

Ingersoll is proud to announce the latest addition to the Evo-Tec family...

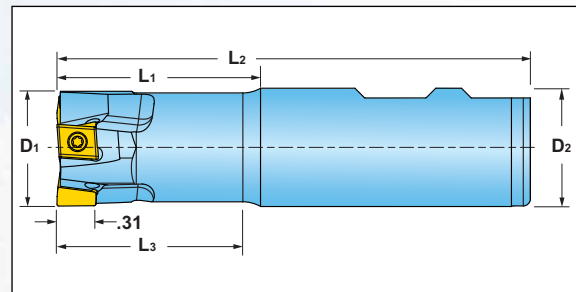
- Diameters from Ø.75" thru Ø3.00"
- Multiple densities and extension lengths with coolant through
- Chip Surfer style, TopOn style, Weldon style, and Shell Mill style
- Large rest pad provides stable seating in DOC to .310"
- 4 indexable insert available in .015", .031", & .062" corner rad

• **EVO-TEC** SERIES 1SJ1Y

EVO-TEC END MILL



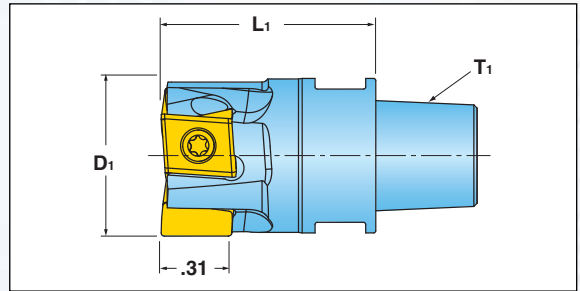
Small in size...
BIG on performance!!!



Cutter Number	D1 Eff. Dia.	Number of Inserts	Number of Effective Inserts	L1 Extension Length	L2 Overall Length	L3 Projection Length	Max DOC	D2 Shank Size/Style	Coolant Thru
1SJ1Y-0701284R01	0.750	2	2	1.25	3.25	1.06	0.31	.750" Weldon	Yes
1SJ1Y-0701280R02	0.750	3	3	1.25	3.50	0.95	0.31	1.000" Weldon	Yes
1SJ1Y-0701280R01	0.750	2	2	1.25	3.50	0.95	0.31	1.000" Weldon	Yes
1SJ1Y-0702280R01	0.750	2	2	2.25	4.50	1.95	0.31	1.000" Weldon	Yes
1SJ1Y-0703280R01	0.750	2	2	3.25	5.50	2.95	0.31	1.000" Weldon	Yes
1SJ1Y-1001784R01	1.000	3	3	1.75	3.75	1.75	0.31	.750" Weldon	Yes
1SJ1Y-1001780R01	1.000	3	3	1.75	4.00	1.56	0.31	1.000" Weldon	Yes
1SJ1Y-1001780R02	1.000	4	4	1.75	4.00	1.56	0.31	1.000" Weldon	Yes
1SJ1Y-1003280R01	1.000	3	3	3.25	5.50	3.06	0.31	1.000" Weldon	Yes
1SJ1Y-1201784R01	1.250	3	3	1.75	3.75	1.75	0.31	.750" Weldon	Yes
1SJ1Y-1201781R02	1.250	5	5	1.75	4.00	1.56	0.31	1.250" Weldon	Yes
1SJ1Y-1201781R01	1.250	3	3	1.75	4.00	1.56	0.31	1.250" Weldon	Yes
1SJ1Y-1203281R01	1.250	4	4	3.25	5.50	3.06	0.31	1.250" Weldon	Yes
1SJ1Y-1501781R02	1.500	6	6	1.75	4.00	1.75	0.31	1.250" Weldon	Yes
1SJ1Y-1501781R01	1.500	4	4	1.75	4.00	1.75	0.31	1.250" Weldon	Yes
1SJ1Y-1502281R01	1.500	5	5	2.25	4.50	2.25	0.31	1.250" Weldon	Yes

EVO-TEC^{MAX} SERIES 1SJ1Y (CHIP SURFER STYLE)

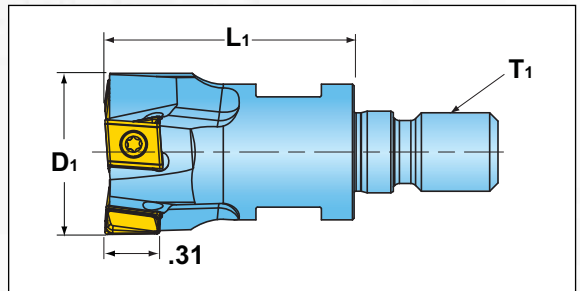
EVO-TEC END MILL



1SJ1Y-07010TSR01	0.750	T12	1.00	3	NA
1SJ1Y-10012TUR01	1.000	T15	1.25	4	NA

EVO-TEC^{MAX} SERIES 1SJ1Y (TOP-ON STYLE)

