
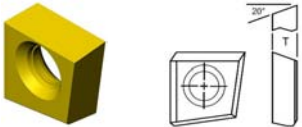
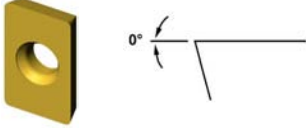
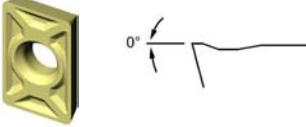
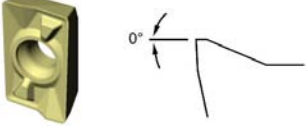
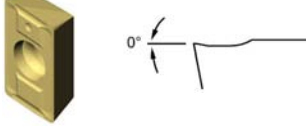
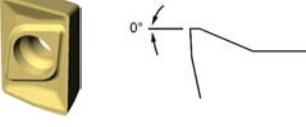




**MILLING AND DRILLING** for screw fastening systems

	Part Number	Coated										Uncoated				Dimensions (inches)					
		AN2015	AN2020	AN2035	AN3020	AN3030	AN4030	AN4040	AN4045	AN4120	AN6115	AN2	AN6	AN20	AN28	IC	Thick.	Radius / Flat	Hole		
<b>4.21-611</b> Automotive milling 	4.21103R611				•									•				-	.157	-	.189
	4.21103L611				•									•				-	.157	-	.189
<b>4.21-616</b> Automotive milling 	4.21107R616				•									•			-	.157	-	.189	
	4.21107L616				•									•			-	.157	-	.189	
<b>ADCB</b> End milling 	ADCB 150304					•											3/8	1/8	1/64	.177	
	ADCB 150308					•											3/8	1/8	1/32	.177	
	ADCB 150312					•											3/8	1/8	3/64	.177	
<b>ADCH</b> End milling 	ADCH 150304					•											3/8	1/8	1/64	.177	
	ADCH 150308					•											3/8	1/8	1/32	.177	
	ADCH 150312					•											3/8	1/8	3/64	.177	
<b>APEH</b> End milling 	APEH 532PDR					•											5/8	3/16	1/32	.173	
	APEH 534PDR					•											5/8	3/16	1/16	.173	
	APEH 538PDR					•											5/8	3/16	1/8	.173	
<b>APFT</b> End milling 	APFT 1604PDR					•											3/8	3/16	1/32	.173	
<b>APKT</b> End milling 	APKT 1003PDR					•											.262	.137	.019	.110	


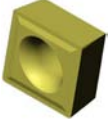

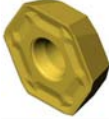

Grade details, see pages 7-9

Nomenclature explanation, see pages 2-3



# Milling and Drilling Inserts for screw fastening systems

## MILLING AND DRILLING for screw fastening systems

	Part Number	Coated										Uncoated				Dimensions (inches)					
		AN2015	AN2020	AN2035	AN3020	AN3030	AN4030	AN4040	AN4045	AN4120	AN6115	AN2	AN6	AN20	AN28	IC	Thick.	Radius / Flat	Hole		
<b>APKW</b> End milling 85° Parallelogram 	APKW 1604PDR					•											3/8	3/16	.057	.173	
<b>CCGT-GF</b> Drilling, Boring 80° Diamond 	CCGT 21.50-GF	•	•												•			1/4	3/32	.004	.112
	CCGT 21.51-GF	•	•												•			1/4	3/32	1/64	.112
	CCGT 21.52-GF	•	•												•			1/4	3/32	1/32	.112
	CCGT 32.50-GF	•	•												•			3/8	5/32	.004	.179
	CCGT 32.51-GF	•	•												•			3/8	5/32	1/64	.179
	CCGT 32.52-GF	•	•												•			3/8	5/32	1/32	.179
<b>CDE</b> Automotive milling 80° Diamond 	CDE 322R05				•	•											3/8	.150	1/32	.168	
	CDE 322L05				•	•												3/8	.150	1/32	.168
	CDE 322R02				•	•												3/8	.150	1/16	.168
	CDE 322L02				•	•												3/8	.150	1/16	.168
	CDE 322R03				•	•												3/8	.150	3/32	.168
	CDE 322L03				•	•												3/8	.150	3/32	.168
	CDE 322R04				•	•												3/8	.150	1/8	.168
	CDE 322L04				•	•												3/8	.150	1/8	.168
	CDE 323L05				•	•												3/8	3/16	1/32	.168
CDE 334R04				•	•												3/8	1/4	13/64	.168	
<b>HPCT</b> Face milling Hexagon 	HPCT 0904ADN					•											5/8	3/16	.077	.215	
<b>LNE</b> Automotive milling Rectangle 	LNE 323-01				•	•											3/8	3/16	.06 x 30°	.161	
	LNE 323-02				•	•												3/8	3/16	.03 x 45°	.161
	LNE 323-04				•	•												3/8	3/16	.060	.161
	LNE 324-05				•	•												3/8	1/4	.03 x 45°	.161
	LNE 433-20				•	•												1/2	3/16	.03 x 45°	.217
	LNE 434-02				•	•												1/2	1/4	.03 x 45°	.217
	LNE 434-05				•	•												9/16	1/4	.060	.217
	LNE 434-20				•	•												1/2	1/4	.03 x 45°	.217
	LNE 443-01				•	•												1/2	3/16	.090	.212
	LNE 443-20				•	•												1/2	3/16	.03 x 45°	.217
	LNE 444-20				•	•												1/2	1/4	.03 x 45°	.217
	LNE 446-01				•	•												9/16	3/8	.06 x 45°	.217

