

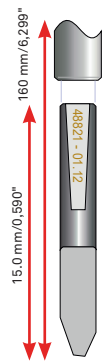
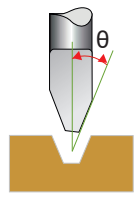

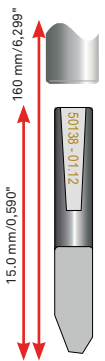
ENGRAVING

Compatible with: TXL, M40, IS200, IS400, IS900, IS6000/7000/8000

STANDARD CONICAL

COMPATIBLE MATERIALS	$\theta = 22.5^\circ$	$\theta = 30^\circ$
Gravoply™, Metallex™ & Gravoglas™, Acrylic	☉	
Leathers and derived products		
Phenolic	■	
Gold/Silver		☉
Aluminium/Brass	☉	
Steel/Stainless steel		

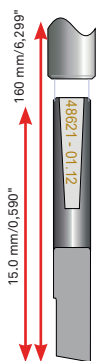
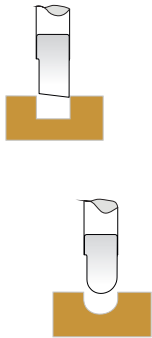
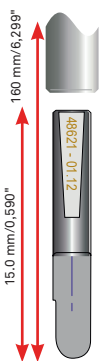
☉ Absolutely suitable    ■ Suitable

$\theta = 22.5^\circ$	CARBIDE	A (MM-INCH)	CONICAL	A (INCH - MM)	CARBIDE	$\theta = 30^\circ$
	48608	— 0,25			50135	
	48609	— 0,32			50136	
	48610	— 0,50			50137	
	48611	— 0,75			50138	
	48612	— 1,00				
	48613	— 1,25				
	48614	— 1,50				
	48615	— 1,75				
	48616	— 2,00				
	48617	— 2,50				
	48618	— 3,00				

CYLINDRICAL

COMPATIBLE MATERIALS	FLAT END	ROUND END
Gravoply™, Metallex™ & Gravoglas™, Acrylic	☉	☉
Leathers and derived products		
Phenolic	■	■
Gold/Silver		
Aluminium/Brass	■	■
Steel/Stainless steel		

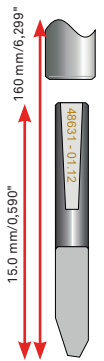
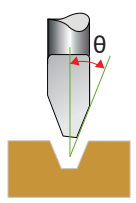

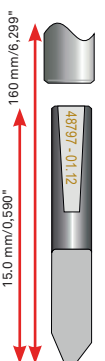
☉ Absolutely suitable    ■ Suitable

FLAT END	CARBIDE	A (MM-INCH)	CYLINDRICAL	A (INCH - MM)	CARBIDE	ROUND END
	48619	— 1,00		48624		
	48620	— 1,50		48625		
	48621	— 2,00		48626		
	48622	— 2,50		48627		
	48623	— 3,00		48628		

CONICAL

COMPATIBLE MATERIALS	$\theta = 35^\circ$	DOUBLE CONE
Gravoply™, Metallex™ & Gravoglas™, Acrylic		
Leathers and derived products		
Phenolic		
Gold/Silver		
Aluminium/Brass		■
Steel/Stainless steel	☉	☉

☉ Absolutely suitable    ■ Suitable

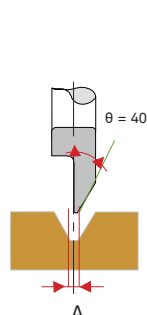
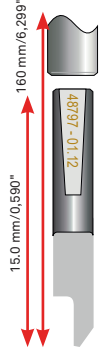
$\theta = 35^\circ$	CARBIDE	A (MM-INCH)	CONICAL	A (INCH - MM)	CARBIDE	DBLE CONE
	48629	— 0,25			48645	
	48630	— 0,32			48646	
	48631	— 0,50			48647	
	48632	— 0,75			48648	
	48633	— 1,00			48649	
	48634	— 1,25			48650	
	48635	— 1,50				

Advice for use

Anodised aluminium: depth 1 division at adjustment tip  
Steel and stainless steel:  
 Rotation speed = 11,000 rpm (adjustment only possible on IS)

A higher speed would cause premature wearing in the truncation.  
 $V_{xy} = 5\text{mm/s} / V_z = 3\text{mm/s}$

