

MACHINING

COMPATIBLE MATERIALS SINGLE LIP

Gravoply™, Metallex™ & Gravoglas™, Acrylic



Leathers and derived products

Phenolic

Gold/Silver

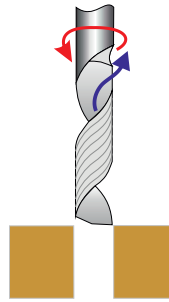
Aluminium/Brass



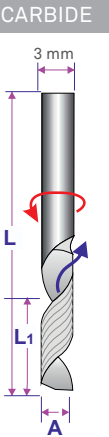
Steel/Stainless steel

Absolutely suitable

Suitable



L	L ₁	A		
39,0 mm 1.535"	4,0 mm .160"	1,0 mm .040"		48736
39,0 mm 1.535"	8,0 mm .315"	2,0 mm .080"		48737
39,0 mm 1.535"	10,0 mm .40"	3,0 mm .120"		48738



COMPATIBLE MATERIALS SINGLE LIP

Gravoply™, Metallex™ & Gravoglas™, Acrylic



Leathers and derived products

Phenolic

Gold/Silver

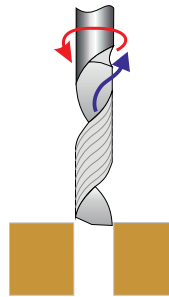
Aluminium/Brass



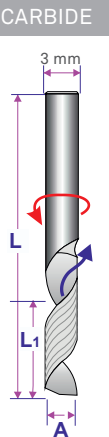
Steel/Stainless steel

Absolutely suitable

Suitable



L	L ₁	A		
38,0 mm 1.496"	3,0 mm .120"	1,0 mm .040"		48739
38,0 mm 1.496"	5,0 mm .197"	2,0 mm .080"		48740
50,0 mm 1.968"	8,0 mm .315"	3,0 mm .120"		48741



COMPATIBLE MATERIALS DOUBLE LIPS

Gravoply™, Metallex™ & Gravoglas™, Acrylic



Leathers and derived products

Phenolic

Gold/Silver

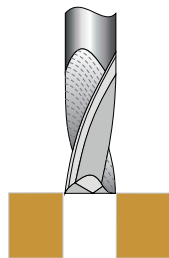
Aluminium/Brass



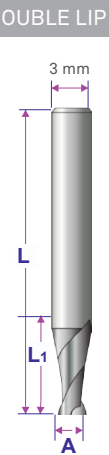
Steel/Stainless steel

Absolutely suitable

Suitable



L	L ₁	A		
38,0 mm 1.496"	2,0 mm .080"	1,0 mm .040"		48752
38,0 mm 1.496"	3,0 mm .120"	1,5 mm .060"		48753
38,0 mm 1.496"	4,0 mm .160"	2,0 mm .080"		48755
38,0 mm 1.496"	5,0 mm .197"	2,5 mm .100"		48756
38,0 mm 1.496"	6,0 mm .236"	3,0 mm .120"		48769



COMPATIBLE MATERIALS TRIPLE LIPS

Gravoply™, Metallex™ & Gravoglas™, Acrylic

Gold/Silver

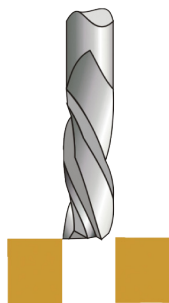
Aluminium/Brass



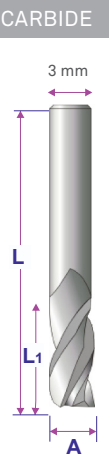
Steel/Stainless steel

Absolutely suitable

Suitable



L	L ₁	A		
38,0 mm 1.496"	4,0 mm .160"	2,0 mm .080"		70611



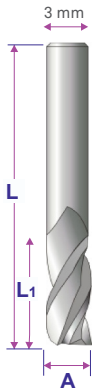
MACHINING

CARBIDE

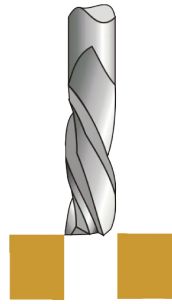
A

L₁

L



23080 — 2,00 mm .080" — 6,00 mm .236" — 32,0 mm 1.260"



COMPATIBLE MATERIALS

TRIPLE LIPS

Gravoply™, Metallex™ & Gravoglas™, Acrylic

Leathers and derived products

Phenolic

Gold/Silver

Aluminium/Brass

Steel/Stainless steel

☐ Absolutely suitable

■ Suitable

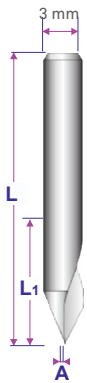
ENGRAVING

CARBIDE

A

L₁

L



23077 — 0,15 mm .005" — - — 32 mm 1.260"



