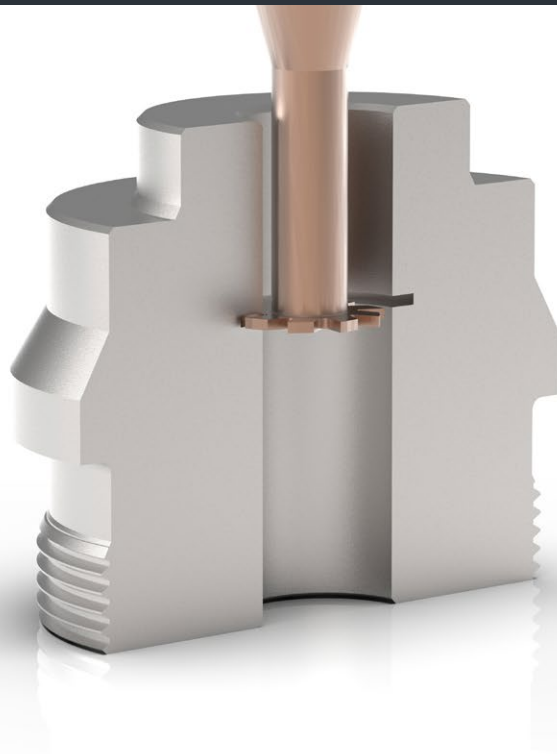
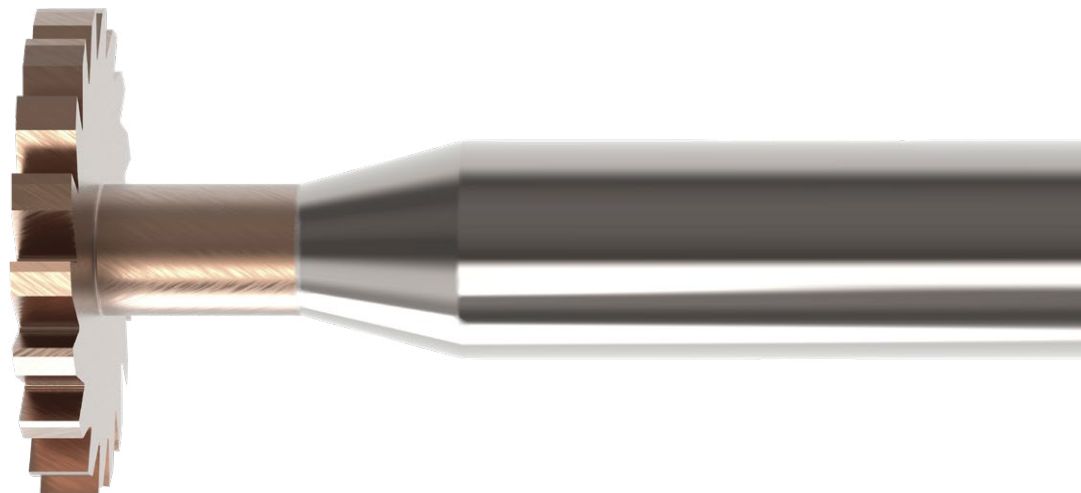
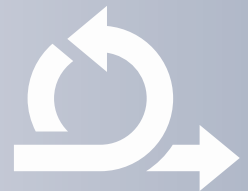


T-SLOT

HBMicrotec[®]
ACTIONTOOLS & ENGINEERING



ACTIONMILL[®]
by HB microtec
T-SLOT



Description

Thanks to its performance and versatility, the HB microtec® "T-slot cutter" ACTIONMILL® T-SLOT is the ideal all-purpose tool for producing T-slots. The ACTIONMILL® T-SLOT is characterized by excellent tool life and exceptionally high cutting values. The positive side effect for you: shorter cycle times and no more tedious tool changes.

A sophisticated, specially designed cutting edge geometry combined with a mirror-smooth surface to which a high-performance coating is applied guarantees the user maximum performance for every component.

