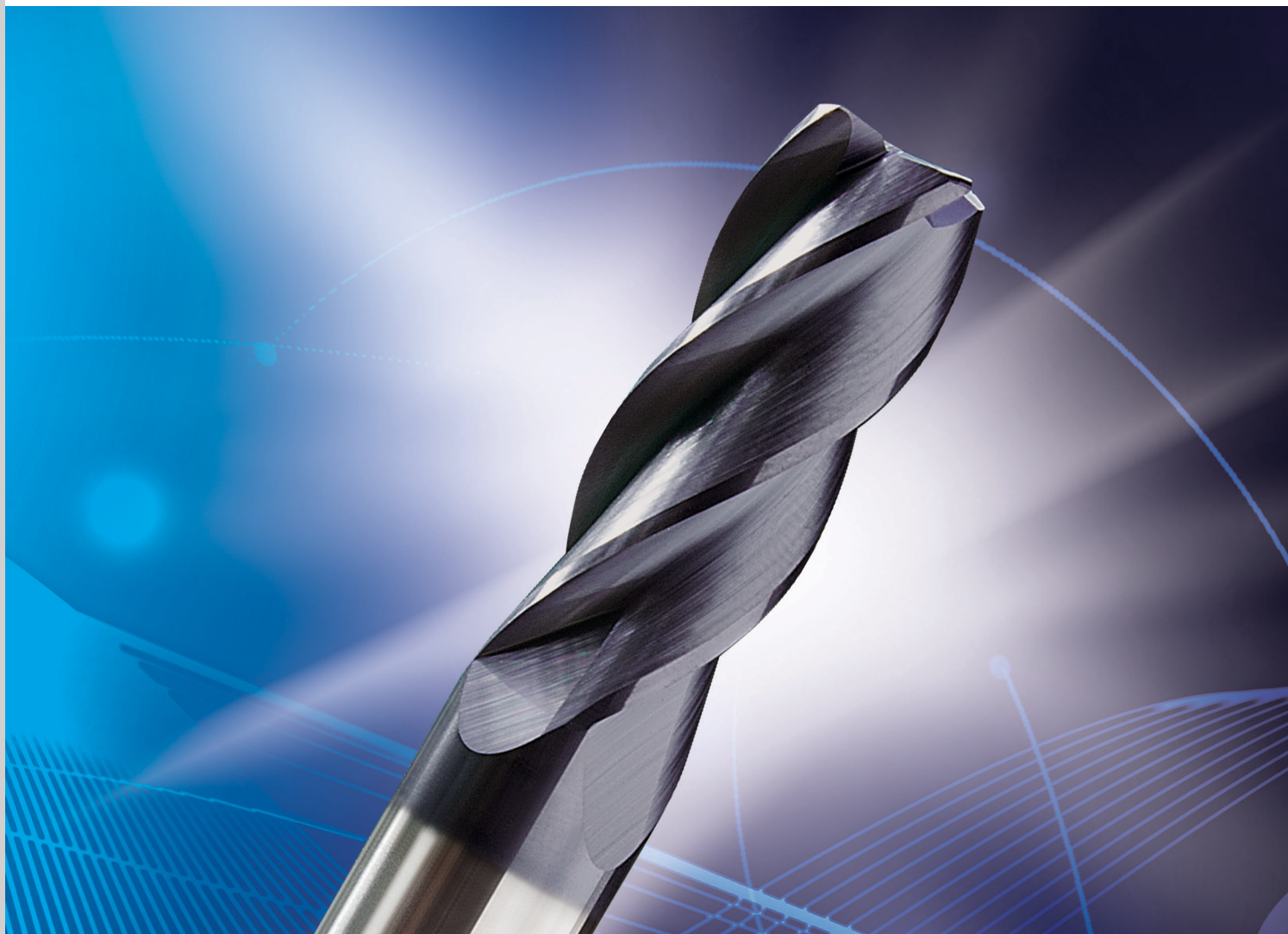




- **Confident, go-to choice for carbon and alloy steels, stainless steels and titanium alloys**
- **Versatile across applications**
 - Slotting
 - Finishing
 - Roughing
 - Dynamic milling
- **Robust, proven geometry**
 - Eccentric relief for cutting edge strength and stability
 - Variably indexed to reduce unwanted harmonics
- **Broad Offering**
 - Diameters from 1/8" to 1"
 - Multiple radii
 - Standard and reduced neck shanks

