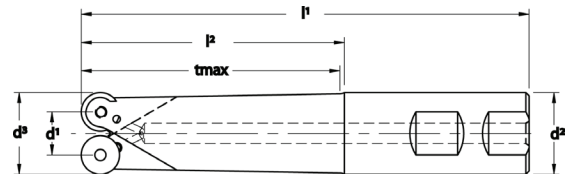
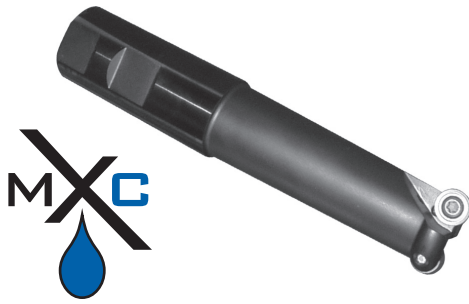


# TR360

## Copy Milling Cutters



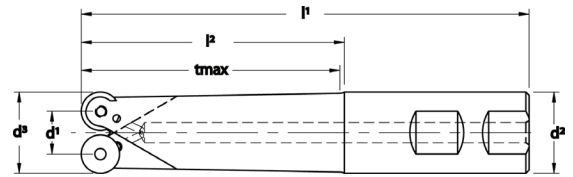
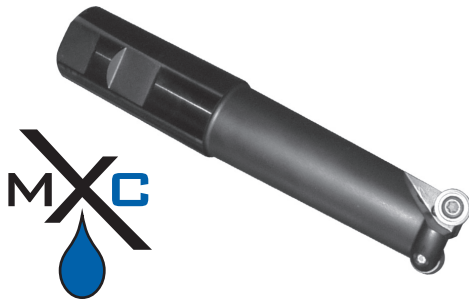
### End Mills with Coolant Through using 15° Positive Inserts for Profiling & Contouring

Designation	d <sup>3</sup>	d <sup>1</sup>	d <sup>2</sup>	l <sup>1</sup>	l <sup>2</sup>	t <sub>max</sub>	ramp angle	flutes	Insert	Insert Screw	Wrench
TR360-0500-36	.500	.185	.625	3.65	1.74	1.64	10°	1	<i>(8mm insert size)</i> RDMT-0802MOT RDMW-0802MOT RDHT-0802MOT	214.80.013	214.80.866 (S/D) 214.80.011 (F/T)
TR360-0500-44	.500	.185	.625	4.40	2.49	2.39	10°	1			
TR360-0500-51	.500	.185	.625	5.15	3.24	3.14	10°	1			
TR360-0625-36A	.625	.310	.625	3.65	1.74	1.74	10°	1			
TR360-0625-36	.625	.310	.625	3.65	1.74	1.74	60°	2			
TR360-0625-44A	.625	.310	.625	4.40	2.49	2.49	10°	1			
TR360-0625-44	.625	.310	.625	4.40	2.49	2.49	60°	2			
TR360-0625-52A	.625	.310	.750	5.28	3.25	3.14	10°	1			
TR360-0625-52	.625	.310	.750	5.28	3.25	3.14	60°	2			
TR360-0625-60	.625	.310	.750	6.03	4.00	3.89	60°	2			
TR360-0625-70	.625	.310	1.000	7.03	4.75	1.65	60°	2			
TR360-0750-37X	.750	.435	.750	3.78	1.75	1.74	22°	2			
TR360-0750-45X	.750	.435	.750	4.53	2.50	2.40	22°	2			
TR360-0750-55X	.750	.435	1.000	5.53	3.25	3.06	22°	2			
TR360-0750-70X	.750	.435	1.000	7.03	4.75	4.56	22°	2			
TR360-1000R08-47	1.000	.685	1.000	4.78	2.50	2.50	10°	3			
TR360-1000R08-55	1.000	.685	1.000	5.53	3.25	3.25	10°	3			
TR360-1000R08-67	1.000	.685	1.000	6.78	4.50	4.50	10°	3			
TR360-1250R08-47	1.250	.935	1.250	4.78	2.50	2.50	6°	5			
TR360-1250R08-62	1.250	.935	1.250	6.28	4.00	4.00	6°	5			