The shank, made of an in-house developed ultra-fine-grain solid carbide with innovative cooling channels, is our basis for the T-SLOT and your benefit for the best possible machining.

Customization is what makes the ACTIONMILL® T-SLOT really strong. From Ø0.8 to Ø40, there is something for every application.

Our customers value the range of applications in the most diverse and demanding materials – whether titanium grade 5 (Ti6Al4V) or the classic stainless steel X20Cr13 (1.4021).

The ACTIONMILL® T-SLOT can do it all.

As a semi-standard tool, the ACTIONMILL® T-SLOT is quickly in use at your site and brings action.

When it comes to performance, the details often make the difference. Your individual ACTIONMILL® T-SLOT is tailored specifically to your application, your material and your component.

We round the cutting edges and literally give the tool the finishing touch – and thus a class of its own.

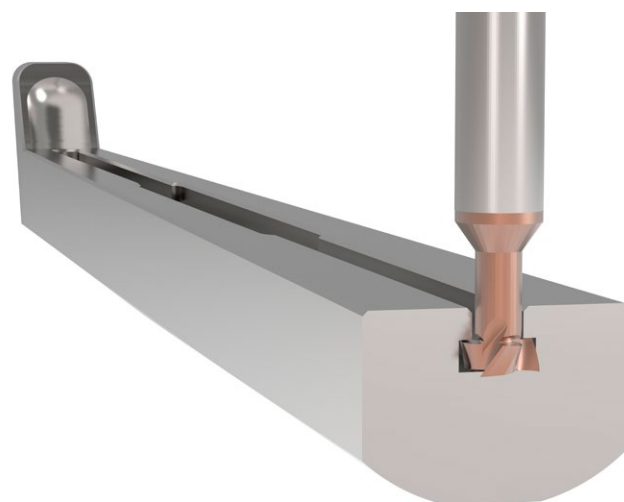
The ACTIONMILL® T-SLOT is available in two versions:

ACTIONMILL® T-SLOT cooled – with integrated cooling channels, which ensure better flushing out of the chips.

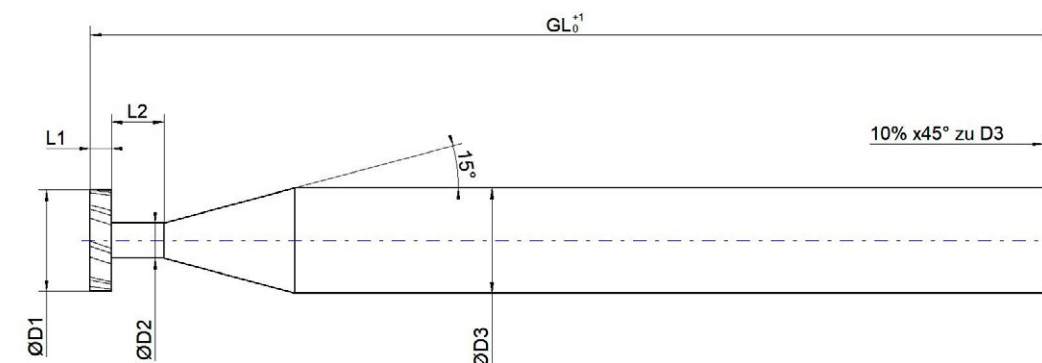
ACTIONMILL® T-SLOT – without cooling channels, as the classic version.

HB microtec® stands for action tools and engineering. Professional advice and all-round support are important parts of our philosophy.

Together with you, we develop your custom-ground T-slot cutter.



