



- High performance carbide substrate formerly only offered in our SSI-7 series
- Silicon-based premium coating to support longer tool life
- New micro-geometry developed in our R&D lab and perfected in the field
- 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

WORK MATERIAL

P	Steel
H	Hardened Steel
M	Stainless Steel
S	Super Alloys
K	Cast Iron

RECOMMENDED OPERATION

	SLOTING (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 15 x DC	2.0 x DC	APMX

COATING



SSI-5 *plus*, Five 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	0.090
SSIp-ST-50125 -	1/8	1/8	1/4			2	A	C35	55142-35-D	55144-35-D		55145-35-D		
SSIp-50125 -	1/8	1/8	1/2			2 1/2	A	C35	54905-35-D	54906-35-D		54907-35-D		
SSIp-RN-50125 -	1/8	1/8	1/4	0.375	0.115	2 1/2	B	C35		55036-35-D		55037-35-D		
SSIp-RN-M-50125 -	1/8	1/8	1/4	0.500	0.115	2 1/2	B	C35		55091-35-D		55092-35-D		
SSIp-RN-L-50125 -	1/8	1/8	1/4	0.625	0.115	2 1/2	B	C35		55063-35-D		55064-35-D		
SSIp-ST-50156 -	5/32	3/16	3/16			2	C	C35	55230-35-D	55231-35-D				
SSIp-ST-50156 -	5/32	3/16	5/16			2	C	C35	55146-35-D	55147-35-D				
SSIp-50156 -	5/32	3/16	9/16			2 1/2	C	C35	54908-35-D	54909-35-D				
SSIp-ST-50187 -	3/16	3/16	3/16			2	A	C35	55232-35-D	55233-35-D		55234-35-D		
SSIp-ST-50187 -	3/16	3/16	5/16			2	A	C35	55148-35-D	55149-35-D		55151-35-D		
SSIp-50187 -	3/16	3/16	9/16			2 1/2	A	C35	54910-35-D	54911-35-D		54912-35-D		
SSIp-RN-50187 -	3/16	3/16	5/16	0.500	0.175	3	B	C35		55038-35-D		55039-35-D		
SSIp-RN-M-50187 -	3/16	3/16	5/16	0.750	0.175	3	B	C35		55093-35-D		55094-35-D		
SSIp-RN-L-50187 -	3/16	3/16	5/16	1.000	0.175	3	B	C35		55065-35-D		55066-35-D		
SSIp-ST-50218 -	7/32	1/4	3/8			2	C	C35	55152-35-D		55153-35-D			
SSIp-ST-L-50218 -	7/32	1/4	1/2			2 1/2	C	C35	55206-35-D		55207-35-D			
SSIp-50218 -	7/32	1/4	3/4			2 1/2	C	C35	54913-35-D		54914-35-D			
SSIp-ST-50250 -	1/4	1/4	3/8			2	A	C35	55155-35-D		55157-35-D	55159-35-D		
SSIp-ST-L-50250 -	1/4	1/4	1/2			2 1/2	A	C35	55208-35-D		55209-35-D	55210-35-D		
SSIp-50250 -	1/4	1/4	3/4			2 1/2	A	C35	54915-35-D		54917-35-D	54918-35-D		
SSIp-M-50250 -	1/4	1/4	1 1/4			3	A	C35	54992-35-D		54993-35-D	54994-35-D		
SSIp-RN-50250 -	1/4	1/4	3/8	0.750	0.235	3	B	C35		55040-35-D	55041-35-D	55042-35-D		
SSIp-RN-M-50250 -	1/4	1/4	3/8	1.125	0.235	4	B	C35		55095-35-D	55096-35-D	55097-35-D		