WORK MATERIAL

P H M S K

RECOMMENDED OPERATION

	SLOTTING (S)	HEAVY PERIPHERAL (HP)	PERIPHERAL (P)	LIGHT PERIPHERAL (LP)	FINISHING (F)
AE	80%DC<_≤100%DC	40%DC<_≤80%DC	25%DC<_≤40%DC	5%DC<_≤25%DC	≤ 5%DC
AP	0.5 to 1.0 x DC	0.5 to 1.0 x DC	1.0 to 1.5 x DC	2.0 x DC	APMX

COATING

C10 C11

SSI-4,
Four Flute, Inch

High Performance Carbide

Part Number	Dia DC	Shank DCON	LOC APMX	LBS LU	Neck Dia DN	OAL OAL/FL	Style	Coating	Square 0.000	0.010	Radius Offering 0.020	0.030	0.060
SSI-ST-40125-	1/8	1/8	1/4			2	A	C11	52523-85-D	51430-85-D		52390-85-D	
								C10	52523-70-D	51430-70-D		52390-70-D	
SSI-40125-	1/8	1/8	1/2			2-1/2	A	C11	52525-85-D	51434-85-D		52526-85-D	
								C10	52525-70-D	51434-70-D		52526-70-D	
SSI-RN-40125-	1/8	1/8	1/4	0.375	0.115	2-1/2	B	C11		53344-85-D		53345-85-D	
SSI-RN-M-40125-	1/8	1/8	1/4	0.500	0.115	2-1/2	B	C11		53346-85-D		53347-85-D	
SSI-RN-L-40125-	1/8	1/8	1/4	0.625	0.115	2-1/2	B	C11		53348-85-D		53350-85-D	
SSI-ST-40156-	5/32	3/16	3/16			2	C	C11	52527-85-D	51438-85-D			
								C10	52527-70-D	51438-70-D			
SSI-ST-40156-	5/32	3/16	5/16			2	C	C11	52529-85-D	51442-85-D			
								C10	52529-70-D	51442-70-D			
SSI-40156-	5/32	3/16	9/16			2-1/2	C	C11	52531-85-D	52451-85-D			
								C10	52531-70-D	52451-70-D			
SSI-ST-40187-	3/16	3/16	3/16			2	A	C11	52533-85-D	51446-85-D		52534-85-D	
								C10	52533-70-D	51446-70-D		52534-70-D	
SSI-ST-40187-	3/16	3/16	5/16			2	A	C11	52535-85-D	51450-85-D		52536-85-D	
								C10	52535-70-D	51450-70-D		52536-70-D	
SSI-40187-	3/16	3/16	9/16			2-1/2	A	C11	52537-85-D	51454-85-D		52538-85-D	
								C10	52537-70-D	51454-70-D		52538-70-D	
SSI-RN-40187-	3/16	3/16	5/16	0.500	0.175	3	B	C11		53351-85-D		53352-85-D	
SSI-RN-M-40187-	3/16	3/16	5/16	0.750	0.175	3	B	C11		53354-85-D		53356-85-D	
SSI-RN-L-40187-	3/16	3/16	5/16	1.000	0.175	3	B	C11		53358-85-D		53360-85-D	
SSI-ST-40218-	7/32	1/4	3/8			2	C	C11	52539-85-D		51458-85-D		
								C10	52539-70-D		51458-70-D		