Classic



Corner alignment "sharp" = 0.004 mm - 0.01 mm rounded
(cutting edge protection)

☐ Inquiry

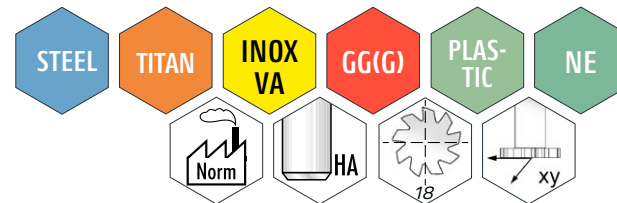
☐ Order

Order number: _____ Other: _____

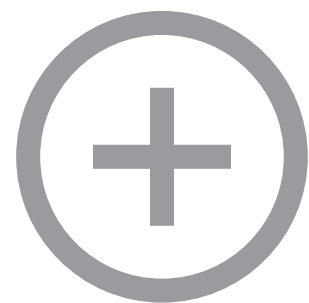
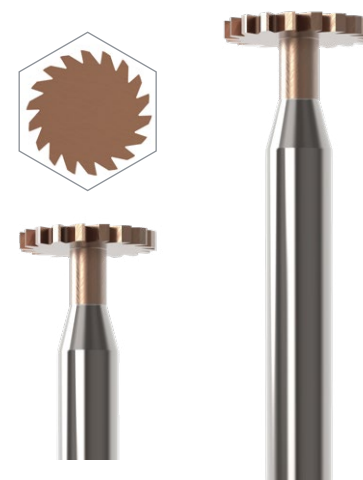
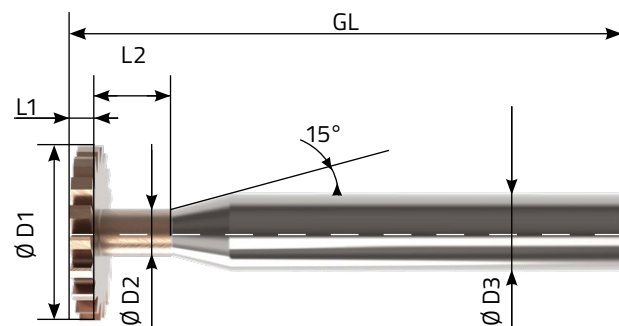
Dimensions: D ₁ : _____ GL: _____ D ₂ : _____ L ₁ : _____ D ₃ : _____ L ₂ : _____ Z: _____ β: _____	Flute form (ZZ): ☐ Straight ☐ Helical	Coating: ☐ Coated*: _____ ☐ Uncoated	Cooling channels: ☐ Yes ☐ No Cutting direction: ☐ Left ☐ Right
Material to be machined: _____	Shank shape: _____	Quantity: _____	
Date, signature & company stamp: _____			Contact person: _____

* Without further information, the most suitable coating will be used.

T-SLOT 20



ACTIONMILL
T-SLOT
D1 L1 Blank or coated
AM.TS.XXXX.WWWW.BB.ZZ.20 ← D1 max
Straight or helical flutes



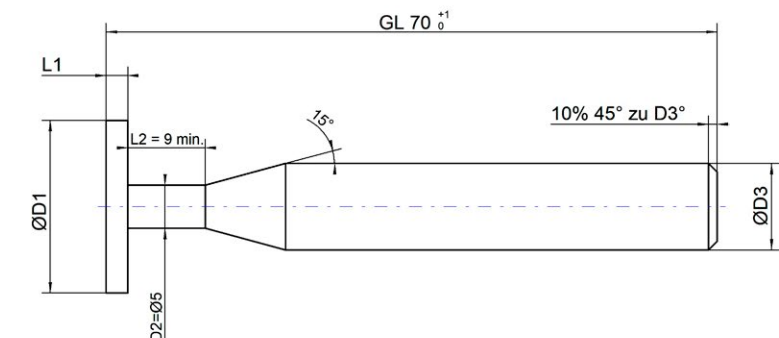
5 PRO's of the ACTIONMILL:

- Quickly available, semi-standardized T-slot mill
- Micro and macro geometry at the highest level
- High performance at a very good price-performance ratio
- Perfect for individualized applications
- Specialized also for difficult-to-cut materials

Example: T-Slot Ø17.5 x 2.0 mm; Neck Ø6.0 x 9.0 mm; Helical flutes and α-INOX coated