SSIp-RN-L-50250 -	1/4	1/4	3/8	2.125	0.235	4	B	C35		55067-35-D	55068-35-D	55069-35-D		
SSIp-ST-50281 -	9/32	5/16	7/16			2 1/2	C	C35	55160-35-D		55161-35-D			
SSIp-50281 -	9/32	5/16	3/4			2 1/2	C	C35	54919-35-D		54920-35-D			
SSIp-ST-50312 -	5/16	5/16	7/16			2 1/2	A	C35	55162-35-D		55163-35-D	55164-35-D		
SSIp-ST-L-50312 -	5/16	5/16	5/8			2 1/2	A	C35	55211-35-D		55212-35-D	55214-35-D		
SSIp-50312 -	5/16	5/16	13/16			2 1/2	A	C35	54921-35-D		54922-35-D	54923-35-D		
SSIp-M-50312 -	5/16	5/16	1 1/4			3	A	C35	54995-35-D		54996-35-D	54997-35-D		
SSIp-ST-50343 -	11/32	3/8	1/2			2 1/2	C	C35	55165-35-D		55166-35-D			
SSIp-50343 -	11/32	3/8	1			2 1/2	C	C35	54924-35-D		54925-35-D			
SSIp-M-50343 -	11/32	3/8	1 1/4			3	C	C35	54998-35-D		54999-35-D			
SSIp-ST-50375 -	3/8	3/8	1/2			2 1/2	A	C35	55167-35-D		55168-35-D	55170-35-D	55171-35-D	
SSIp-ST-L-50375 -	3/8	3/8	3/4			2 1/2	A	C35	55215-35-D		55216-35-D	55217-35-D	55218-35-D	
SSIp-50375 -	3/8	3/8	1			2 1/2	A	C35	54926-35-D		54927-35-D	54929-35-D	54930-35-D	
SSIp-M-50375 -	3/8	3/8	1 1/4			3	A	C35	55000-35-D		55001-35-D	55002-35-D	55003-35-D	
SSIp-L-50375 -	3/8	3/8	1 1/2			4	A	C35	54970-35-D		54971-35-D	54972-35-D	54973-35-D	
SSIp-X-50375 -	3/8	3/8	2			4	A	C35	55235-35-D		55236-35-D	55237-35-D	55238-35-D	
SSIp-RN-50375 -	3/8	3/8	1/2	1.125	0.355	4	B	C35		55043-35-D	55044-35-D	55045-35-D	55046-35-D	
SSIp-RN-M-50375 -	3/8	3/8	1/2	2.125	0.355	4	B	C35		55098-35-D	55099-35-D	55100-35-D	55101-35-D	
SSIp-RN-L-50375 -	3/8	3/8	1/2	3.125	0.355	6	B	C35		55070-35-D	55071-35-D	55072-35-D	55073-35-D	
SSIp-RN-X-50375 -	3/8	3/8	1/2	4.125	0.355	6	B	C35		55121-35-D	55122-35-D	55123-35-D	55124-35-D	
SSIp-ST-50406 -	13/32	7/16	9/16			2 1/2	C	C35	55172-35-D		55173-35-D			
SSIp-50406 -	13/32	7/16	1			2 3/4	C	C35	54931-35-D		54932-35-D			
SSIp-ST-50437 -	7/16	7/16	9/16			2 1/2	A	C35	55174-35-D		55175-35-D	55176-35-D	55177-35-D	
SSIp-50437 -	7/16	7/16	1			3	A	C35	54933-35-D		54934-35-D	54935-35-D	54936-35-D	
SSIp-M-50437 -	7/16	7/16	1 1/4			3 1/2	A	C35	55004-35-D		55005-35-D	55006-35-D	55007-35-D	
SSIp-ST-50469 -	15/32	1/2	5/8			3	C	C35	55178-35-D		55179-35-D			
SSIp-50469 -	15/32	1/2	1			3	C	C35	54937-35-D		54938-35-D			
SSIp-M-50469 -	15/32	1/2	1 1/4			3 1/2	C	C35	55008-35-D		55009-35-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-5 *plus*, Five Flute, Inch

