



Anglia Pipe Tools Ltd

Blades & Discs

Exact has a wide range of specially designed saw blades and diamond discs for Exact PipeCut saws. High quality cutting blades/discs are designed for different purposes and for different PipeCut machines.

INOX BLADES

The premium blade for the hardest stainless steels. Intended for cutting stainless steel and acid proof steel.

CERMET BLADES

Blades with ceramic tips for heavy duty applications, especially for cutting stainless steel, acid proof steel and mild steel.

TCT BLADES

Blades with tungsten carbide tips for general use. Suitable for cutting steel, copper, aluminium and plastic.

TCT P BLADES

The recommended blade for cutting plastics such as PP, PE, PVC etc. Large tungsten carbide tips allow more room for plastic chips to flow seamlessly.



ALU BLADES

Intended for aluminum pipes. However, also suits well for plastics such as HDPE.

CUT+BEVEL BLADE

Special blades designed to make a cut and bevel at the same time. Only suitable for Cut+Bevel machine models.

DIAMOND DISCS

Heavy duty special diamond discs only to be used for cutting cast iron pipes.

DIAMOND CUT+BEVEL DISC

Special blades designed to make a cut and bevel at the same time. Only suitable for Cut+Bevel machine models.



BLADES & DISCS 140

	BLADE/DISCS DIMENSIONS (MM)				
	Ø	BORE	KERF	BODY	TEETH
TCT 140	140	62	1.8	1.4	46
TCT Z140	140	62	1.8	1.4	38
CERMET 140	140	62	1.8	1.4	46
CERMET 140 THIN	140	62	1.4	1.2	46
DIAMOND X140	140	62	2.7	1.5	-
ALU 140	140	62	2.5	1.8	36
INOX 140	140	62	1.65	1.3	46
INOX 140 THIN	140	62	1.4	1.2	56

PLEASE NOTE: PS (Pro Series) models can be mounted with a 140 mm saw blade, but will have limited maximum cutting depth.

BLADES & DISCS 165

	BLADE/DISCS DIMENSIONS (MM)					
	Ø	BORE	KERF	BODY	TEETH	PIPE MATERIAL
TCT 165	165	62	1.8	1.4	52	
CERMET 165	165	62	1.8	1.4	52	
DIAMOND X165	165	62	2.7	1.5	-	
ALU 165	165	62	2.5	1.8	42	
DIAMOND Cut+Bevel	165	62	3.1	2	0	

BLADES 180

	BLADE/DISCS DIMENSIONS (MM)					
	Ø	BORE	KERF	BODY	TEETH	PIPE MATERIAL
ALU 180	180	62	2.7	1.8	46	
CERMET 180	180	62	2.7	1.8	46	
DIAMOND X180	180	62	2.7	1.5	-	

SPECIAL BLADES & TIPS

	BLADE/DISCS DIMENSIONS (MM)					
	Ø	BORE	KERF	BODY	TEETH	PIPE MATERIAL
CERMET V155	155	65	1.6	1.4	58	
TCT P150	150	62	1.8	1.4	40	
CUT+BEVEL 148	148	62	2/30		40/8	
CUT+BEVEL 190	190	62	2/30		45/12	
CUT+BEVEL DIAM. 140	140	62			-	
CUT+BEVEL DIAM. 165	165	62			-	
PIPEBEVEL TIPS STAINLESS						
TCT P190	190					
TCT P250	250					

————— For more information about the recommended blades  Swap the page! —————

TECHNICAL COMPATIBILITY FOR BLADES & DISCS

When it comes to technical compatibility for blades and discs, you might be tempted to use any blade out there - but that isn't necessarily the best course of action. Different blades yield different results when used with specific machines. To guarantee maximum performance from your Exact machine, we recommend to use the blades as per our official guidelines. See more from the chart on the next page ->

Product code	Blade name	170/170E/220E	220 INOX	220 Pro	280 Pro	360 Pro	460 Pro	360 AIR	P400	P1000	V800	Infinity
7010486	TCT 140	x	x	x	x	x	x	x				x
70104860	TCT Z140	x	x	x	x	x	x	x				x
7010487	TCT 165			x	x	x	x	x				x
7010489	TCT P150			x	x	x	x	x	x	x		x
7011103	TCT P190				x	x	x			x		x
7010460	TCT P250									x		
7010509	INOX 140	x	x	x	x	x	x	x				x
7010512	INOX 140 THIN	x	x	x	x	x	x	x				x
	CERMET 130					x		x				x
7010496	CERMET 140	x	x	x	x	x	x	x				x
7011102	CERMET 140 THIN	x	x	x	x	x	x	x				x
7010497	CERMET 165			x	x	x	x	x				x
70104506	CERMET 180			x	x	x	x	x				x
7010498	CERMET V155										x	
7010492	DIAMOND X140	x	x	x	x	x	x	x	x	x		x
7010493	DIAMOND X165			x	x	x	x	x		x		x
70104507	DIAMOND X180			x	x	x	x	x		x		x
7011101	ALU 140	x	x	x	x	x	x	x	x	x		x
7011100	ALU 165			x	x	x	x	x		x		x
70104505	ALU 180			x	x	x	x	x		x		x
7010499	CUT BEVEL BLADE 148 (PLASTIC)								x	x		
7018133	CUT BEVEL BLADE 190 (PLASTIC)									x		
7048118	DIAMOND CUT BEVEL DISC 140									x		
7048129	DIAMOND CUT BEVEL DISC 165			CB ver.		CB ver.		CB ver.	x	x		CB ver.

What blade size should be selected, if several can be chosen?

General rule of thumb is that when the goal is the most optimal pipe cutting results with as long blade life as possible, you should choose the smallest possible blade size suitable to your needs. Although being a good idea to pick a larger diameter blade size (than what you really need) to cover possible future needs, this might hinder the said two other things. Ultimately this is a decision to be made between optimization: pipe cuttings results and short-term costs. In the long-term operation it's more cost-efficient to have several blade sizes and use the smallest diameter needed by the ongoing pipe cutting project.

Although blades are designed to be as long lasting as possible, eventually the blades will wear out in use. For this reason the most optimal is to have several blade sizes, and it will be long-term cost-efficient in addition to providing better pipe cutting results.

ACTUAL RECOMMENDATION CHART FOR BLADES & DISCS

- 1** = Most suitable (recommended)
2 = Suitable
3 = Suitable, but not recommended

Empty space = Not suitable OR only for special application(s)

Blade type	Steel	Stainless	Cast Iron	Glass fiber	Aluminum	Copper	Multi-layer plastics	Plastics PP	PE	PVC	HDPE
TCT	2	3			2	2	3	3	3	3	3
TCT Z	2	3			2	2	3	3	3	3	3
TCT P							1	1	1	1	1
INOX	1	1				2	3	3	3	3	3
CERMET	1	2				1	3	3	3	3	3
CERMET V	1	2			2						
DIAMOND X			1	1			3	3	3	3	3
ALU					1		1	1	1	1	1
CUT BEVEL BLADE (PLASTICS)							1	1	1	1	1
DIAMOND CUT BEVEL DISC			1	1			3	3	3	3	3

Why are some of the fields empty?

This is due to some combinations for blades and intended pipe materials are not straightforward. Some of the reasons are:

- Simply not being suitable for the pipe material
- Not having enough cutting test data
- Conflicting cutting results
- Pipe wall thickness



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