-RN-M-50500-	1/2	1/2	5/8	2.250	0.475	4	54180 <b>\$88.15</b>	54181 <b>\$94.99</b>	54182 <b>\$95.43</b>	54183 <b>\$95.98</b>		
SS-I-RN-L-50500-	1/2	1/2	5/8	3.375	0.475	6	54184 <b>\$119.00</b>	54185 <b>\$125.85</b>	54186 <b>\$126.29</b>	54187 <b>\$126.83</b>		
SS-I-RN-X-50500-	1/2	1/2	5/8	4.125	0.475	6	54188 <b>\$119.38</b>	54189 <b>\$126.22</b>	54190 <b>\$126.66</b>	54191 <b>\$127.21</b>		
SS-I-RN-50625-	5/8	5/8	3/4	1.625	0.590	4	54192 <b>\$154.14</b>	54193 <b>\$158.52</b>	54194 <b>\$164.55</b>	54195 <b>\$164.87</b>		
SS-I-RN-M-50625-	5/8	5/8	3/4	2.375	0.590	6	54196 <b>\$192.17</b>	54197 <b>\$196.55</b>	54198 <b>\$202.58</b>	54199 <b>\$202.90</b>		
SS-I-RN-L-50625-	5/8	5/8	3/4	3.375	0.590	6	54200 <b>\$194.00</b>	54201 <b>\$198.38</b>	54202 <b>\$204.40</b>	54203 <b>\$204.73</b>		
SS-I-RN-X-50625-	5/8	5/8	3/4	4.125	0.590	6	54204 <b>\$195.82</b>	54205 <b>\$200.20</b>	54206 <b>\$206.22</b>	54207 <b>\$206.55</b>		
SS-I-RN-50750-	3/4	3/4	1	2.000	0.715	4	54208 <b>\$208.56</b>	54209 <b>\$211.30</b>	54210 <b>\$217.32</b>	54211 <b>\$223.35</b>		
SS-I-RN-M-50750-	3/4	3/4	1	2.500	0.715	6	54212 <b>\$246.94</b>	54213 <b>\$249.68</b>	54214 <b>\$255.70</b>	54215 <b>\$261.73</b>		
SS-I-RN-L-50750-	3/4	3/4	1	3.375	0.715	6	54216 <b>\$248.76</b>	54217 <b>\$251.50</b>	54218 <b>\$257.52</b>	54219 <b>\$263.54</b>		
SS-I-RN-X-50750-	3/4	3/4	1	4.125	0.715	6	54220 <b>\$250.59</b>	54221 <b>\$253.33</b>	54222 <b>\$259.35</b>	54223 <b>\$265.37</b>		
SS-I-RN-51000-	1	1	1-1/4	2.250	0.960	4	54224 <b>\$320.31</b>	54225 <b>\$320.31</b>	54226 <b>\$329.62</b>	54227 <b>\$338.92</b>		
SS-I-RN-M-51000-	1	1	1-1/4	2.625	0.960	6	54228 <b>\$400.75</b>	54229 <b>\$400.75</b>	54230 <b>\$410.06</b>	54231 <b>\$419.36</b>		
SS-I-RN-L-51000-	1	1	1-1/4	3.375	0.960	6	54232 <b>\$401.67</b>	54233 <b>\$401.67</b>	54234 <b>\$410.98</b>	54235 <b>\$420.28</b>		
SS-I-RN-X-51000-	1	1	1-1/4	4.125	0.960	6	54236 <b>\$402.58</b>	54237 <b>\$402.58</b>	54238 <b>\$411.88</b>	54239 <b>\$421.19</b>		