The use of a cutting lubrication oil is essential: **TARFIL blue ref: 19526**

1/4 ROUND	A (INCH - MM)	CARBIDE	1/4 ROUND
	.010" 0,25	48636	
	.013" 0,32	48637	
	.020" 0,50	48638	
	.030" 0,75	48639	
	.040" 1,00	48640	
	.050" 1,25	48641	
	.060" 1,50	48642	
	.069" 1,75	48643	
	.080" 2,00	48644	

SPECIAL CONICAL

COMPATIBLE MATERIALS	1/4 ROUND
Gold/Silver	
Aluminium/Brass	☉
Steel/Stainless steel	■

☉ Absolutely suitable    ■ Suitable



Compatible with: TXL, M40, IS200, IS400, IS900, IS6000/7000/8000

## BEVELLING

$\theta = 15^\circ$  CARBIDE A (MM - INCH) SPECIAL A (INCH - MM) CARBIDE  $\theta = 45^\circ$

160 mm / 6.299"   
 15.0 mm / 0.590"   
 48713 — 0,32 .013"   
 $\theta = 15^\circ$    
 $\theta = 45^\circ$    
 .013" 0,32 — 48925   
 160 mm / 6.299"   
 15.0 mm / 0.590"

### SPECIAL

COMPATIBLE MATERIALS	$\theta = 15^\circ$	$\theta = 45^\circ$
Gravoply™, Metallex™ & Gravoglas™, Acrylic	☐	☐
Leathers and derived products	☐	☐
Phenolic	☐	☑
Gold/Silver	☐	☐
Aluminium/Brass	☑	☑
Steel/Stainless steel	☑	☑

☑ Absolutely suitable    ☐ Suitable

## SCRIBING

$\theta = 120.0^\circ$  CARBIDE A (MM - INCH) DIAMOND A (INCH - MM) CARBIDE  $\theta = 126.5^\circ$

160 mm / 6.299"   
 15.0 mm / 0.590"   
 23060 — 0,10 .004"   
 $120.0^\circ$    
 $126.5^\circ$    
 .004" 0,10 — 23061   
 160 mm / 6.299"   
 15.0 mm / 0.590"

Rotating Non Rotating

Designed for feather Touch Use

### DIAMOND

COMPATIBLE MATERIALS	$\theta = 120.0^\circ$	$\theta = 126.5^\circ$
Gravoply™, Metallex™ & Gravoglas™, Acrylic	☐	☐
Gold/Silver	☐	☑
Aluminium/Brass	☑	☐
Steel/Stainless steel	☐	☐

☑ Absolutely suitable    ☐ Suitable

## DRILLING AND CUTTING

DRILLING CARBIDE A (MM-INCH) CYLINDRICAL A (INCH - MM) CARBIDE MULTI-LIP

160 mm / 6.299"   
 15.0 mm / 0.590"   
 48661 • 0,50 .020"   
 48682 • 0,80 .030"   
 48683 • 1,00 .040"   
 48684 • 1,20 .047"   
 48685 • 1,40 .055"   
 48686 • 1,50 .060"   
 48687 • 2,00 .080"   
 48688 • 2,50 .100"   
 .040" 1,00 — 48651   
 .080" 2,00 — 48652   
 160 mm / 6.299"   
 15.0 mm / 0.590"

### CYLINDRICAL

COMPATIBLE MATERIALS	DRILLING	MULTI-LIPS
Gravoply™, Metallex™ & Gravoglas™, Acrylic	☑	☐
Leathers and derived products	☐	☐
Phenolic / Epoxy	☐	☑
Gold/Silver	☐	☐
Aluminium/Brass	☐	☐
Steel/Stainless steel	☐	☐

☑ Absolutely suitable    ☐ Suitable

## CUTTING

DOUBLE LIP CARBIDE A (MM-INCH) CYLINDRICAL A (INCH - MM) CARBIDE SINGLE LIP

160 mm / 6.299"   
 15.0 mm / 0.590"   
 48657 — 0,80 .030"   
 48658 — 1,00 .040"   
 48659 — 2,00 .080"   
 48660 — 3,00 .100"   
 .030" 0,8 — 48653   
 .040" 1,0 — 48654   
 .080" 2,0 — 48655   
 .100" 3,0 — 48656   
 160 mm / 6.299"   
 15.0 mm / 0.590"

### CYLINDRICAL

COMPATIBLE MATERIALS	DOUBLE LIPS	SINGLE LIP
Gravoply™, Metallex™ & Gravoglas™, Acrylic	☐	☐
Gold/Silver	☐	☐
Aluminium/Brass	☑	☑

☑ Absolutely suitable    ☐ Suitable

