



- The SSI-6 end mill fits squarely into our product offering, between our SSI-5*plus* and SSI-7 series
- High-performance carbide substrate as used in our SSI-5*plus* and SSI-7 series
- Silicon-based premium coating to support longer tool life in Titanium Alloys and Stainless Steels
- Versatile across applications
 - Finishing
 - High Efficiency Milling (HEM)
- 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

	PERIPHERAL (P)	LIGHT PERIPHERAL (LP)	FINISHING (F)
AE	25%DC < \leq 40%DC	5%DC < \leq 25%DC	\leq 5%DC
AP	1.0 to 15 x DC	2.0 x DC	APMX

COATING



SSI-6, Six Flute, Inch

High Performance Carbide

RADIUS OFFERING

Part Number	Dia (DC)	Shank (DCON)	LOC (APMX)	LBS (LU)	Neck Dia (DN)	OAL	Coating	SQUARE 0.000	0.010	0.020	0.030	0.060	0.090	0.120
SSIST60125-	1/8	1/8	1/4			2	C35	55324-35-D	55325-35-D					
SSI60125-	1/8	1/8	1/2			2 1/2	C35	55322-35-D	55323-35-D					
SSIST60187-	3/16	3/16	5/16			2	C35	55328-35-D	55329-35-D					
SSI60187-	3/16	3/16	9/16			2 1/2	C35	55326-35-D	55327-35-D					
SSIST60250-	1/4	1/4	3/8			2	C35	55338-35-D	55339-35-D	55340-35-D	55341-35-D			
SSISTL60250-	1/4	1/4	1/2			2 1/2	C35	55342-35-D	55343-35-D	55344-35-D	55345-35-D			
SSI60250-	1/4	1/4	3/4			2 1/2	C35	55330-35-D	55331-35-D	55332-35-D	55333-35-D			
SSIM60250-	1/4	1/4	1 1/4			3	C35	55334-35-D	55335-35-D	55336-35-D	55337-35-D			
SSIST60312-	5/16	5/16	7/16			2 1/2	C35	55352-35-D	55353-35-D	55354-35-D				
SSISTL60312-	5/16	5/16	5/8			2 1/2	C35	55355-35-D	55356-35-D	55357-35-D				
SSI60312-	5/16	5/16	13/16			2 1/2	C35	55346-35-D	55347-35-D	55348-35-D				
SSIM60312-	5/16	5/16	1 1/4			3	C35	55349-35-D	55350-35-D	55351-35-D				
SSIST60375-	3/8	3/8	1/2			2 1/2	C35	55393-35-D	55394-35-D	55395-35-D	55396-35-D	55397-35-D		
SSISTL60375-	3/8	3/8	3/4			2 1/2	C35	55398-35-D	55399-35-D	55400-35-D	55401-35-D	55402-35-D		
SSI60375-	3/8	3/8	1			2 1/2	C35	55358-35-D	55359-35-D	55360-35-D	55361-35-D	55362-35-D		
SSIM60375-	3/8	3/8	1 1/4			3	C35	55368-35-D	55369-35-D	55370-35-D	55371-35-D	55372-35-D		
SSIL60375-	3/8	3/8	1 1/2			4	C35	55363-35-D	55364-35-D	55365-35-D	55366-35-D	55367-35-D		
SSIX60375-	3/8	3/8	2			4	C35	55403-35-D	55404-35-D	55405-35-D	55406-35-D	55407-35-D		
SSIRN60375-	3/8	3/8	1/2	1.125	0.355	4	C35	55373-35-D	55374-35-D	55375-35-D	55376-35-D	55377-35-D		
SSIRNM60375-	3/8	3/8	1/2	2.125	0.355	4	C35	55383-35-D	55384-35-D	55385-35-D	55386-35-D	55387-35-D		
SSIRNL60375-	3/8	3/8	1/2	3.125	0.355	6	C35	55378-35-D	55379-35-D	55380-35-D	55381-35-D	55382-35-D		
SSIRNX60375-	3/8	3/8	1/2	4.125	0.355	6	C35	55388-35-D	55389-35-D	55390-35-D	55391-35-D	55392-35-D		
SSIST60500-	1/2	1/2	5/8			3	C35	55455-35-D	55456-35-D	55457-35-D	55458-35-D	55459-35-D	55460-35-D	
SSISTL60500-	1/2	1/2	1			3	C35	55461-35-D	55462-35-D	55463-35-D	55464-35-D	55465-35-D	55466-35-D	
SSI60500-	1/2	1/2	1 1/4			3	C35	55408-35-D	55409-35-D	55410-35-D	55411-35-D	55412-35-D	55413-35-D	
SSIM60500-	1/2	1/2	1 3/4			4	C35	55425-35-D	55426-35-D	55427-35-D	55428-35-D	55429-35-D	55430-35-D	
SSIL60500-	1/2	1/2	2			4	C35	55419-35-D	55420-35-D	55421-35-D	55422-35-D	55423-35-D	55424-35-D	
SSIX60500-	1/2	1/2	3			5	C35	55467-35-D	55468-35-D	55469-35-D	55470-35-D	55471-35-D	55472-35-D	
SSIRN60500-	1/2	1/2	5/8	1.500	0.475	4	C35	55431-35-D	55432-35-D	55433-35-D	55434-35-D	55435-35-D	55436-35-D	
SSIRNM60500-	1/2	1/2	5/8	2.250	0.475	4	C35	55443-35-D	55444-35-D	55445-35-D	55446-35-D	55447-35-D	55448-35-D	
SSIRNL60500-	1/2	1/2	5/8	3.375	0.475	6	C35	55437-35-D	55438-35-D	55439-35-D	55440-35-D	55441-35-D	55442-35-D	
SSIRNX60500-	1/2	1/2	5/8	4.125	0.475	6	C35	55449-35-D	55450-35-D	55451-35-D	55452-35-D	55453-35-D	55454-35-D	