EDP#	PAGE	EDP#	PAGE	EDP#	PAGE	EDP#	PAGE	EDP#	PAGE	EDP#	PAGE	EDP#	PAGE	EDP#	PAGE
53646	13	53733	13	53813	14	53888	15	53980	16	54055	16	54145	17	54222	18
53647	13	53734	13	53814	14	53889	15	53981	16	54056	16	54146	17	54223	18
53648	13	53736	13	53815	14	53890	15	53982	16	54057	16	54147	17	54224	18
53649	13	53737	14	53816	14	53891	15	53983	16	54058	16	54148	17	54225	18
53650	13	53738	14	53817	14	53892	15	53984	16	54059	16	54149	17	54226	18
53651	13	53739	14	53818	14	53893	15	53985	16	54060	16	54150	17	54227	18
53652	13	53741	14	53819	14	53894	15	53986	16	54061	16	54151	17	54228	18
53653	13	53742	14	53820	14	53895	15	53987	16	54062	16	54152	17	54229	18
53654	13	53744	14	53821	14	53896	15	53988	16	54063	16	54154	17	54230	18
53655	13	53745	14	53822	14	53897	15	53989	16	54064	16	54156	17	54231	18
53656	13	53746	14	53823	14	53898	15	53990	16	54065	16	54157	17	54232	18
53657	13	53747	14	53824	14	53899	15	53991	16	54066	16	54158	17	54233	18
53658	13	53748	14	53825	14	53900	15	53992	16	54067	16	54159	17	54234	18
53659	13	53749	14	53826	14	53901	15	53993	16	54068	16	54160	17	54235	18
53660	13	53750	14	53827	14	53906	15	53994	16	54069	16	54161	17	54236	18
53661	13	53751	14	53828	14	53907	15	53995	16	54070	16	54162	17	54237	18
53662	13	53752	14	53829	15	53909	15	53996	16	54071	16	54163	17	54238	18
53663	13	53754	14	53830	15	53911	15	53997	16	54072	16	54164	17	54239	18
53664	13	53756	14	53831	15	53913	15	53998	16	54073	16	54165	17	54252	14
53665	13	53757	14	53832	15	53914	15	53999	16	54074	16	54166	17	54253	14
53666	13	53758	14	53833	15	53915	15	54000	16	54075	16	54167	17	54254	14
53667	13	53759	14	53834	15	53917	15	54001	16	54076	16	54168	17	54255	14
53668	13	53760	14	53835	15	53919	15	54002	16	54077	16	54169	17		
53669	13	53761	14	53836	15	53920	15	54003	16	54078	16	54170	17		
53670	13	53762	14	53837	15	53921	15	54004	16	54079	16	54171	17		
53671	13	53763	14	53838	15	53922	15	54005	16	54080	16	54172	17		
53672	13	53764	14	53839	15	53924	15	54006	16	54081	16	54173	17		
53673	13	53765	14	53840	15	53925	15	54007	16	54082	16	54174	17		
53674	13	53766	14	53841	15	53926	15	54008	16	54083	16	54175	17		
53675	13	53767	14	53842	15	53928	15	54009	16	54084	16	54176	18		
53676	13	53768	14	53843	15	53929	15	54010	16	54085	16	54177	18		
53677	13	53769	14	53844	15	53930	15	54011	16	54086	16	54178	18		
53678	13	53770	14	53845	15	53932	15	54012	16	54087	16	54179	18		
53679	13	53771	14	53846	15	53933	15	54013	16	54088	16	54180	18		
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53681	13	53773	14	53848	15	53936	15	54015	16	54090	16	54182	18		
53682	13	53774	14	53849	15	53937	15	54016	16	54091	16	54183	18		
53683	13	53775	14	53850	15	53938	15	54017	16	54092	16	54184	18		
53684	13	53776	14	53851	15	53939	15	54018	16	54093	16	54185	18		
53685	13	53777	14	53852	15	53941	15	54019	16	54094	16	54186	18		
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53691	13	53783	14	53858	15	53948	16	54025	16	54100	16	54192	18		
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53693	13	53785	14	53860	15	53950	16	54027	16	54106	16	54194	18		
53694	13	53786	14	53861	15	53951	16	54028	16	54107	16	54195	18		
53695	13	53787	14	53862	15	53952	16	54029	16	54109	16	54196	18		
53696	13	53788	14	53863	15	53954	16	54030	16	54111	16	54197	18		
53697	13	53789	14	53864	15	53956	16	54031	16	54113	16	54198	18		
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53699	13	53791	14	53866	15	53958	16	54033	16	54115	16	54200	18		
53700	13	53792	14	53867	15	53959	16	54034	16	54117	16	54201	18		
53704	13	53793	14	53868	15	53960	16	54035	16	54119	16	54202	18		
53706	13	53794	14	53869	15	53961	16	54036	16	54120	16	54203	18		
53707	13	53795	14	53870	15	53962	16	54037	16	54121	16	54204	18		
53709	13	53796	14	53871	15	53963	16	54038	16	54122	16	54205	18		
53711	13	53797	14	53872	15	53964	16	54039	16	54124	16	54206	18		
53713	13	53798	14	53873	15	53965	16	54040	16	54125	16	54207	18		
53714	13	53799	14	53874	15	53966	16	54041	16	54126	16	54208	18		
53715	13	53800	14	53875	15	53967	16	54042	16	54128	16	54209	18		
53717	13	53801	14	53876	15	53968	16	54043	16	54129	16	54210	18		
53719	13	53802	14	53877	15	53969	16	54044	16	54130	16	54211	18		
53720	13	53803	14	53878	15	53970	16	54045	16	54132	16	54212	18		
53721	13	53804	14	53879	15	53971	16	54046	16	54133	16	54213	18		
53722	13	53805	14	53880	15	53972	16	54047	16	54134	17	54214	18		
53724	13	53806	14	53881	15	53973	16	54048	16	54136	17	54215	18		
53725	13	53807	14	53882	15	53974	16	54049	16	54137	17	54216	18		
53726	13	53808	14	53883	15	53975	16	54050	16	54138	17	54217	18		
53728	13	53809	14	53884	15	53976	16	54051	16	54139	17	54218	18		
53729	13	53810	14	53885	15	53977	16	54052	16	54141	17	54219	18		
53730	13	53811	14	53886	15	53978	16	54053	16	54142	17	54220	18		
53732	13	53812	14	53887	15	53979	16	54054	16	54144	17	54221	18		

