

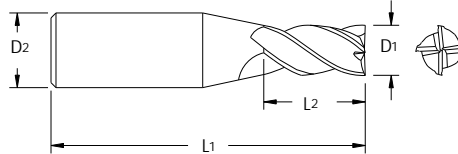
NEW SIZES!

177 & 179 Micros

Small, but Mighty, Extreme Roughing End Mills.
Relentless Roughing cuts on Stainless Steel, Inconel
and all hard to machine materials.



177 Series
Four Flute
Square End
Center Cutting



Tool No.	EDP	Diameter D1			Shank D2		OAL L1		Flute Length L2	
		Inch	mm	Decimal	Inch	mm	Inch	mm	Inch	mm
17705900A	17680		1.5	.0591		3		38		3.0
17706250A	17692	1/16		.0625	1/8		1-1/2		1/8	
17707810A	17694	5/64		.0781	1/8		1-1/2		5/32	
17707870A	17682		2	.0787		3		38		4.0
17709370A	17696	3/32		.0937	1/8		1-1/2		3/16	
17709840A	17684		2.5	.0984		3		38		5.0
17711803A	17686		3	.1181		3		38		6.0
17713700A	17688		3.5	.1378		6		63		7.0
17717700A	17690		4.5	.1772		6		63		9.0

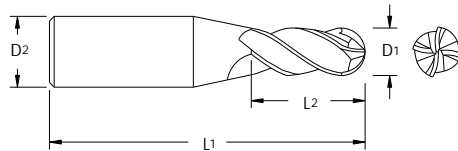
Tolerance

Inch	
D ₁	Tolerance
≤1/4	+0.000/-0.002
>1/4-1	+0.000/-0.003

Metric (mm)

D ₁	Tolerance h10
≤3.0	+0.000/-0.040
>3.0-6.0	+0.000/-0.048
>6.0-10.0	+0.000/-0.058
>10.0-18.0	+0.000/-0.070
>18.0-25.0	+0.000/-0.084

179 Series
Four Flute
Ball Nose
Center Cutting



Tool No.	EDP	Diameter D1			Shank D2		OAL L1		Flute Length L2	
		Inch	mm	Decimal	Inch	mm	Inch	mm	Inch	mm
17905900A	18272		1.5	.0591		3		38		3.0
17906250A	18284	1/16		.0625	1/8		1-1/2		1/8	
17907810A	18286	5/64		.0781	1/8		1-1/2		5/32	
17907870A	18274		2	.0787		3		38		4.0
17909370A	18288	3/32		.0937	1/8		1-1/2		3/16	
17909840A	18276		2.5	.0984		3		38		5.0
17911803A	18278		3	.1181		3		38		6.0
17913700A	18280		3.5	.1378		6		63		7.0
17917700A	18282		4.5	.1772		6		63		9.0



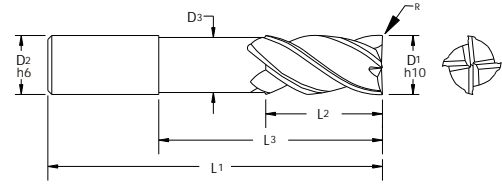
Contact your local Premier Sales Partner Distributor,
or M.A. Ford® at 563-391-6220 or 800-553-8024
e-mail: sales@maford.com • www.maford.com

**NEW
EXTENDED REACH
STYLE!**

177S

Series

Four Flute
Square End
Center Cutting



Extended Reach with Shank Relief

Tool No.	EDP	D1 Tol h10	D2 h6	D3	L1	L2	L3	Shank Flat
177S1181A	18218	3	6	2.9	50	5	11	None
177S1575A	18220	4	6	3.9	50	6	14	None
177S1969A	18222	5	6	4.9	57	8	17	None
177S2362A	18224	6	6	5.8	57	9	20	None
177S3150A	18226	8	8	7.6	63	12	26	None
177S3937A	18228	10	10	9.6	72	15	32	None
177S4724A	18230	12	12	11.4	83	18	38	None
177S6299A	18232	16	16	15.2	98	24	50	None
177S7874A	18234	20	20	19.2	112	30	62	None

Extended Reach with Shank Relief and Shank Flat

Tool No.	EDP	D1 Tol h10	D2 h6	D3	L1	L2	L3	Shank Flat
177S1181AW	18254	3	6	2.9	50	5	11	DIN 6535 HB
177S1575AW	18256	4	6	3.9	50	6	14	DIN 6535 HB
177S1969AW	18258	5	6	4.9	57	8	17	DIN 6535 HB
177S2362AW	18260	6	6	5.8	57	9	20	DIN 6535 HB
177S3150AW	18262	8	8	7.6	63	12	26	DIN 6535 HB
177S3937AW	18264	10	10	9.6	72	15	32	DIN 6535 HB
177S4724AW	18266	12	12	11.4	83	18	38	DIN 6535 HB
177S6299AW	18268	16	16	15.2	98	24	50	DIN 6535 HB
177S7874AW	18270	20	20	19.2	112	30	62	DIN 6535 HB

177SR

Series

Four Flute
Corner Radius
Center Cutting



Extended Reach with Shank Relief

Tool No.	EDP	D1 Tol h10	D2 h6	D3	L1	L2	L3	R	Shank Flat
177S1181R008A	18200	3	6	2.9	50	5	11	0.2	None
177S1575R008A	18202	4	6	3.9	50	6	14	0.2	None
177S1969R008A	18204	5	6	4.9	57	8	17	0.2	None
177S2362R012A	18206	6	6	5.8	57	9	20	0.3	None
177S3150R020A	18208	8	8	7.6	63	12	26	0.5	None
177S3937R020A	18210	10	10	9.6	72	15	32	0.5	None
177S4724R020A	18212	12	12	11.4	83	18	38	0.5	None
177S6299R039A	18214	16	16	15.2	98	24	50	1.0	None
177S7874R039A	18216	20	20	19.2	112	30	62	1.0	None

Extended Reach with Shank Relief and Shank Flat

Tool No.	EDP	D1 Tol h10	D2 h6	D3	L1	L2	L3	R	Shank Flat
177S1181R008AW	18236	3	6	2.9	50	5	11	0.2	DIN 6535 HB
177S1575R008AW	18238	4	6	3.9	50	6	14	0.2	DIN 6535 HB
177S1969R008AW	18240	5	6	4.9	57	8	17	0.2	DIN 6535 HB
177S2362R012AW	18242	6	6	5.8	57	9	20	0.3	DIN 6535 HB
177S3150R020AW	18244	8	8	7.6	63	12	26	0.5	DIN 6535 HB
177S3937R020AW	18246	10	10	9.6	72	15	32	0.5	DIN 6535 HB
177S4724R020AW	18248	12	12	11.4	83	18	38	0.5	DIN 6535 HB
177S6299R039AW	18250	16	16	15.2	98	24	50	1.0	DIN 6535 HB
177S7874R039AW	18252	20	20	19.2	112	30	62	1.0	DIN 6535 HB