High Performance Carbide

Part Number	Dia	Shank	LOC	LBS	Neck		Style	Coating	Square		Radius Offering						
	DC	DCON	APMX	LU	Dia	OAL			OAL/FL	0.000	0.030	0.060	0.090	0.120	0.156	0.190	
SSIp-ST-50500 -	1/2	1/2	5/8				3	A	C35	55180-35-D	55182-35-D	55184-35-D	55185-35-D	55186-35-D			
SSIp-ST-L-50500 -	1/2	1/2	1				3	A	C35	55219-35-D	55220-35-D	55221-35-D	55222-35-D	55223-35-D			
SSIp-50500 -	1/2	1/2	1 1/4				3	A	C35	54939-35-D	54940-35-D	54942-35-D	54945-35-D	54946-35-D			
SSIp-M-50500 -	1/2	1/2	1 3/4				4	A	C35	55010-35-D	55011-35-D	55013-35-D	55014-35-D	55015-35-D			
SSIp-L-50500 -	1/2	1/2	2				4	A	C35	54974-35-D	54975-35-D	54976-35-D	54977-35-D	54978-35-D			
SSIp-X-50500 -	1/2	1/2	3				5	A	C35	55239-35-D	55240-35-D	55241-35-D	55242-35-D	55243-35-D			
SSIp-RN-50500 -	1/2	1/2	5/8	1.500	0.475		4	B	C35		55047-35-D	55048-35-D	55049-35-D	55050-35-D			
SSIp-RN-M-50500 -	1/2	1/2	5/8	2.250	0.475		4	B	C35		55102-35-D	55104-35-D	55105-35-D	55106-35-D			
SSIp-RN-L-50500 -	1/2	1/2	5/8	3.375	0.475		6	B	C35		55074-35-D	55075-35-D	55076-35-D	55077-35-D			
SSIp-RN-X-50500 -	1/2	1/2	5/8	4.125	0.475		6	B	C35		55125-35-D	55126-35-D	55127-35-D	55128-35-D			
SSIp-ST-50625 -	5/8	5/8	3/4				3	A	C35	55187-35-D	55188-35-D	55189-35-D	55190-35-D	55191-35-D			
SSIp-ST-L-50625 -	5/8	5/8	1 1/4				3 1/2	A	C35	55225-35-D	55226-35-D	55227-35-D	55228-35-D	55229-35-D			
SSIp-50625 -	5/8	5/8	1 5/8				3 1/2	A	C35	54947-35-D	54948-35-D	54949-35-D	54950-35-D	54951-35-D			
SSIp-M-50625 -	5/8	5/8	2				4	A	C35	55016-35-D	55017-35-D	55018-35-D	55019-35-D	55020-35-D			
SSIp-L-50625 -	5/8	5/8	2 1/2				5	A	C35	54979-35-D	54980-35-D	54981-35-D	54982-35-D	54983-35-D			
SSIp-X-50625 -	5/8	5/8	3				6	A	C35	55244-35-D	55245-35-D	55246-35-D	55247-35-D	55248-35-D			
SSIp-RN-50625 -	5/8	5/8	3/4	1.625	0.590		4	B	C35		55051-35-D	55052-35-D	55053-35-D	55054-35-D			
SSIp-RN-M-50625 -	5/8	5/8	3/4	2.375	0.590		6	B	C35		55107-35-D	55108-35-D	55109-35-D	55110-35-D			
SSIp-RN-L-50625 -	5/8	5/8	3/4	3.375	0.590		6	B	C35		55078-35-D	55079-35-D	55080-35-D	55081-35-D			
SSIp-RN-X-50625 -	5/8	5/8	3/4	4.125	0.590		6	B	C35		55129-35-D	55130-35-D	55131-35-D	55132-35-D			
SSIp-ST-50750 -	3/4	3/4	1				3	A	C35	55192-35-D	55193-35-D	55194-35-D	55195-35-D	55196-35-D	55197-35-D	55198-35-D	
SSIp-50750 -	3/4	3/4	1 5/8				4	A	C35	54952-35-D	54953-35-D	54955-35-D	54957-35-D	54958-35-D	54960-35-D	54961-35-D	
SSIp-M-50750 -	3/4	3/4	2 1/4				5	A	C35	55021-35-D	55023-35-D	55024-35-D	55025-35-D	55026-35-D	55027-35-D	55028-35-D	
SSIp-L-50750 -	3/4	3/4	3				6	A	C35	54984-35-D	54985-35-D	54986-35-D	54987-35-D	54988-35-D	54989-35-D	54990-35-D	
SSIp-X-50750 -	3/4	3/4	4				7	A	C35	55249-35-D	55250-35-D	55251-35-D	55252-35-D	55253-35-D	55254-35-D	55255-35-D	
SSIp-RN-50750 -	3/4	3/4	1	2.000	0.715		4	B	C35		55055-35-D	55056-35-D	55057-35-D	55058-35-D			
SSIp-RN-M-50750 -	3/4	3/4	1	2.500	0.715		6	B	C35		55112-35-D	55113-35-D	55114-35-D	55115-35-D			
SSIp-RN-L-50750 -	3/4	3/4	1	3.375	0.715		6	B	C35		55082-35-D	55083-35-D	55084-35-D	55085-35-D			
SSIp-RN-X-50750 -	3/4	3/4	1	4.125	0.715		6	B	C35		55133-35-D	55134-35-D	55135-35-D	55136-35-D			
SSIp-ST-51000 -	1	1	1 1/4				4	A	C35	55199-35-D	55200-35-D	55201-35-D	55202-35-D	55203-35-D	55204-35-D	55205-35-D	
SSIp-51000 -	1	1	2				5	A	C35	54962-35-D	54963-35-D	54964-35-D	54966-35-D	54967-35-D	54968-35-D	54969-35-D	
SSIp-M-51000 -	1	1	2 5/8				6	A	C35	55029-35-D	55030-35-D	55031-35-D	55032-35-D	55033-35-D	55034-35-D	55035-35-D	
SSIp-L-51000 -	1	1	3 1/4				6	A	C35	54991-35-D							
SSIp-X-51000 -	1	1	4 1/8				7	A	C35	55256-35-D							
SSIp-RN-51000 -	1	1	1 1/4	2.250	0.960		4	B	C35		55059-35-D	55060-35-D	55061-35-D	55062-35-D			
SSIp-RN-M-51000 -	1	1	1 1/4	2.625	0.960		6	B	C35		55117-35-D	55118-35-D	55119-35-D	55120-35-D			
SSIp-RN-L-51000 -	1	1	1 1/4	3.375	0.960		6	B	C35		55087-35-D	55088-35-D	55089-35-D	55090-35-D			
SSIp-RN-X-51000 -	1	1	1 1/4	4.125	0.960		6	B	C35		55137-35-D	55138-35-D	55139-35-D	55140-35-D			