SSI-6, Six Flute, Inch

High Performance Carbide

RADIUS OFFERING

Part Number	Dia (DC)	Shank (DCON)	LOC (APMX)	LBS (LU)	Neck Dia (DN)	OAL	Coating	SQUARE 0.000	0.030	0.060	0.090	0.120	0.190	0.250
SSIST60625-	5/8	5/8	3/4			3	C35	55712-35-D	55713-35-D	55714-35-D	55715-35-D	55716-35-D		
SSISTL60625-	5/8	5/8	1 1/4			3 1/2	C35	55717-35-D	55718-35-D	55719-35-D	55720-35-D	55721-35-D		
SSI60625-	5/8	5/8	1 5/8			3 1/2	C35	55473-35-D	55474-35-D	55475-35-D	55476-35-D	55477-35-D		
SSIM60625-	5/8	5/8	2			4	C35	55487-35-D	55488-35-D	55489-35-D	55490-35-D	55491-35-D		
SSIL60625-	5/8	5/8	2 1/2			5	C35	55482-35-D	55483-35-D	55484-35-D	55485-35-D	55486-35-D		
SSIX60625-	5/8	5/8	3			6	C35	55722-35-D	55723-35-D	55724-35-D	55725-35-D	55726-35-D		
SSIRN60625-	5/8	5/8	3/4	1.625	0.590	4	C35	55492-35-D	55493-35-D	55494-35-D	55495-35-D	55496-35-D		
SSIRNL60625-	5/8	5/8	3/4	3.375	0.590	6	C35	55497-35-D	55498-35-D	55499-35-D	55700-35-D	55701-35-D		
SSIRNM60625-	5/8	5/8	3/4	2.375	0.590	6	C35	55702-35-D	55703-35-D	55704-35-D	55705-35-D	55706-35-D		
SSIRNX60625-	5/8	5/8	3/4	4.125	0.590	6	C35	55707-35-D	55708-35-D	55709-35-D	55710-35-D	55711-35-D		
SSIST60750-	3/4	3/4	1			3	C35	55774-35-D	55775-35-D	55776-35-D	55777-35-D	55778-35-D	55779-35-D	
SSI60750-	3/4	3/4	1 5/8			4	C35	55727-35-D	55728-35-D	55729-35-D	55730-35-D	55731-35-D	55732-35-D	
SSIM60750-	3/4	3/4	2 1/4			5	C35	55739-35-D	55740-35-D	55741-35-D	55742-35-D	55743-35-D	55744-35-D	
SSIL60750-	3/4	3/4	3			6	C35	55733-35-D	55734-35-D	55735-35-D	55736-35-D	55737-35-D	55738-35-D	
SSIX60750-	3/4	3/4	4			7	C35	55780-35-D	55781-35-D	55782-35-D	55783-35-D	55784-35-D	55785-35-D	
SSIRN60750-	3/4	3/4	1	2.000	0.715	4	C35	55750-35-D	55751-35-D	55752-35-D	55753-35-D	55754-35-D	55755-35-D	
SSIRNL60750-	3/4	3/4	1	3.375	0.715	6	C35	55756-35-D	55757-35-D	55758-35-D	55759-35-D	55760-35-D	55761-35-D	
SSIRNM60750-	3/4	3/4	1	2.500	0.715	6	C35	55762-35-D	55763-35-D	55764-35-D	55765-35-D	55766-35-D	55767-35-D	
SSIRNX60750-	3/4	3/4	1	4.125	0.715	6	C35	55768-35-D	55769-35-D	55770-35-D	55771-35-D	55772-35-D	55773-35-D	
SSIST61000-	1	1	1 1/4			4	C35	55853-35-D	55854-35-D	55841-35-D	55842-35-D	55843-35-D	55844-35-D	55845-35-D
SSI61000-	1	1	2			5	C35	55786-35-D	55787-35-D	55788-35-D	55789-35-D	55790-35-D	55791-35-D	55792-35-D
SSIM61000-	1	1	2 5/8			6	C35	55806-35-D	55807-35-D	55808-35-D	55809-35-D	55810-35-D	55811-35-D	55812-35-D
SSIL61000-	1	1	3 1/4			6	C35	55799-35-D	55800-35-D	55801-35-D	55802-35-D	55803-35-D	55804-35-D	55805-35-D
SSIX61000-	1	1	4 1/8			7	C35	55846-35-D	55847-35-D	55848-35-D	55849-35-D	55850-35-D	55851-35-D	55852-35-D
SSIRN61000-	1	1	1 1/4	2.250	0.960	4	C35	55813-35-D	55814-35-D	55815-35-D	55816-35-D	55817-35-D	55818-35-D	55819-35-D
SSIRNL61000-	1	1	1 1/4	3.375	0.960	6	C35	55820-35-D	55821-35-D	55822-35-D	55823-35-D	55824-35-D	55825-35-D	55826-35-D
SSIRNM61000-	1	1	1 1/4	2.625	0.960	6	C35	55827-35-D	55828-35-D	55829-35-D	55830-35-D	55831-35-D	55832-35-D	55833-35-D
SSIRNX61000-	1	1	1 1/4	4.125	0.960	6	C35	55834-35-D	55835-35-D	55836-35-D	55837-35-D	55838-35-D	55839-35-D	55840-35-D