Remember to use COPALIP® anti-seize compound on all insert screws

# TR360

## Copy Milling Cutters



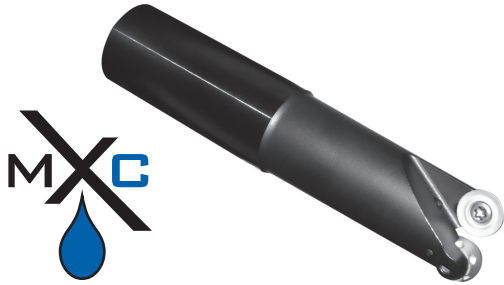
### End Mills with Coolant Through using 15° Positive Inserts for Profiling & Contouring

Designation	d <sup>3</sup>	d <sup>1</sup>	d <sup>2</sup>	l <sup>1</sup>	l <sup>2</sup>	t <sub>max</sub>	ramp angle	flutes	Insert	Insert Screw	Wrench
TR360-0750-37	.750	.356	.750	3.78	1.75	1.74	40°	2	(10mm insert size) RDMT-1003MOT RDMW-1003MOT RDHT-1003MOT	214.80.951	214.80.824 (S/D) 214.80.012 (F/T)
TR360-0750-45	.750	.356	.750	4.53	2.50	2.49	40°	2			
TR360-0750-55	.750	.356	1.000	5.53	3.25	3.06	40°	2			
TR360-0750-62	.750	.356	1.000	6.28	4.00	3.81	40°	2			
TR360-0750-70	.750	.356	1.000	7.03	4.75	4.56	40°	2			
TR360-1000-52X	1.000	.606	1.000	5.28	3.00	2.94	17°	2			
TR360-1000-67X	1.000	.606	1.250	6.78	4.50	4.44	17°	2			
TR360-1000-74X	1.000	.606	1.250	7.46	5.19	5.12	17°	2			
TR360-1000R10-40	1.000	.606	1.000	4.00	1.71	1.71	86°	3			
TR360-1000R10-52	1.000	.606	1.000	5.28	3.00	3.00	94°	3			
TR360-1000R10-67	1.000	.606	1.000	6.78	4.50	4.50	97°	3			
TR360-1250R10-40	1.250	.856	1.250	4.00	1.71	1.71	105°	4			
TR360-1250R10-52	1.250	.856	1.250	5.28	3.00	3.00	109°	4			
TR360-1250R10-67	1.250	.856	1.250	6.78	4.50	4.50	119°	4			
TR360-1000-47	1.000	.528	1.000	4.78	2.50	2.49	50°	2	(12mm insert size) RDMT-1204MOT-X RDMW-1204MOT-X RDHT-1204MOT-X	214.80.388	214.80.824 (S/D) 214.80.012 (F/T)
TR360-1000-55	1.000	.528	1.000	5.53	3.25	3.19	50°	2			
TR360-1000-64	1.000	.528	1.250	6.40	4.12	3.93	50°	2			
TR360-1000-71	1.000	.528	1.250	7.15	4.87	4.68	50°	2			
TR360-1250-54	1.250	.778	1.250	5.40	3.12	3.11	23°	2			
TR360-1250-61	1.250	.778	1.250	6.15	3.87	3.86	23°	2			
TR360-1250-72	1.250	.778	1.500	7.25	4.56	4.34	23°	2			
TR360-1250-80	1.250	.778	1.500	8.00	5.31	5.09	23°	2			
TR360-1500-56X	1.500	1.028	1.250	5.65	3.37	3.25	27°	3	(16mm insert size) RDMT-1605MOT-X RDMW-1605MOT-X RDHT-1605MOT-X	214.80.072	214.80.994 (S/D) 214.80.076 (F/T)
TR360-1500-71X	1.500	1.028	1.250	7.15	4.87	4.75	27°	3			
TR360-1500-54	1.500	.870	1.250	5.40	3.12	3.11	27°	2			
TR360-1500-61	1.500	.870	1.250	6.15	3.87	3.86	27°	2			
TR360-1500-72	1.500	.870	1.500	7.25	4.56	4.56	27°	2			
TR360-1500-80	1.500	.870	1.500	8.00	5.31	5.31	27°	2			

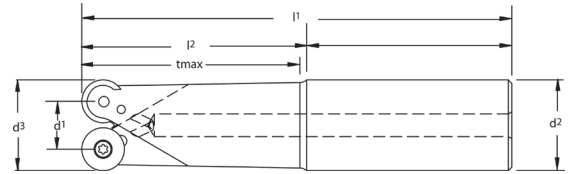
Remember to use COPASLIP® anti-seize compound on all insert screws