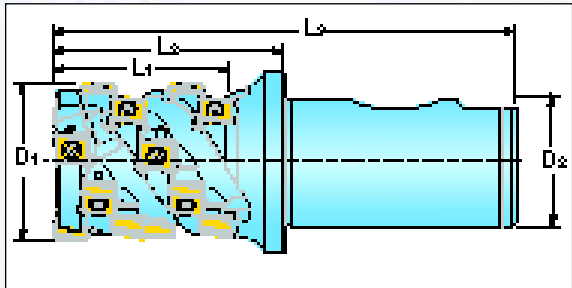
EVO-TEC END MILL



Cutter Number	D1 Nominal Diameter	T1 Adaption	L1 Extension Length	Number of Inserts	Wrench Size
1SJ1Y-07015X6R01	0.750	10mm	1.50	2	15mm
1SJ1Y-07015X6R02	0.750	10mm	1.50	3	15mm
1SJ1Y-10015X7R02	1.000	12mm	1.50	4	17mm
1SJ1Y-10015X7R01	1.000	12mm	1.50	3	18mm
1SJ1Y-12017X8R01	1.250	16mm	1.75	3	22mm
1SJ1Y-12017X8R02	1.250	16mm	1.75	5	22mm
1SJ1Y-15017X8R01	1.500	16mm	1.75	4	22mm
1SJ1Y-15017X8R01	1.500	16mm	1.75	6	22mm

• **EVO-TEC^{MAX}** SERIES 2SJ3Y

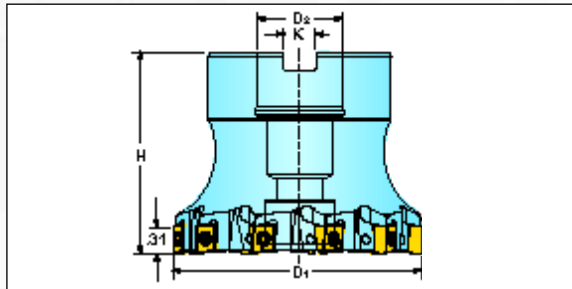
EVO-TEC EXTENDED FLUTE END MILL



Cutter Number	D1 Nom. Dia.	L1 Length of Cut	L2 Extension Length	L3 Overall Length	D2 Shank Size/Style	Number of Effective Flutes	Number of Flutes Total	Number of Inserts
2SJ3Y-1001780R01	1.000	1.14	1.75	4.00	1.000" Weldon w/Flange	2	2	8
2SJ3Y-1201781R01	1.250	1.14	1.75	4.00	1.250" Weldon w/Flange	3	3	12
2SJ3Y-1502281R01	1.500	1.68	2.25	4.50	1.250" Weldon w/Flange	3	3	18

• **EVO-TEC^{MAX}** SERIES SJ_Y

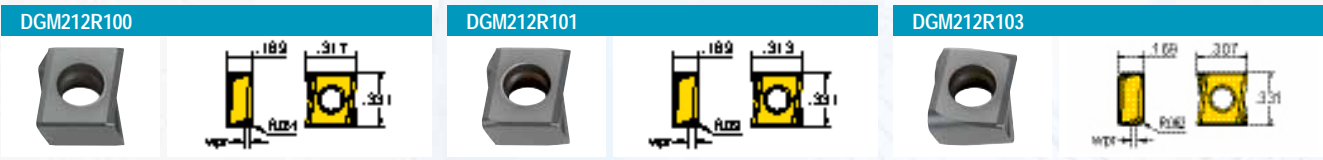
EVO-TEC FACE MILL



Cutter Number	D1 Effective Diameter	Number of Inserts	H Height	D2 Bore Dia.	Retention Bolt	K Keyway
SJ5Y-01R01	1.500	6	1.570	0.500	SD-04-46	0.250
SJ6Y-01R01	1.500	4	1.570	0.500	SD-04-46	0.250
SJ5Y-02R01	2.000	7	1.570	0.750	SD-06-46	0.312
SJ6Y-02R01	2.000	5	1.570	0.750	SD-06-46	0.312
SJ5Y-02R02	2.500	9	1.570	0.750	SD-06-46	0.312
SJ6Y-02R02	2.500	6	1.570	0.750	SD-06-46	0.312
SJ5Y-03R01	3.000	11	2.375	1.000	SD-08-43	0.375
SJ6Y-03R01	3.000	7	2.375	1.000	SD-08-43	0.375

EVO•TEG^{MAX} INSERTS FOR END MILLS AND FACE MILLS

INSERTS



Part Number	Applications	Grade	Grades								
			IN2005	IN2015	IN2030						
DGM212R100	Multi-Purpose - 0.015" R										
DGM212R101	Multi-Purpose - 0.031" R										
DGM212R103	Multi-Purpose - 0.062" R										

EVO•TEG^{MAX} HARDWARE FOR END MILLS AND FACE MILLS



.750	SM30-074-21	DS-T08W
1.000 - 3.000	SM30-082-21	DS-T08W

EVO•TEG^{MAX} TECHNICAL INFORMATION

Series 1SJ1Y, SJ_Y, 2SJ3Y

Material	Brinell Hardness	SFM	Feed per Insert	Grades			Coolant
				IN2005	IN2015	IN2030	
Cast Iron	Gray	150-250	500-1200	.003-.010	2	1	No
	Nodular		400-800				
Steel	Low Carbon 1018, 8620	100-250	400-850	.003-.008	1	2	No
	High Carbon F-6180	250-400	350-650				
	Alloyed Steel 4140, 4340	150-300	300-600				
	Tool Steel A-6, D-1, D-2	Up to 300					
Stainless Steel	300 Series, 304, 316	-	300-600	.003-.006		1	May not be required at high speeds
	400 Series 15-5 PH	-	350-700				Yes
	13-8 PH	-	200-400				
Nickel Alloys	Inconel 600, 706, 718, 903, Hastelloy, Waspalloy	-	75-150	.003-.004		1	Yes
Titanium	6AL-4V, TI-10-2-3, TI-5553	-	75-200	.003-.004		1	Yes