SSI-STL-40218-	7/32	1/4	1/2			2-1/2	C	C11	52541-85-D		51462-85-D		
								C10	52541-70-D		51462-70-D		
SSI-40218-	7/32	1/4	3/4			2-1/2	C	C11	52544-85-D		51466-85-D		
								C10	52544-70-D		51466-70-D		
SSI-ST-40250-	1/4	1/4	3/8			2	A	C11	52546-85-D		51303-85-D	52547-85-D	
								C10	52546-70-D		51303-70-D	52547-70-D	
SSI-STL-40250-	1/4	1/4	1/2			2-1/2	A	C11	52548-85-D		51474-85-D	52549-85-D	
								C10	52548-70-D		51474-70-D	52549-70-D	
SSI-40250-	1/4	1/4	3/4			2-1/2	A	C11	52550-85-D		51336-85-D	52551-85-D	
								C10	52550-70-D		51336-70-D	52551-70-D	
SSI-M-40250-	1/4	1/4	1-1/4			3	A	C11	52552-85-D		52455-85-D	52554-85-D	
								C10	52552-70-D		52455-70-D	52554-70-D	
SSI-RN-40250-	1/4	1/4	3/8	0.750	0.235	3	B	C11			53362-85-D	53363-85-D	52872-85-D
SSI-RN-M-40250-	1/4	1/4	3/8	1.125	0.235	4	B	C11			53364-85-D	53367-85-D	53368-85-D
SSI-RN-L-40250-	1/4	1/4	3/8	2.125	0.235	4	B	C11			51398-85-D	53369-85-D	53370-85-D
SSI-ST-40281-	9/32	5/16	7/16			2-1/2	C	C11	52555-85-D		51479-85-D		
								C10	52555-70-D		51479-70-D		
SSI-40281-	9/32	5/16	3/4			2-1/2	C	C11	52558-85-D		51483-85-D		
								C10	52558-70-D		51483-70-D		
SSI-ST-40312-	5/16	5/16	7/16			2-1/2	A	C11	52560-85-D		51307-85-D	52562-85-D	
								C10	52560-70-D		51307-70-D	52562-70-D	
SSI-STL-40312-	5/16	5/16	5/8			2-1/2	A	C11	52563-85-D		51491-85-D	52564-85-D	
								C10	52563-70-D		51491-70-D	52564-70-D	
SSI-40312-	5/16	5/16	13/16			2-1/2	A	C11	52566-85-D		51341-85-D	52567-85-D	
								C10	52566-70-D		51341-70-D	52567-70-D	
SSI-M-40312-	5/16	5/16	1-1/4			3	A	C11	52568-85-D		52460-85-D	52570-85-D	
								C10	52568-70-D		52460-70-D	52570-70-D	
SSI-ST-40343-	11/32	3/8	1/2			2-1/2	C	C11	52572-85-D		51496-85-D		
								C10	52572-70-D		51496-70-D		
SSI-40343-	11/32	3/8	1			2-1/2	C	C11	52576-85-D		51500-85-D		
								C10	52576-70-D		51500-70-D		
SSI-M-40343-	11/32	3/8	1-1/4			3	C	C11	52579-85-D		52465-85-D		
								C10	52579-70-D		52465-70-D		