# TR360

## Copy Milling Cutters

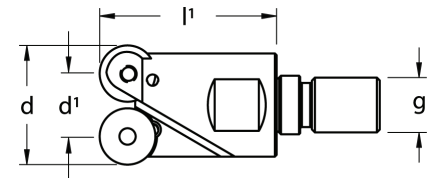


Cylindrical Shank End Mills with Coolant Through using 15° Positive Inserts for Profiling & Contouring



Designation	d <sup>3</sup>	d <sup>1</sup>	d <sup>2</sup>	l <sup>1</sup>	l <sup>2</sup>	tmax	ramp angle	flutes	Insert	Insert Screw	Wrench
TR360CY-0500-36	.500	.185	.625	3.65	1.74	1.64	10°	1	(8mm insert size) RDM_-0802MOT	214.80.013	214.80.866 (S/D) 214.80.011 (F/T)
TR360CY-0500-51	.500	.185	.625	5.15	3.24	3.14	10°	1			
TR360CY-0625-36	.625	.310	.625	3.65	1.74	1.74	60°	2			
TR360CY-0625-44	.625	.310	.625	4.40	2.49	2.49	60°	2			
TR360CY-0625-60	.625	.310	.750	6.03	4.00	3.89	60°	2			
TR360CY-0750-37X	.750	.435	.750	3.78	1.75	1.74	22°	2			
TR360CY-0750-45X	.750	.435	.750	4.53	2.50	2.49	22°	2			
TR360CY-0750-62X	.750	.435	.750	6.28	4.25	4.24	22°	2			
TR360CY-1000-47	1.000	.528	1.000	4.78	2.50	2.49	50°	2	(12mm insert size) RDM_-1204MOT-X	214.80.388	214.80.824 (S/D) 214.80.012 (F/T)
TR360CY-1000-71	1.000	.528	1.250	7.15	4.87	4.68	50°	2			

Remember to use COPASLIP® anti-seize compound on all insert screws



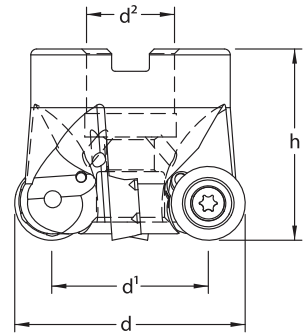
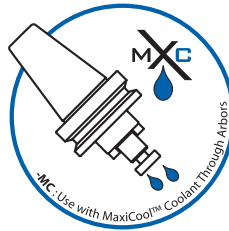
Screw-On Milling Cutters using 15° Positive Inserts for Copying & Face Milling

Designation	d	d mm	d <sup>1</sup>	g	l <sup>1</sup>	flutes	Insert	Insert Screw	Wrench
TR360-0500-TS	.500	12.70	.185	M6	1.10	1	(8mm insert size) RDM_-0802MOT	214.80.013	214.80.866 (S/D) 214.80.011 (F/T)
TR360-0500L-TS	.500	12.70	.185	M8	2.00	1			
TR360-0625-TS	.625	15.87	.310	M8	1.10	2			
TR360-0750-TS	.750	19.05	.435	M10	1.18	2			
TR360-1000R08-TS	1.000	25.40	.685	M12	1.50	3			
TR360-1250R08-TS	1.250	31.75	.935	M16	1.75	5	(10mm insert size) RDM_-1003MOT	214.80.951	214.80.824 (S/D) 214.80.012 (F/T)
TR360-0984-TS	.984	25.00	.591	M12	1.18	2			
TR360-1000R10-TS	1.000	25.40	.606	M12	1.50	3			
TR360-1181-TS	1.181	30.00	.787	M16	1.57	3	(12mm insert size) RDM_-1204MOT-X	214.80.388	214.80.824 (S/D) 214.80.012 (F/T)
TR360-1250R10-TS	1.250	31.75	.856	M16	1.75	4			
TR360-0945-TS	.945	24.00	.472	M12	1.18	2			
TR360-1000-TS	1.000	25.40	.528	M12	1.50	2			
TR360-1250-TS	1.250	31.75	.778	M16	1.75	2			
TR360-1378-TS	1.378	35.00	.906	M16	1.57	3	(16mm insert size) RDM_-1605MOT-X	214.80.072	214.80.994 (S/D) 214.80.076 (F/T)
TR360-1500-TS	1.500	38.10	1.028	M16	1.75	3			
TR360-1575-TS	1.575	40.00	1.102	M16	1.57	4			
TR360-1260-TS	1.260	32.00	.630	M16	1.57	2			