# STANDARD TOLERANCES

Our state of the art equipment is designed to ensure consistency and accuracy tool after tool. Our standard cutting tools are manufactured to the following tolerance:

- **Cutting Diameter on Standard End Mills:**  $+.000/-0.002$ "
- **Shank Diameter:**  $+.000/-0.0003$ "
- **Ball Nose Radius:**  $+.000/-0.001$ "
- **Cutting Diameter on Roughing End Mills:**  $+.000/-0.005$ "
- **Runout Tolerance:**  $.0005$ " maximum shank to cutting diameter on all series except long length and extra long length



## MODIFICATIONS TO CATALOG STANDARDS

If you see a standard Data Flute end mill that comes close to what you need, but not exactly, we offer an array of standard tool alterations to suit your needs. Listed below are some of the most frequent alterations we perform on our cutting tools:

- **Featured Coatings Available for All Tools**
- **Corner Radius**
- **Altered Length of Cut**
- **Weldon Flats**
- **Set Screw Flats**
- **Chamfers**
- **Coolant Grooves**

For more information, contact our customer service department. We'll be glad to help.

## SPECIALTY TOOLS

Whether it's your design, or one with which we assist, Data Flute is your source for special application cutting tools. We will put our years of experience to work for you when manufacturing the specific tool that you need.

From special diameters or geometries to tapered ballnose to form cutters, Data Flute should be your choice for specials. Please give us a call or fax in a blueprint. We'll be glad to help.