COMPATIBLE MATERIALS

CONICAL HELICAL

Gravoply™, Metallex™ & Gravoglas™, Acrylic

Leathers and derived products

Phenolic

Gold/Silver

Aluminium/Brass

Steel/Stainless steel

☐ Absolutely suitable

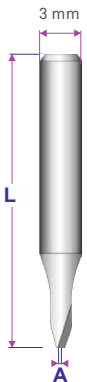
■ Suitable

CARBIDE

A

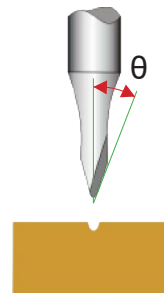
θ

L



70613 — 0,05 mm .002" — 50° — 38 mm 1.496"

70612 — 0,15 mm .005" — 50° — 38 mm 1.496"



COMPATIBLE MATERIALS

3/4 CONICAL

Gravoply™, Metallex™ & Gravoglas™, Acrylic

Leathers and derived products

Phenolic

Gold/Silver

Aluminium/Brass

Steel/Stainless steel

☐ Absolutely suitable

■ Suitable

Advice for use

Cutting and engraving plastics

Parameters	V _{xy} (mm/s)	V _z (mm/s)	Conditions
Engraving	20 à 35	10 à 20	Chip collector (A)
Cutting	5 à 15	2 à 8	Chip collector (A)

Cutting and engraving brass

Parameters	V _{xy} (mm/s)	V _z (mm/s)	Conditions
Engraving	10 à 15	5 à 10	Chip collector (A)
Cutting	4 à 10	2 à 8	Chip collector (A)

Cutting and engraving aluminium

Parameters	V _{xy} (mm/s)	V _z (mm/s)	Conditions
Engraving	7 à 12	5 à 8	Lubrication : Surfex Ref:30368 (B)
Cutting	2 à 5	1 à 5	Lubrication : Surfex Ref:30368 (B)

Cutting and engraving steel and stainless steel

Parameters	V _{xy} (mm/s)	V _z (mm/s)	Conditions
Engraving	5 à 10	1 à 5	Lubrication : Tarfil Ref:19526 (C)
Cutting	1 à 3	1 à 2	Lubrication : Tarfil Ref:19526 (C)



A



B



C

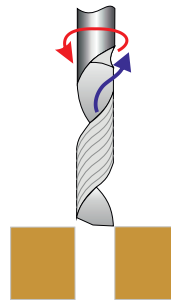


MACHINING

COMPATIBLE MATERIALS SINGLE LIP

- Gravoply™, Metallex™ & Gravoglas™, Acrylic ●
- Leathers and derived products
- Phenolic
- Gold/Silver
- Aluminium/Brass ■
- Steel/Stainless steel

● Absolutely suitable ■ Suitable

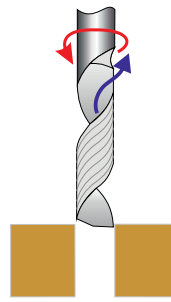


L	L ₁	A			SINGLE LIP
38,0 mm 1.496"	8,0 mm .315"	2,0 mm .080"		48742	
38,0 mm 1.496"	10,0 mm .40"	3,0 mm .120"		48743	
50,0 mm 1.968"	20,0 mm .80"	4,0 mm .160"		48744	

COMPATIBLE MATERIALS SINGLE LIP

- Gravoply™, Metallex™ & Gravoglas™, Acrylic ■
- Leathers and derived products
- Phenolic
- Gold/Silver
- Aluminium/Brass ●
- Steel/Stainless steel

● Absolutely suitable ■ Suitable

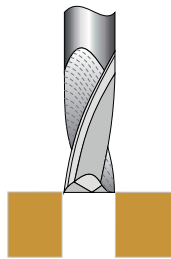


L	L ₁	A			SINGLE LIP
38,0 mm 1.496"	3,0 mm .120"	2,0 mm .080"		48745	
38,0 mm 1.496"	6,0 mm .236"	3,0 mm .120"		48746	
50,0 mm 1.968"	9,0 mm .354"	4,0 mm .160"		48747	
38,0 mm 1.496"	12,0 mm .472"	4,0 mm .160"		23086	

COMPATIBLE MATERIALS DOUBLE LIP

- Gravoply™, Metallex™ & Gravoglas™, Acrylic ■
- Leathers and derived products
- Phenolic
- Gold/Silver
- Aluminium/Brass ●
- Steel/Stainless steel

