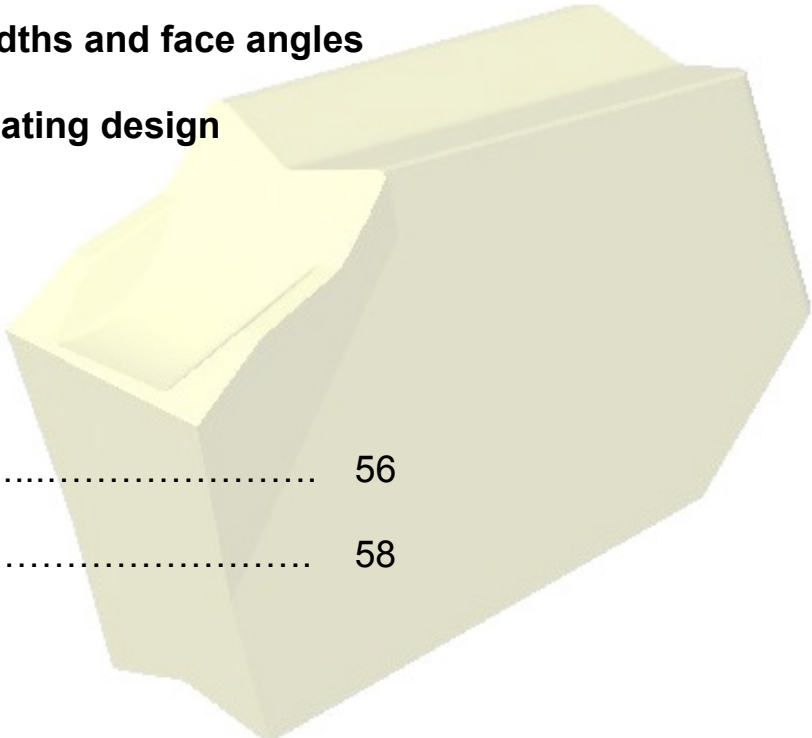


# Cut-Off / Parting Inserts

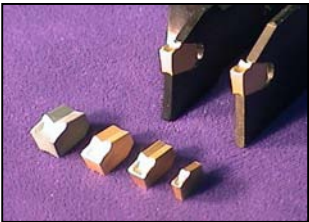
Interchangeable with Iscar Self Grip® GTN, GTR and GTL-style inserts

Large selection of cutting widths and face angles

State-of-the-art grade and coating design







Grade and application data.....	56
Insert selection.....	58



**Ask about ANC's line of holders and blocks for cut-off / parting inserts**



PVD COATED				
Grade	ISO Class	Industry Class	Description	Coating
<b>AN2120</b> Roughing to Semi-Finishing	P30-P40 M25-M35	C5	AN2120 is based on a very tough alloyed substrate with a thin PVD coating of TiN. Suitable for parting at low to medium cutting speeds in unfavorable conditions.	 TiN Substrate

CVD COATED				
Grade	ISO Class	Industry Class	Description	Coating
<b>AN3010</b> Roughing to Semi-Finishing	K10-K25 N10-N20 H20-H30	C2	AN3010 is based on a tough, alloyed substrate CVD coated with a TiCN and Al <sub>2</sub> O <sub>3</sub> coating. This combination makes AN3010 the preferred grade for high speed operations on all cast irons.	 Al <sub>2</sub> O <sub>3</sub> TiCN Substrate
<b>AN4030</b> Roughing to Semi-Finishing	P30-P40 M25-M35	C5	AN4030 has a very tough alloyed, cobalt-enriched substrate with a multi-layered TiN/TiC/TiCN/TiN coating. The preferred general purpose grade for parting and grooving at medium to high cutting speeds.	 TiN TiCN TiC TiN Substrate
<b>AN4045</b> Roughing, Interrupted Cuts	P30-P45 M25-M40	C5	AN4045 is an extremely tough grade with a four layer coating of TiN, TiC, TiCN, and TiN. This is an excellent grade for machining at low cutting speeds and very high feed rates in severe interrupted cuts. Designed for heavy roughing of steels and stainless steels.	 TiN TiCN TiC TiN Substrate

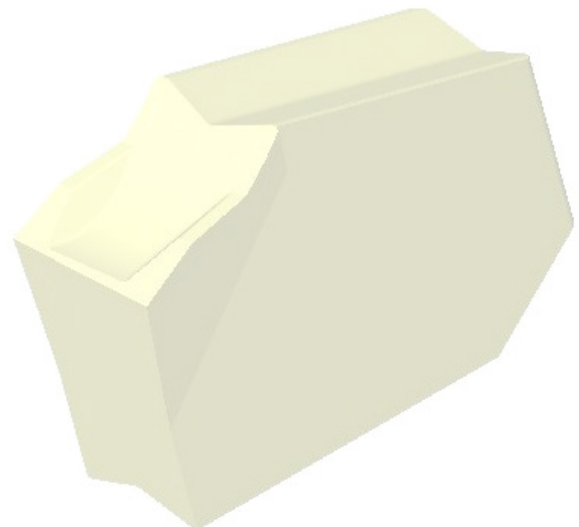
UNCOATED				
Grade	ISO Class	Industry Class	Description	
<b>AN28</b> Roughing to Finishing	K15-K30 N10-N20	C2	AN28 is an uncoated, alloyed substrate specifically designed for roughing to finishing operations on cast irons and non-ferrous materials. First choice for nodular cast iron.	
<b>AN50</b> Roughing, Interrupted Cuts	P30-P40 M25-M35	C5	AN50 is a very tough uncoated alloyed grade suitable for roughing operations on a wide variety of steels, including stainless. Performs well at low to medium cutting speeds with medium to high feed rates and handles severe interrupted cuts.	