CLICK HERE

To Submit Inquiries or Contact Your Local Sales Manager

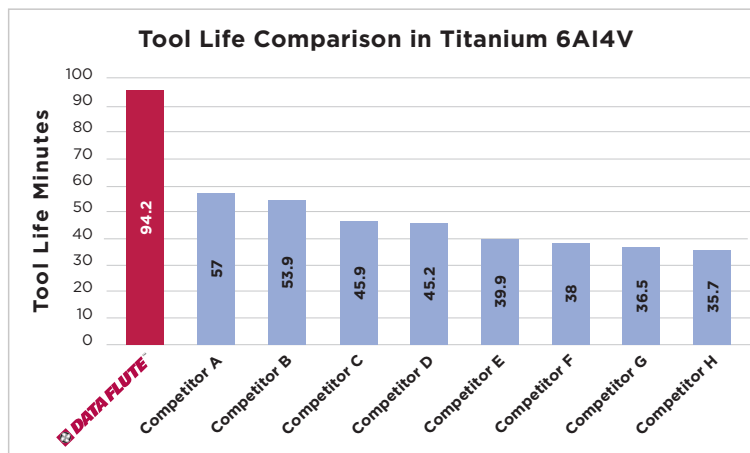


For years now our SSI-5 has been the mainstay of our variably indexed, ferrous alloy rougher/finisher. Truly the all-terrain vehicle of our ferrous alloy series.

For 2022, we are pleased to launch the SSI-5 *plus*. We have updated the already impressive SSI-5 with a new, advanced substrate, an even higher-performance coating and field tested micro-geometry. The result is a tool that provides outstanding cutting performance and substantially greater tool life.

The SSI-5 *plus* will appeal to our customers who demand high performance endmills, but seek to minimize tool changes, or tool inventory, over a wider range of milling operations. This offering will mirror the SSI-5 with regard to diameters, lengths of cut, overall lengths and radii offered. This will be a running change as we transition our 5 flute, variably indexed, ferrous alloy rougher/finisher from the SSI-5 to the SSI-5 *plus*.

SSI-5 *plus* vs Leading Competitors



**Tool life results from accelerated wear test*



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