● Absolutely suitable ■ Suitable

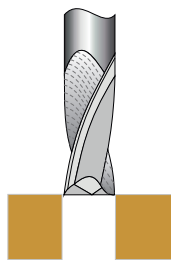


L	L ₁	A			DOUBLE LIP
38,0 mm 1.496"	4,0 mm .160"	2,0 mm .080"		48770	
38,0 mm 1.496"	14,0 mm .551"	3,0 mm .120"		48771	
50,0 mm 1.968"	16,0 mm .630"	4,0 mm .160"		23073	

COMPATIBLE MATERIALS DOUBLE LIP

- Gravoply™, Metallex™ & Gravoglas™, Acrylic ●
- Leathers and derived products
- Phenolic
- Gold/Silver

● Absolutely suitable ■ Suitable



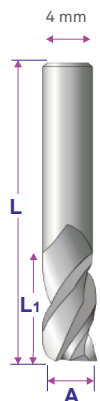
L	L ₁	A			DOUBLE LIP
50,0 mm 1.968"	12,0 mm .472"	4,0 mm .160"		23072	



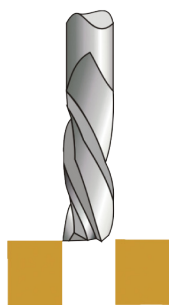
MACHINING

CARBIDE

A L₁ L



23079	2,00 mm .080"	4,00 mm .160"	25,0 mm .984"
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COMPATIBLE MATERIALS

TRIPLE LIP

Gravoply™, Metallex™ & Gravoglas™, Acrylic

Gold/Silver

Aluminium/Brass

Steel/Stainless steel

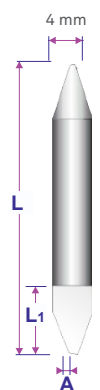
☐ Absolutely suitable

■ Suitable

ENGRAVING

CARBIDE

A L₁ L



48757	0,25 mm .010"		
48758	0,32 mm .013"		
48759	0,50 mm .020"	6,0 mm .236"	50,0 mm 1,968"
48760	0,75 mm .030"		
48761	1,25 mm .050"		



COMPATIBLE MATERIALS

CONICAL WITH DOUBLE RECESS

Gravoply™, Metallex™ & Gravoglas™, Acrylic

Leathers and derived products

Phenolic

Gold/Silver

Aluminium/Brass

Steel/Stainless steel

☐ Absolutely suitable

■ Suitable

Advice for use

Cutting and engraving plastics

Parameters	V xy (mm/s)	V z (mm/s)	Conditions
Engraving	20 à 35	10 à 20	Chip collector (A)
Cutting	5 à 15	2 à 8	Chip collector (A)

Cutting and engraving brass

Parameters	V xy (mm/s)	V z (mm/s)	Conditions
Engraving	10 à 15	5 à 10	Chip collector (A)
Cutting	4 à 10	2 à 8	Chip collector (A)

Cutting and engraving aluminium

Parameters	V xy (mm/s)	V z (mm/s)	Conditions
Engraving	7 à 12	5 à 8	Lubrication : Surfex Ref:30368 (B)
Cutting	2 à 5	1 à 5	Lubrication : Surfex Ref:30368 (B)

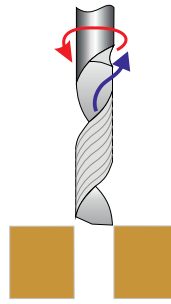
Cutting and engraving steel and stainless steel

Parameters	V xy (mm/s)	V z (mm/s)	Conditions
Engraving	5 à 10	1 à 5	Lubrication : Tarfil Ref:19526 (C)
Cutting	1 à 3	1 à 2	Lubrication : Tarfil Ref:19526 (C)



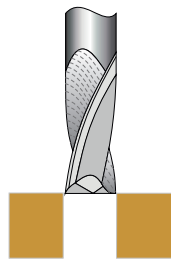
MACHINING

COMPATIBLE MATERIALS	SINGLE LIP
Gravoply™, Metallex™ & Gravoglas™, Acrylic	☉
Leathers and derived products	
Phenolic	
Gold/Silver	
Aluminium/Brass	■
Steel/Stainless steel	
☉ Absolutely suitable	■ Suitable



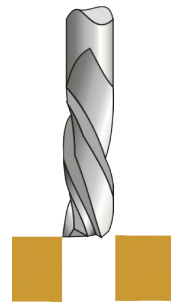
L	L ₁	A			SINGLE LIP
50,0 mm 1.968"	7,0 mm .275"	2,00 mm .080"	■	48748	
50,0 mm 1.968"	10,0 mm .40"	3,00 mm .120"	■	48749	
50,0 mm 1.968"	12,0 mm .472"	4,00 mm .160"	■	48750	
50,0 mm 1.968"	15,0 mm .590"	6,00 mm .236"	■	48751	