BRUBAKER TOOL  
200 FRONT STREET  
MILLERSBURG, PA 17061

PHONE: 800-522-8665  
FAX: 717-692-4995  
www.brubakertool.com



DATA FLUTE  
9 BETNR INDUSTRIAL DRIVE  
PITTSFIELD, MA 01201

PHONE: 800-447-1476  
FAX: 800-504-3224  
www.dataflute.com



FASTCUT TOOL  
200 FRONT STREET  
MILLERSBURG, PA 17061

PHONE: 800-682-8832  
FAX: 717-692-2707  
www.fastcut.com



WELDON  
200 FRONT STREET  
MILLERSBURG, PA 17061

PHONE: 800-622-7742  
FAX: 717-692-5270  
www.endmills.com

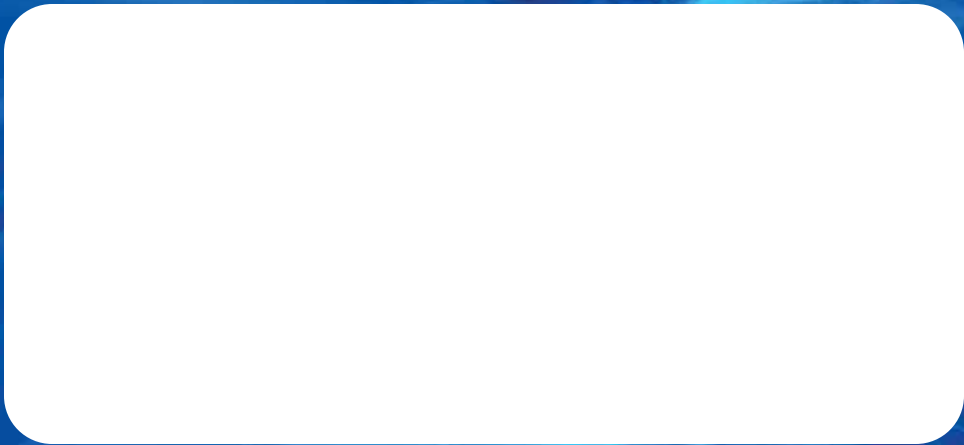
## Limited Warranty

DATA FLUTE warrants to original equipment manufacturers, distributors and industrial and commercial users of its products that each new product that it manufactures or supplies is free from defects in material and workmanship. Its sole obligation under this warranty is limited to furnishing, without additional charge, a replacement for, or, at its option, repairing or issuing credit for any such product which shall, within one year from the date of sale by DATA FLUTE, be returned freight prepaid to DATA FLUTE and which, upon inspection, is determined by DATA FLUTE to be defective in materials or workmanship. The provisions of this warranty shall not apply to any product which has been subjected to misuse, improper operating conditions, or which has been repaired or altered, if such would adversely affect performance of the product. Complete written information with respect to all such matters must be furnished to DATA FLUTE as a prerequisite to its consideration of any claim or complaint under this warranty.

The repair, replacement or issuance of credit for parts provided for in this warranty constitutes the Buyer's exclusive remedy. The warranty is in lieu of all other warranties, express or implied, including any implied warranty of merchantability or fitness for a particular purpose. DATA FLUTE has no liability or responsibility on any claim of any kind, whether in contract, tort or otherwise, for any loss or damage arising out of, connected with, or resulting from the manufacture, sale, delivery or use of any product sold hereunder, in excess of the cost of replacement or repair as provided herein. In no event shall DATA FLUTE be liable for any special, incidental or consequential damages. DATA FLUTE makes no other warranty, express or implied, except as set forth above; and neither assumes nor authorizes any other person or entity to assume for it any other obligation or liability in connection with any of its products.

### WARNING

Any cutting tool may break or shatter under improper use. Government regulations require use of safety glasses and other appropriate safety equipment at all times in the vicinity of use. Wet or dry grinding of cutting tools produces potentially hazardous dusts or mists; to avoid adverse health effects, use adequate ventilation and read the material Safety Data Sheet for further applicable tool material or grade before grinding.



## Contact Us

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Pittsfield, MA 01201  
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[www.dataflute.com](http://www.dataflute.com)