with CHIP BREAKERS

RADIUS OFFERING

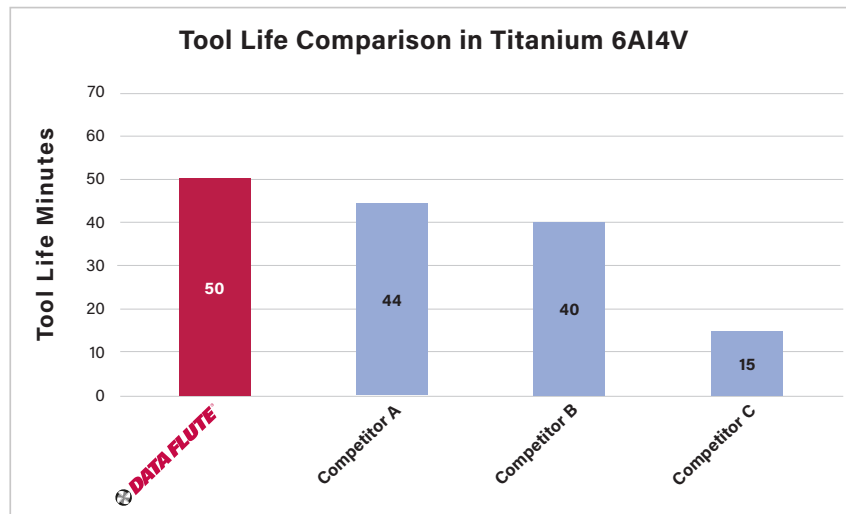
Part Number	Dia (DC)	Shank (DCON)	LOC (APMX)	OAL	Coating	0.020	0.030	0.060	0.090	0.120	0.190	0.250
SSIC60500-	1/2	1/2	1 1/4	3	C35	55414-35-D	55415-35-D	55416-35-D	55417-35-D	55418-35-D		
SSIC60625-	5/8	5/8	1 5/8	3 1/2	C35	55478-35-D	55479-35-D	55480-35-D	55481-35-D			
SSIMC60750-	3/4	3/4	2 1/4	5	C35	55745-35-D	55746-35-D	55747-35-D	55748-35-D	55749-35-D		
SSIC61000-	1	1	2	5	C35	55793-35-D	55794-35-D	55795-35-D	55796-35-D	55797-35-D	55798-35-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.

Data Flute has led the field in variably indexed tools for ferrous alloys with the SSI-4, SSI-5, SSI-5*plus*, and SSI-7. The newly designed SSI-6 fits squarely in between the SSI-5*plus* and SSI-7 tools. The SSI-6 can provide higher feed rates than the SSI-5*plus* while also providing a tool that is freer cutting than the SSI-7. We have taken the same proven coating and advanced substrate and applied it to the field tested geometry of the SSI-6.

The SSI-6 will provide outstanding tool life and metal removal rates for our customers who require 6 flute end mills for their ferrous alloy milling applications. The SSI-6 is also available with chip breakers in limited sizes but we can also add chip breakers to specials and modified standards.

SSI-6 vs Leading Competitors



**Tool life results from accelerated wear test*



Data Flute ▪ 9 Betnr Industrial Drive ▪ Pittsfield, MA 01201 ▪ Phone: 800-447-1476
www.dataflute.com