Grade details, see pages 7-9

Nomenclature explanation, see pages 2-3


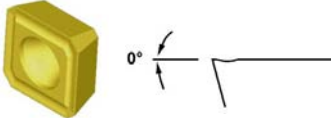
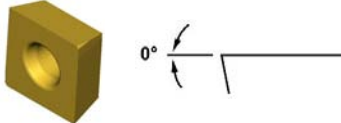
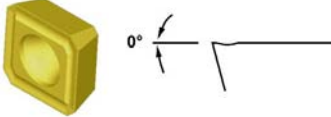
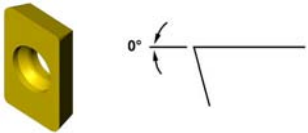
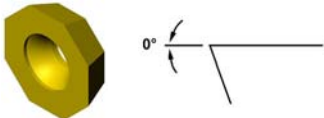
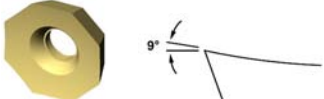
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**MILLING AND DRILLING** for screw fastening systems

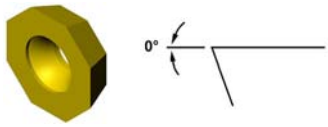
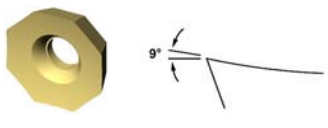
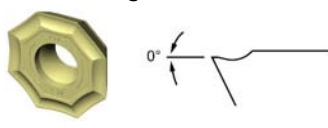
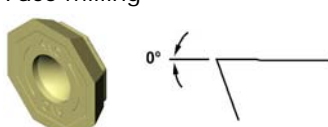
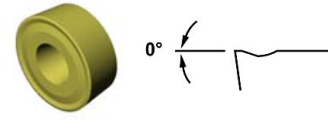
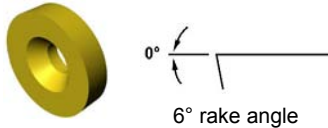
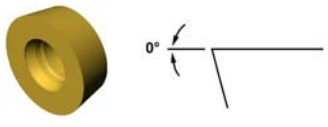
	Part Number	Coated										Uncoated				Dimensions (inches)				
		AN2015	AN2020	AN2035	AN3020	AN3030	AN4030	AN4040	AN4045	AN4120	AN6115	AN2	AN6	AN20	AN28	IC	Thick.	Radius / Flat	Hole	
<b>LSE</b> Face milling Rectangle 	LSE 444L01					•											1/2	.280	-	.183
	LSE 444R01					•												1/2	.280	-
<b>MDGH</b> Drilling 86° Diamond 	MDGH 21.5						•	•									1/4	.100	.044	.102
	MDGH 2.52						•	•										.308	.120	.040
<b>MPFW</b> Drilling 86° Diamond 	MPFW 110400N					•											7/16	3/16	-	.177
<b>MPGH</b> Drilling 86° Diamond 	MPGH 2.52						•	•									.308	.120	.039	.135
	MPGH 32						•	•									.368	.120	.040	.176
	MPGH 3.53						•	•									.430	.182	.046	.176
	MPGH 43						•	•									.494	.182	.050	.220
	MPGH 4.53						•	•									.555	.182	.049	.220
	MPGH 53						•	•									.619	.182	.048	.220
<b>NDCB</b> End milling 86° Parallelogram 	NDCB 1503PDR					•											3/8	1/8	1/16	.175
<b>OECW</b> Face milling Octagon 	OECW 531					•											5/8	3/16	1/64	.205
<b>OECX</b> Face milling Octagon 	OECX 531										•						5/8	3/16	1/64	.205