# Cut-Off / Parting Inserts Grade and Application Data

<b>P</b> Steel alloys, cast steels, ferritic and martensitic stainless steels, and long chipping malleable irons					<b>M</b> Austenitic stainless steel, free machining steel, manganese steel, alloy cast iron, and malleable iron					<b>K</b> Cast iron and short chipping malleable iron								
C8		C7		C6	C5							C4		C3		C2	C1	
P01	P10	P20	P30	P40	M01	M10	M20	M30	M40	K01	K10	K20	K30	K40				
			AN4030					AN4030				AN3010						
			AN4045					AN4045				AN28						
			AN2120					AN2120										
			AN50					AN50										
More Wear ← → More Toughness					More Wear ← → More Toughness					More Wear ← → More Toughness								

<b>N</b> Non-ferrous metals, plastics, and wood					<b>H</b> Hard materials, such as chilled cast iron, hardened steel and hardened cast iron				
N01	N10	N20	N30	N40	H01	H10	H20	H30	H40
	AN3010						AN3010		
	AN28								
More Wear ← → More Toughness					More Wear ← → More Toughness				











# Cut-Off / Parting Inserts

## CUT-OFF / PARTING

interchangeable with Iscar Self-Grip® GTN, GTL, and GTR-style inserts

	Part Number	Coated				Uncoated		Dimensions	
		AN2120	AN3010	AN4030	AN4045	AN28	AN50	Face Angle	Cutting Width
<b>ANN</b> General Machining  Neutral 	ANN 2	•	•	•	•	•	•	-	.087" (2mm)
	ANN 2.4	•	•	•	•	•	•	-	.094" (2.4mm)
	ANN 3	•	•	•	•	•	•	-	.120" (3mm)
	ANN 4	•	•	•	•	•	•	-	.160" (4mm)
	ANN 4.8	•	•	•	•	•	•	-	.187" (4.8mm)
	ANN 5	•	•	•	•	•	•	-	.200" (5mm)
	ANN 6	•	•	•	•	•	•	-	.250" (6mm)
	ANN 9	•	•	•	•	•	•	-	.375" (9mm)
	<b>ANL</b> General Machining  Left Hand 	ANL 2-3	•	•	•	•	•	•	3°
ANL 2-8		•	•	•	•	•	•	8°	.087" (2mm)
ANL 2.4-3		•	•	•	•	•	•	3°	.094" (2.4mm)
ANL 2.4-8		•	•	•	•	•	•	8°	.094" (2.4mm)
ANL 3-3		•	•	•	•	•	•	3°	.120" (3mm)
ANL 3-8		•	•	•	•	•	•	8°	.120" (3mm)
ANL 3-15		•	•	•	•	•	•	15°	.120" (3mm)
ANL 4-3		•	•	•	•	•	•	3°	.160" (4mm)
ANL 4-8		•	•	•	•	•	•	8°	.160" (4mm)
ANL 4-15		•	•	•	•	•	•	15°	.160" (4mm)
ANL 4.8-3		•	•	•	•	•	•	3°	.187" (4.8mm)
ANL 4.8-8		•	•	•	•	•	•	8°	.187" (4.8mm)
ANL 5-3		•	•	•	•	•	•	3°	.200" (5mm)
ANL 5-8		•	•	•	•	•	•	8°	.200" (5mm)
ANL 6-3		•	•	•	•	•	•	3°	.250" (6mm)
ANL 6-8	•	•	•	•	•	•	8°	.250" (6mm)	
<b>ANR</b> General Machining  Right Hand 	ANR 2-3	•	•	•	•	•	•	3°	.087" (2mm)
	ANR 2-8	•	•	•	•	•	•	8°	.087" (2mm)
	ANR 2-15	•	•	•	•	•	•	15°	.087" (2mm)
	ANR 2.4-3	•	•	•	•	•	•	3°	.094" (2.4mm)
	ANR 2.4-8	•	•	•	•	•	•	8°	.094" (2.4mm)
	ANR 3-3	•	•	•	•	•	•	3°	.120" (3mm)
	ANR 3-8	•	•	•	•	•	•	8°	.120" (3mm)
	ANR 3-15	•	•	•	•	•	•	15°	.120" (3mm)
	ANR 4-3	•	•	•	•	•	•	3°	.160" (4mm)
	ANR 4-8	•	•	•	•	•	•	8°	.160" (4mm)
	ANR 4-15	•	•	•	•	•	•	15°	.160" (4mm)
	ANR 4.8-3	•	•	•	•	•	•	3°	.187" (4.8mm)
	ANR 4.8-8	•	•	•	•	•	•	8°	.187" (4.8mm)
	ANR 5-3	•	•	•	•	•	•	3°	.200" (5mm)
	ANR 5-8	•	•	•	•	•	•	8°	.200" (5mm)
ANR 6-3	•	•	•	•	•	•	3°	.250" (6mm)	
ANR 6-8	•	•	•	•	•	•	8°	.250" (6mm)	

Grade details, see page 56