Article number XXXX.WWWW	D1 (mm) XXXX	D2 (mm)	D3 h6 (mm)	L1 ±0.005 (mm) WWW	L2 (mm)	GL (mm)
AM.TS.XXXX.WWWW.BB.ZZ.20	Ø16.1-Ø20.2	Ø6	Ø10 h6	2.0-3.0 mm	min. 9	70
AM.TS.1750.0200.01.ZD.20	17.5	6	10h6	2.0	9	70

$D_1 = 16.1\text{mm} - 20.2\text{mm}$



Article number

(AM.TS.XXXX.WWWW.BB.ZZ.20): _____

☐ Inquiry

☐ Order

Order number: _____ Other: _____

Dimensions (XXXX.WWWW):

D1 (XXXX) L1 (WWW)
Ø16.1-Ø20.2 2.0-3.0 mm

Material to be machined _____

Coating (BB):

- ☐ (.00) blank
☐ (.01) α-INOX
☐ (.02) β-Titan
☐ (.03) γ-Steel

Flute form (ZZ):

- ☐ (.ZG) Straight
☐ (.ZD) Helical

Product attributes:

- Shank shape: HA
- Shank diameter D3h6: Ø10
- Raw material: 2017440-2
- Overall length: 70
- Amount of flutes: Z18

Minimum order quantity from 3 pieces:

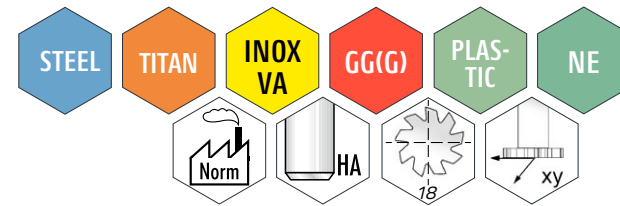
* Without further information, the most suitable coating will be used.

Z	blank BB	α-INOX BB	β-Titan BB	γ-Steel BB	Z-Straight ZZ	Z-Helix ZZ
Z18	.00	.01	.02	.03	.ZG	.ZD
Z18		.01				.ZD

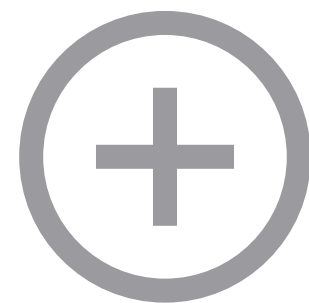
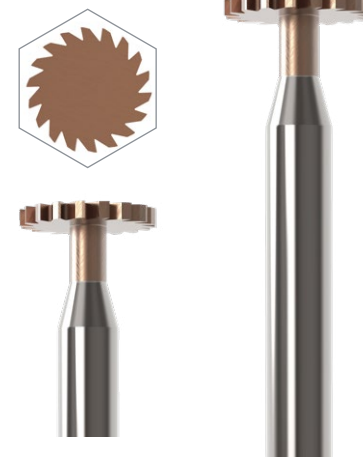
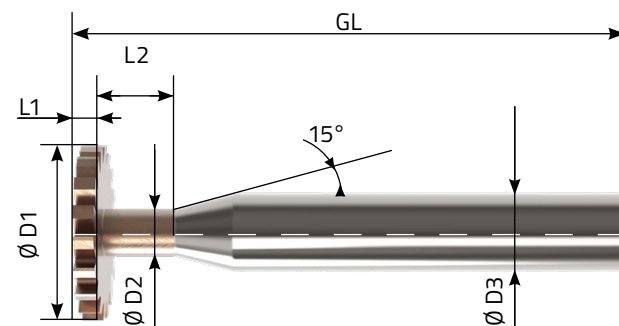
Minimum order quantity: 3 pieces

Delivery time: Blank 2 weeks; Coated 3-4 weeks

T-SLOT 25



ACTIONMILL
AM.TS.XXXX.WWWW.BB.ZZ.25
T-SLOT
D1 L1 Blank or coated
← D1 max
Straight or helical flutes