Grade details, see pages 7-9

Nomenclature explanation, see pages 2-3



**MILLING AND DRILLING** for screw fastening systems

	Part Number	Coated										Uncoated				Dimensions (inches)					
		AN2015	AN2020	AN2035	AN3020	AN3030	AN4030	AN4040	AN4045	AN4120	AN6115	AN2	AN6	AN20	AN28	IC	Thick.	Radius / Flat	Hole		
<p><b>OFCW</b> Face milling</p> 	OFCW 531					•											5/8	3/16	1/64	.205	
<p><b>OFCX</b> Face milling</p> 	OFCX 531										•						5/8	3/16	1/64	.205	
<p><b>OFET-13M</b> Face milling</p> 	OFET 070405-13M					•											.706	3/16	.020	.221	
<p><b>OFEW</b> Face milling</p> 	OFEW 070405					•											.706	3/16	.020	.221	
<p><b>RCMT</b> Face milling</p> 	RCMT 100300	•									•						.390	1/8	-	.173	
	RCMT 120400	•									•						.472	3/16	-	.173	
	RCMT 160600	•									•						.630	1/2	-	.205	
	RCMT 200600	•									•						.790	1/2	-	.258	
	RCMT 250700	•									•						.984	5/16	-	.285	
	RCMT 320900	•									•						1.260	3/8	-	.374	
<p><b>RD-P</b> Face milling</p> 	RD 6P										•						3/8	1/8	-	.125	
	RD 12P										•							3/4	3/16	-	.221
	RD 16P										•							1	1/4	-	.280
<p><b>RDCW</b> Face milling</p> 	RDCW 43					•											1/2	3/16	-	.204	

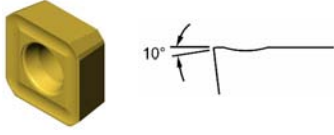
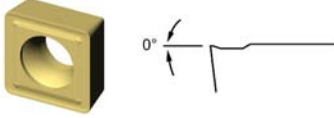
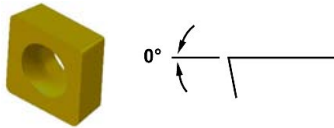
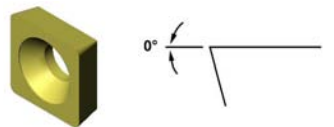
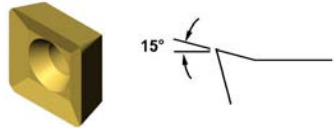
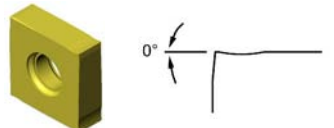
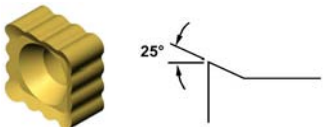
Grade details, see pages 7-9

Nomenclature explanation, see pages 2-3



# Milling and Drilling Inserts for screw fastening systems

## MILLING AND DRILLING for screw fastening systems

	Part Number	Coated										Uncoated				Dimensions (inches)				
		AN2015	AN2020	AN2035	AN3020	AN3030	AN4030	AN4040	AN4045	AN4120	AN6115	AN2	AN6	AN20	AN28	IC	Thick.	Radius / Flat	Hole	
<b>SCCT</b> Face and end milling 	SCCT 12M5ACR					•											1/2	.197	.072	.215
<b>SCGT-FM</b> Drilling, Boring 	SCGT 32.51-FM	•	•														3/8	5/32	1/64	.179
	SCGT 32.52-FM	•	•															3/8	5/32	1/32
<b>SCGW</b> Face milling 	SCGW 32.52											•					3/8	5/32	1/32	.179
<b>SDEB</b> Face and end milling 	SDEB 21.51			•		•				•							1/4	3/32	1/64	.115
	SDEB 633			•		•				•								3/4	3/16	3/64
<b>SDEH</b> Face milling 	SDEH 2.522			•		•				•							5/16	1/8	1/32	.115
<b>SNCC</b> Slot milling 	SNCC 113.6SPT					•											.433	.145	-	.174
<b>SNMC</b> Rough end milling 	SNMC 222			•						•							1/4	1/8	1/32	.115
	SNMC 333			•						•								3/8	3/16	3/64

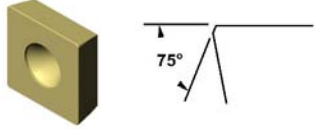
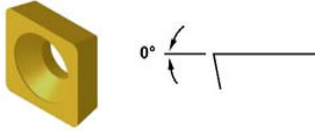
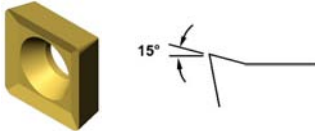
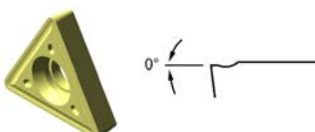
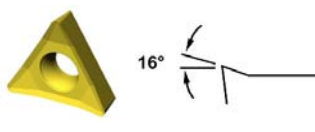
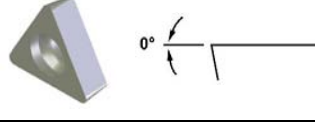
Grade details, see pages 7-9