COMPATIBLE MATERIALS	DOUBLE LIPS
Gravoply™, Metallex™ & Gravoglas™, Acrylic	■
Leathers and derived products	
Phenolic	
Gold/Silver	
Aluminium/Brass	☉
Steel/Stainless steel	
☉ Absolutely suitable	■ Suitable



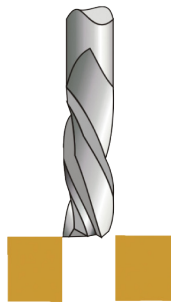
L	L ₁	A			DOUBLE LIP
50,0 mm 1.968"	6,0 mm .236"	2,00 mm .080"	■	48772	
50,0 mm 1.968"	6,0 mm .236"	3,00 mm .120"	■	70610	
50,0 mm 1.968"	8,0 mm .315"	4,00 mm .160"	■	70614	
50,0 mm 1.968"	16,0 mm .630"	6,00 mm .236"	■	70615	

COMPATIBLE MATERIALS	TRIPLE LIPS
Gravoply™, Metallex™ & Gravoglas™, Acrylic	
Leathers and derived products	
Phenolic	
Gold/Silver	
Aluminium/Brass	☉
Steel/Stainless steel	
☉ Absolutely suitable	■ Suitable



L	L ₁	A			TRIPLE LIP
50,0 mm 1.968"	4,0 mm .160"	2,00 mm .080"	■	71765	
50,0 mm 1.968"	6,0 mm .236"	3,00 mm .120"	■	71766	
50,0 mm 1.968"	8,0 mm .315"	4,00 mm .160"	■	71767	

COMPATIBLE MATERIALS	4 LIPS
Gravoply™, Metallex™ & Gravoglas™, Acrylic	
Gold/Silver	
Aluminium/Brass	
Steel/Stainless steel	☉
☉ Absolutely suitable	■ Suitable



L	L ₁	A			4 LIPS
50,0 mm 1.968"	4,0 mm .160"	2,00 mm .080"	■	71768	
50,0 mm 1.968"	8,0 mm .315"	3,00 mm .120"	■	71769	
50,0 mm 1.968"	11,0 mm .433"	4,00 mm .160"	■	71770	

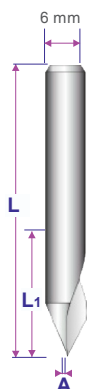
Tools covered with CUTINOX, facilitating the machining of hard metals



ENGRAVING

CARBIDE

A L L



23091 — 0,15 mm
.005" — 57 mm
2.244"



CONICAL HELICAL

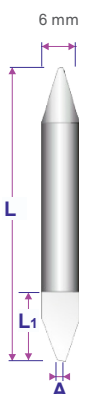
COMPATIBLE MATERIALS

- Gravoply™, Metallex™ & Gravoglas™, Acrylic
- Leathers and derived products
- Phenolic
- Gold/Silver
- Aluminium/Brass
- Steel/Stainless steel

-
-
-
-

CARBIDE

A L L



48762 — 0,32 mm
.013"

48763 — 0,50 mm
.020" — 8,0 mm
.315" — 57,0 mm
2.244"

48765 — 1,25 mm
.050"



CONICAL WITH
DOUBLE RECESS

COMPATIBLE MATERIALS

- Gravoply™, Metallex™ & Gravoglas™, Acrylic
- Leathers and derived products
- Phenolic
- Gold/Silver
- Aluminium/Brass
- Steel/Stainless steel

-
-
-
-

Advice for use

Cutting and engraving plastics

Parameters	V xy (mm/s)	V Z (mm/s)	Conditions
Engraving	20 à 35	10 à 20	Chip collector (A)
Cutting	5 à 15	2 à 8	Chip collector (A)

Cutting and engraving brass

Parameters	V xy (mm/s)	V Z (mm/s)	Conditions
Engraving	10 à 15	5 à 10	Chip collector (A)
Cutting	4 à 10	2 à 8	Chip collector (A)

Cutting and engraving aluminium

Parameters	V xy (mm/s)	V Z (mm/s)	Conditions
Engraving	7 à 12	5 à 8	Lubrication : Surfex Ref:30368 (B)
Cutting	2 à 5	1 à 5	Lubrication : Surfex Ref:30368 (B)

Cutting and engraving steel and stainless steel

Parameters	V xy (mm/s)	V Z (mm/s)	Conditions
Engraving	5 à 10	1 à 5	Lubrication : Tarfil Ref:19526 (C)
Cutting	1 à 3	1 à 2	Lubrication : Tarfil Ref:19526 (C)