Remember to use COPASLIP® anti-seize compound on all insert screws

# TR360

## Copy Milling Cutters



### Face Mills using 15° Positive Inserts for Copying & Face Milling

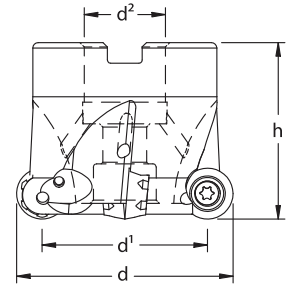
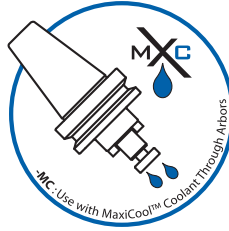
Designation	d	d <sup>1</sup>	d <sup>2</sup>	h	ramp angle	flutes	lbs	Insert	Insert Screw	Wrench
<b>Through Coolant Enabled</b>								(8mm insert size) RDM_-0802MOT	214.80.013	214.80.866 (S/D) 214.80.011 (F/T)
TR360-2RD08-MC	2.000	1.685	.750	1.63	1.8°	7	.85			
TR360-2RD10-MC	2.000	1.606	.750	1.63	4	5	.65	(10mm insert size) RDM_-1003MOT	214.80.951	214.80.824 (S/D) 214.80.012 (F/T)
TR360-2.5DR10-MC	2.500	2.106	1.000	1.75	3	6	1.20			
TR360-3RD10-MC	3.000	2.608	1.000	2.00	2.5°	8	2.00			
TR360-2RD12-MC	2.000	1.528	.750	1.63	10°	4	.65	(12mm insert size) RDM_-1204MOT-X	214.80.388	214.80.824 (S/D) 214.80.012 (F/T)
TR360-2RD12F-MC	2.000	1.528	.750	1.63	10°	5	.65			
TR360-2.5RD12F-MC	2.500	2.028	1.000	1.75	8°	6	1.20			
TR360-3RD12F-MC	3.000	2.528	1.000	2.00	5°	7	2.00			
TR360-2RD16-MC	2.000	1.370	.750	1.63	12°	3	.55	(16mm insert size) RDM_-1605MOT-X	214.80.072	214.80.994 (S/D) 214.80.076 (F/T)
TR360-2.5RD16-MC	2.500	1.870	1.000	1.75	8°	4	1.05			
TR360-3RD16-MC	3.000	2.370	1.000	2.00	11°	5	1.65			
TR360-4RD16-MC	4.000	3.370	1.250	2.00	7°	6	2.55			
<b>Standard Non Through Coolant</b>										
TR360-6RD16	6.000	5.370	1.500	2.00	7°	7	6.65			
TR360-8RD16*	8.000	7.370	2.000	2.50	8°	8	12.75			

\* Cutter supplied with 4 holes on a 4" bolt circle

Remember to use COPASLIP® anti-seize compound on all insert screws

# TR360

## Copy Milling Cutters



### Face Mills using 7° Positive Inserts for Milling, Duplicating, & Drilling

Designation	d	d <sup>1</sup>	d <sup>2</sup>	h	ramp angle	flutes	lbs	Insert	Insert Screw	Wrench
Through Coolant Enabled								(16mm insert size) RCMT-1606MOT-X RCMT-1606MO-43M	214.80.072	214.80.994 (S/D) 214.80.076 (F/T)
TR360-2RC16-MC	2.000	1.370	.750	1.63	12°	3	.60			
TR360-2.5RC16-MC	2.500	1.870	1.000	1.75	8°	4	1.10			
TR360-3RC16-MC	3.000	2.370	1.000	2.00	11°	5	1.70			
TR360-3RC16X-MC	3.000	2.370	1.250	2.00	11°	5	2.60			
TR360-4RC16-MC	4.000	3.370	1.250	2.00	7°	7	2.60			
TR360-4RC16X-MC	4.000	3.370	1.500	2.00	7°	7	2.65			
Standard Non Through Coolant										
TR360-6RC16	6.000	5.370	1.500	2.00	7°	9	6.60			
TR360-6RC16X	6.000	5.370	2.000	2.50	7°	9	7.15			
TR360-8RC16*	8.000	7.370	2.000	2.50	8°	11	14.25			
TR360-8RD16*	8.000	7.370	2.000	2.50	8°	8	12.75			