Continued next page

SSI-4,
Four Flute, Inch

Continued

High Performance Carbide

Part Number	Dia DC	Shank DCON	LOC APMX	LBS LU	Neck Dia DN	OAL OAL/FL	Style	Coating	Square 0.000	0.020	Radius Offering 0.030	0.060	0.090
SSI-ST-40375-	3/8	3/8	1/2			2-1/2	A	C11	52582-85-D	51311-85-D	52583-85-D	52584-85-D	
								C10	52582-70-D	51311-70-D	52583-70-D	52584-70-D	
SSI-STL-40375-	3/8	3/8	3/4			2-1/2	A	C11	52585-85-D	51508-85-D	52586-85-D	52587-85-D	
								C10	52585-70-D	51508-70-D	52586-70-D	52587-70-D	
SSI-40375-	3/8	3/8	1			2-1/2	A	C11	52588-85-D	51346-85-D	52589-85-D	52590-85-D	
								C10	52588-70-D	51346-70-D	52589-70-D	52590-70-D	
SSI-M-40375-	3/8	3/8	1-1/4			3	A	C11	52591-85-D	51513-85-D	52592-85-D	52593-85-D	
								C10	52591-70-D	51513-70-D	52592-70-D	52593-70-D	
SSI-L-40375-	3/8	3/8	1-1/2			4	A	C11	52594-85-D	51517-85-D	52595-85-D	52596-85-D	
								C10	52594-70-D	51517-70-D	52595-70-D	52596-70-D	
SSI-X-40375-	3/8	3/8	2			4	A	C11	52597-85-D	51522-85-D	52598-85-D	52599-85-D	
								C10	52597-70-D	51522-70-D	52598-70-D	52599-70-D	
SSI-RN-40375-	3/8	3/8	1/2	1.125	0.355	4	B	C11		53371-85-D	53372-85-D	53373-85-D	53374-85-D
SSI-RN-M-40375-	3/8	3/8	1/2	2.125	0.355	4	B	C11		53375-85-D	53376-85-D	53377-85-D	53378-85-D
SSI-RN-L-40375-	3/8	3/8	1/2	3.125	0.355	6	B	C11		53379-85-D	53380-85-D	53381-85-D	53382-85-D
SSI-RN-X-40375-	3/8	3/8	1/2	4.125	0.355	6	B	C11		53383-85-D	53384-85-D	53385-85-D	53386-85-D
SSI-ST-40406-	13/32	7/16	9/16			2-1/2	C	C11	52600-85-D	52470-85-D			
								C10	52600-70-D	52470-70-D			
SSI-40406-	13/32	7/16	1			2-3/4	C	C11	52603-85-D	52475-85-D			
								C10	52603-70-D	52475-70-D			
SSI-ST-40437-	7/16	7/16	9/16			2-1/2	A	C11	52606-85-D	51315-85-D	52607-85-D	52608-85-D	
								C10	52606-70-D	51315-70-D	52607-70-D	52608-70-D	
SSI-40437-	7/16	7/16	1			3	A	C11	52609-85-D	51351-85-D	52610-85-D	52611-85-D	
								C10	52609-70-D	51351-70-D	52610-70-D	52611-70-D	
SSI-M-40437-	7/16	7/16	1-1/4			3-1/2	A	C11	52612-85-D	51533-85-D	52613-85-D	52614-85-D	
								C10	52612-70-D	51533-70-D	52613-70-D	52614-70-D	
SSI-ST-40469-	15/32	1/2	5/8			3	C	C11	52615-85-D	51538-85-D			
								C10	52615-70-D	51538-70-D			
SSI-40469-	15/32	1/2	1			3	C	C11	52619-85-D	51542-85-D			
								C10	52619-70-D	51542-70-D			
SSI-M-40469-	15/32	1/2	1-1/4			3-1/2	C	C11	52524-85-D	51547-85-D			
								C10	52524-70-D	51547-70-D			
SSI-ST-40500-	1/2	1/2	5/8			3	A	C11	52628-85-D		51319-85-D	52630-85-D	52631-85-D
								C10	52628-70-D		51319-70-D	52630-70-D	52631-70-D
SSI-STL-40500-	1/2	1/2	1			3	A	C11	52633-85-D		52480-85-D	52635-85-D	52636-85-D
								C10	52633-70-D		52480-70-D	52635-70-D	52636-70-D
SSI-40500-	1/2	1/2	1-1/4			3	A	C11	52638-85-D		51379-85-D	52640-85-D	52641-85-D
								C10	52638-70-D		51379-70-D	52640-70-D	52641-70-D
SSI-M-40500-	1/2	1/2	1-3/4			4	A	C11	52643-85-D		51581-85-D	52645-85-D	52646-85-D
								C10	52643-70-D		51581-70-D	52645-70-D	52646-70-D
SSI-L-40500-	1/2	1/2	2			4	A	C11	51585-85-D		52650-85-D	52651-85-D	52652-85-D
								C10	52648-70-D		51585-70-D	52650-70-D	52651-70-D
SSI-X-40500-	1/2	1/2	3			5	A	C11	52653-85-D		51589-85-D	52655-85-D	52656-85-D
								C10	52653-70-D		51589-70-D	52655-70-D	52656-70-D
SSI-RN-40500-	1/2	1/2	5/8	1.500	0.475	4	B	C11			53387-85-D	53388-85-D	53389-85-D
SSI-RN-M-40500-	1/2	1/2	5/8	2.250	0.475	4	B	C11			53390-85-D	53391-85-D	53392-85-D
SSI-RN-L-40500-	1/2	1/2	5/8	3.375	0.475	6	B	C11			53394-85-D	53395-85-D	53397-85-D
SSI-RN-X-40500-	1/2	1/2	5/8	4.125	0.475	6	B	C11			53398-85-D	53399-85-D	53500-85-D