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# Milling and Drilling Inserts for screw fastening systems

## MILLING AND DRILLING for screw fastening systems

	Part Number	Coated											Uncoated				Dimensions (inches)				
		AN2015	AN2020	AN2035	AN3020	AN3030	AN4030	AN4040	AN4045	AN4120	AN6115	AN2	AN6	AN20	AN28	IC	Thick.	Radius / Flat	Hole		
<b>SPCW-T</b> Face milling Square 	SPCW 642T					•											3/4	1/4	1/32	.258	
<b>SPEB</b> Face and end milling Square 	SPEB 221			•	•				•								1/4	1/8	1/64	.115	
	SPEB 222			•	•				•									1/4	1/8	1/32	.115
	SPEB 322			•	•			•	•	•								3/8	1/8	1/32	.158
	SPEB 422			•	•			•	•	•								1/2	1/8	1/32	.178
	SPEB 532								•		•							5/8	3/16	1/32	.217
	SPEB 633								•		•							3/4	3/16	3/64	.312
<b>SPEH</b> Face and end milling Square 	SPEH 222			•	•				•								1/4	1/8	1/32	.115	
	SPEH 2.522			•	•				•									5/16	1/8	1/32	.115
	SPEH 322			•	•				•									3/8	1/8	1/32	.156
	SPEH 332			•	•				•									3/8	3/16	1/32	.150
	SPEH 432			•	•				•									1/2	3/16	1/32	.215
	SPEH 433			•	•				•									1/2	3/16	3/64	.215
<b>TCGT</b> Drilling, Boring Triangle 	TCGT 21.50	•	•								•						1/4	3/32	.005	.123	
	TCGT 21.51	•	•								•							1/4	3/32	1/64	.123
	TCGT 21.52	•	•								•							1/4	3/32	1/32	.123
	TCGT 221	•	•								•							1/4	1/8	1/64	.123
	TCGT 222	•	•								•							1/4	1/8	1/32	.123
	TCGT 321	•	•								•							3/8	1/8	1/64	.177
	TCGT 322	•	•								•							3/8	1/8	1/32	.177
	TCGT 323	•	•								•							3/8	1/8	3/64	.177
	TCGT 32.51	•	•								•							3/8	5/32	1/64	.177
	TCGT 32.52	•	•								•							3/8	5/32	1/32	.177
	TCGT 431	•	•								•							1/2	3/16	1/64	.218
	TCGT 432	•	•								•							1/2	3/16	1/32	.218
	TCGT 433	•	•								•							1/2	3/16	3/64	.218
<b>TCGT-HP</b> Drilling, Boring Triangle 	TCGT 32.52-HP									•							3/8	5/32	1/32	.177	
<b>TCGW</b> Boring Triangle 	TCGW 731										•						7/32	3/32	1/64	.095	

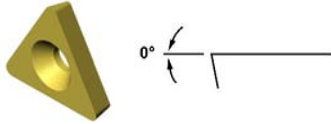

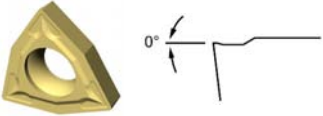
Grade details, see pages 7-9

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# Milling and Drilling Inserts for screw fastening systems

## MILLING AND DRILLING for screw fastening systems

	Part Number	Coated										Uncoated				Dimensions (inches)						
		AN2015	AN2020	AN2035	AN3020	AN3030	AN4030	AN4040	AN4045	AN4120	AN6115	AN2	AN6	AN20	AN28	IC	Thick.	Radius / Flat	Hole			
<b>TD-P</b> Face milling Triangle 	TD 6P																	3/8	1/8	1/32	.130	
	TD 8P																		1/2	3/16	1/32	.177
	TD 10P																		5/8	3/16	1/16	.250
<b>TEGX-BN</b> End milling Triangle 	TEGX 356-625-BN																	.356	.167	-	.135	
	TEGX 422-750-BN																		.422	.171	-	.173
	TEGX 427-1000-BN																		.427	.171	-	.173
<b>WCGT</b> Drilling Trigon 	WCGT 020102																	.156	.063	.008	.091	
	WCGT 020104																		.156	.063	1/64	.091
	WCGT 030202																		.219	3/32	.008	.091
	WCGT 030204																		.219	3/32	1/64	.091
	WCGT 040202																		1/4	3/32	.008	.112
	WCGT 040204																		1/4	3/32	1/64	.112
	WCGT 06T304																		3/8	5/32	1/64	.175
	WCGT 06T308																		3/8	5/32	1/32	.175



Grade details, see pages 7-9

Nomenclature explanation, see pages 2-3