\* Cutter supplied with 4 holes on a 4" bolt circle

Remember to use COPASLIP® anti-seize compound on all insert screws

# TR360

## Inserts for TR360 Copy Milling Cutters

**RCMT-43** - Free-cutting geometry for roughing and finishing, provides excellent surface finish. Outstanding chip control, especially with light depths of cut. Preferred geometry for alloy and plain carbon steels.

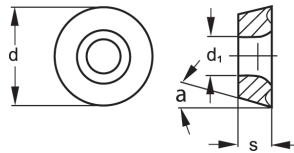
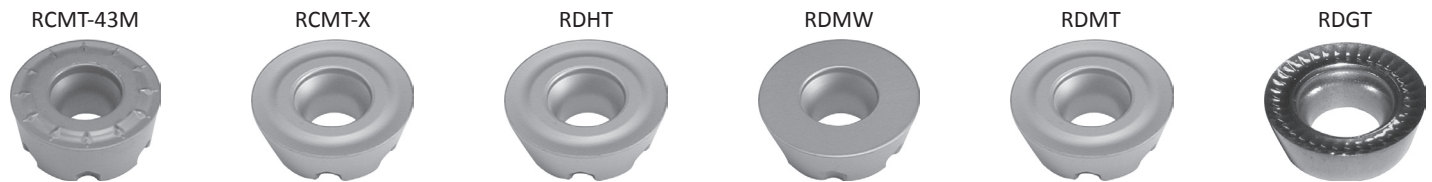
**RCMT** - Particularly used for face and drill milling, or in particularly rigid conditions.

**RDHT** - Tolerance class H with ground diameter of  $\pm 13 \mu\text{m}$  tolerance for semi-finishing and finishing.

**RDMT** - Particularly for milling with long overhangs

**RDMW** - Ideal for vibration-prone applications because the insert is less positive.

**RDGT** - Highly positive geometry with polished rake face giving reduced cutting forces. Ideal for non-ferrous materials.



### TR360 Inserts

Designation	l	s	r	d	d <sup>1</sup>	a	Coated										Uncoated			Cermet		
							TN7525	TN6525	TN7535	TN6540	TN450	TN5515	TN6520	TN2510	THAL	TTM	TTR	THM	TK10M	TTI-25		
<b>7° Inserts</b>																						
RCMT-1606MO-43M*	--	1/4	--	.630	.217	7°	●	●	●	●	●	●	●	●	●	●						●
RCMT-1606MOT-X*	--	1/4	--	.630	.217	7°	●		●													●
<b>15° Inserts</b>																						
RDGT-0802MO-AL	--	3/32	--	.315	.134	15°															●	
RDGT-1003MO-AL	--	1/8	--	.394	.173	15°															●	
RDHT-0802MOT	--	3/32	--	.315	.134	15°	●				●											
RDHT-1003MOT	--	1/8	--	.394	.173	15°	●				●					●						
RDHT-1204MOT-X*	--	3/16	--	.472	.173	15°	●						●			●						●
RDHT-1605MOT-X*	--	7/32	--	.630	.217	15°	●						●									●
RDMT-0802MOT	--	3/32	--	.315	.134	15°	●	●	●	●	●					●		●				
RDMT-1003MOT	--	1/8	--	.394	.173	15°	●	●		●	●					●		●				
RDMT-1204MOT-X*	--	3/16	--	.472	.173	15°	●	●		●	●					●		●				
RDMT-1605MOT-X*	--	7/32	--	.630	.217	15°	●	●	●	●	●					●		●				
RDMW-0802MOT	--	3/32	--	.315	.134	15°			●	●	●	●		●	●	●		●				
RDMW-1003MOT	--	1/8	--	.394	.173	15°	●		●	●	●	●		●	●	●		●				●
RDMW-1204MOT-X*	--	3/16	--	.472	.173	15°	●		●	●	●	●		●	●	●		●				
RDMW-1605MOT-X*	--	7/32	--	.630	.217	15°	●		●	●	●	●		●	●	●		●				

\* Inserts have anti-rotation lock