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, Four Flute, Inch Continued

High Performance Carbide

Part Number	Dia DC	Shank DCON	LOC APMX	LBS LU	Neck Dia DN	OAL OAL/FL	Style	Coating	Square 0.000	0.030	0.060	Radius Offering 0.090	0.120	0.156	0.190
SSI-ST-40625-	5/8	5/8	3/4			3	A	C11	52658-85-D	51324-85-D	52660-85-D	52661-85-D	52662-85-D		
								C10	52658-70-D	51324-70-D	52660-70-D	52661-70-D	52662-70-D		
SSI-STL-40625-	5/8	5/8	1-1/4			3-1/2	A	C11	52663-85-D	51593-85-D	52665-85-D	52666-85-D	52667-85-D		
								C10	52663-70-D	51593-70-D	52665-70-D	52666-70-D	52667-70-D		
SSI-40625-	5/8	5/8	1-5/8			3-1/2	A	C11	52668-85-D	51383-85-D	52670-85-D	52671-85-D	52672-85-D		
								C10	52668-70-D	51383-70-D	52670-70-D	52671-70-D	52672-70-D		
SSI-M-40625-	5/8	5/8	2			4	A	C11	52673-85-D	51598-85-D	52675-85-D	52676-85-D	52677-85-D		
								C10	52673-70-D	51598-70-D	52675-70-D	52676-70-D	52677-70-D		
SSI-L-40625-	5/8	5/8	2-1/2			5	A	C11	52678-85-D	52396-85-D	52680-85-D	52681-85-D	52682-85-D		
								C10	52678-70-D	52396-70-D	52680-70-D	52681-70-D	52682-70-D		
SSI-X-40625-	5/8	5/8	3			6	A	C11	52683-85-D	52400-85-D	52685-85-D	52686-85-D	52687-85-D		
								C10	52683-70-D	52400-70-D	52685-70-D	52686-70-D	52687-70-D		
SSI-RN-40625-	5/8	5/8	3/4	1.625	0.590	4	B	C11		53502-85-D	53503-85-D	53504-85-D	53505-85-D		
SSI-RN-M-40625-	5/8	5/8	3/4	2.375	0.590	6	B	C11		53506-85-D	53507-85-D	53508-85-D	53509-85-D		
SSI-RN-L-40625-	5/8	5/8	3/4	3.375	0.590	6	B	C11		53510-85-D	53511-85-D	53512-85-D	53513-85-D		
SSI-RN-X-40625-	5/8	5/8	3/4	4.125	0.590	6	B	C11		53514-85-D	53515-85-D	53516-85-D	53517-85-D		
SSI-ST-40750-	3/4	3/4	1			3	A	C11	52688-85-D	51330-85-D	52690-85-D	52691-85-D	52692-85-D	53176-85-D	53177-85-D
								C10	52688-70-D	51330-70-D	52690-70-D	52691-70-D	52692-70-D	53176-70-D	53177-70-D
SSI-40750-	3/4	3/4	1-5/8			4	A	C11	52693-85-D	51387-85-D	52696-85-D	52697-85-D	52845-85-D	52847-85-D	52849-85-D
								C10	52693-70-D	51387-70-D	52696-70-D	52697-70-D	52845-70-D	52847-70-D	52849-70-D
SSI-M-40750-	3/4	3/4	2-1/4			5	A	C11	52698-85-D	52406-85-D	52700-85-D	52701-85-D	52702-85-D	52860-85-D	52862-85-D
								C10	52698-70-D	52406-70-D	52700-70-D	52701-70-D	52702-70-D	52860-70-D	52862-70-D
SSI-L-40750-	3/4	3/4	3			6	A	C11	52703-85-D	52410-85-D	52705-85-D	52706-85-D	52707-85-D	53196-85-D	53197-85-D
								C10	52703-70-D	52410-70-D	52705-70-D	52706-70-D	52707-70-D	53196-70-D	53197-70-D
SSI-X-40750-	3/4	3/4	4			7	A	C11	52708-85-D	52414-85-D	52710-85-D	52711-85-D	52712-85-D	53304-85-D	53305-85-D
								C10	52708-70-D	52414-70-D	52710-70-D	52711-70-D	52712-70-D	53304-70-D	53305-70-D
SSI-RN-40750-	3/4	3/4	1	2.000	0.715	4	B	C11		53518-85-D	53519-85-D	53520-85-D	53521-85-D		
SSI-RN-M-40750-	3/4	3/4	1	2.500	0.715	6	B	C11		51422-85-D	53522-85-D	53523-85-D	53524-85-D		
SSI-RN-L-40750-	3/4	3/4	1	3.375	0.715	6	B	C11		53525-85-D	53526-85-D	53527-85-D	53528-85-D		
SSI-RN-X-40750-	3/4	3/4	1	4.125	0.715	6	B	C11		53529-85-D	53530-85-D	53531-85-D	53532-85-D		
SSI-ST-41000-	1	1	1-1/4			4	A	C11	52713-85-D	51335-85-D	52715-85-D	52716-85-D	52717-85-D	53312-85-D	53313-85-D
								C10	52713-70-D	51335-70-D	52715-70-D	52716-70-D	52717-70-D	53312-70-D	53313-70-D
SSI-41000-	1	1	2			5	A	C11	52718-85-D	51391-85-D	52721-85-D	52722-85-D	52723-85-D	53320-85-D	53321-85-D
								C10	52718-70-D	51391-70-D	52721-70-D	52722-70-D	52723-70-D	53320-70-D	53321-70-D
SSI-M-41000-	1	1	2-5/8			6	A	C11	52724-85-D	52422-85-D	52726-85-D	52727-85-D	52728-85-D	53328-85-D	53329-85-D
								C10	52724-70-D	52422-70-D	52726-70-D	52727-70-D	52728-70-D	53328-70-D	53329-70-D
SSI-L-41000-*	1	1	3-1/4			6	A	C11	40104-85-D	44999-85-D					
								C10	40104-70-D	44999-70-D					
SSI-X-41000-*	1	1	4-1/8			7	A	C11	40105-85-D	45000-85-D					
								C10	40105-70-D	45000-70-D					
SSI-RN-41000-	1	1	1-1/4	2.250	0.960	4	B	C11		53533-85-D	53534-85-D	53535-85-D	53536-85-D		
SSI-RN-M-41000-	1	1	1-1/4	2.625	0.960	6	B	C11		53537-85-D	53538-85-D	53539-85-D	53540-85-D		
SSI-RN-L-41000-	1	1	1-1/4	3.375	0.960	6	B	C11		53541-85-D	53542-85-D	53543-85-D	53544-85-D		
SSI-RN-X-41000-	1	1	1-1/4	4.125	0.960	6	B	C11		53545-85-D	53546-85-D	53547-85-D	53548-85-D		

* non-stock standards



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