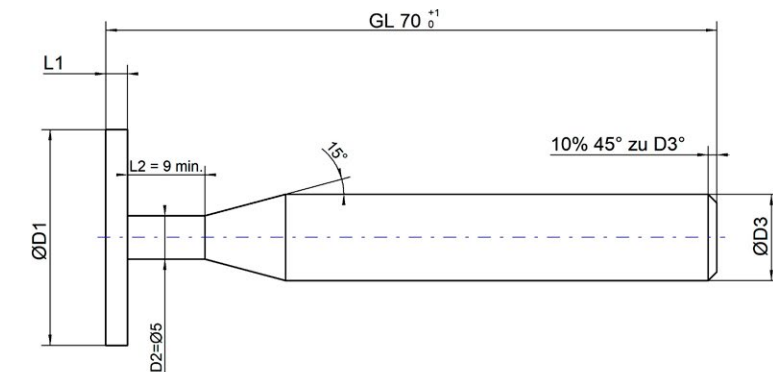
5 PRO's of the ACTIONMILL:

- Quickly available, semi-standardized T-slot mill
- Micro and macro geometry at the highest level
- High performance at a very good price-performance ratio
- Perfect for individualized applications
- Specialized also for difficult-to-cut materials

Example: T-Slot Ø23.5 x 2.5 mm, Neck Ø6.0 x 9.0mm, Helical flutes and blank (uncoated)

Article number XXXX.WWWW	D1 (mm) XXXX	D2 (mm)	D3 h6 (mm)	L1 ±0.005 (mm) WWW	L2 (mm)	GL (mm)
AM.TS.XXXX.WWWW.BB.ZZ.25	Ø20.2-Ø25.2	Ø6	Ø10 h6	2.0-3.0 mm	min. 9	70
AM.TS.2350.0250.00.ZD.25	23.5	6	10h6	2.5	9	70

$D_1 = 20.2\text{mm} - 25.2\text{mm}$



Article number

(AM.TS.XXXX.WWWW.BB.ZZ.25): _____

☐ Inquiry

☐ Order

Order number: _____ Other: _____

Dimensions (XXXX.WWWW):

D1 (XXXX) _____ L1 (WWW) _____
Ø20.2-Ø25.2 2.0-3.0 mm

Material to be machined _____

Coating (BB):

- ☐ (.00) blank
☐ (.01) α-INOX
☐ (.02) β-Titan
☐ (.03) γ-Steel

Flute form (ZZ):

- ☐ (.ZG) Straight
☐ (.ZD) Helical

Product attributes:

- Shank shape: HA
- Shank diameter D3h6: Ø10
- Raw material: 201744 1-2
- Overall length: 70
- Amount of flutes: Z18

Minimum order quantity from 3 pieces:

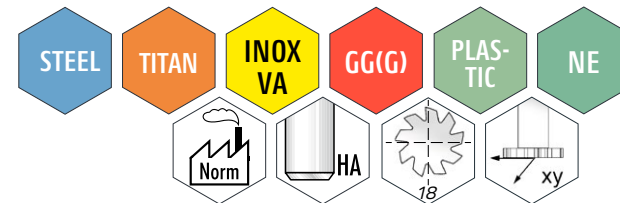
* Without further information, the most suitable coating will be used.

Z	blank BB	α-INOX BB	β-Titan BB	γ-Steel BB	Z-Straight ZZ	Z-Helix ZZ
Z18	.00	.01	.02	.03	.ZG	.ZD
Z18	.00					.ZD

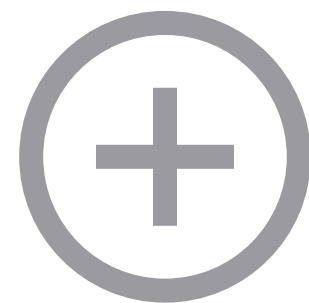
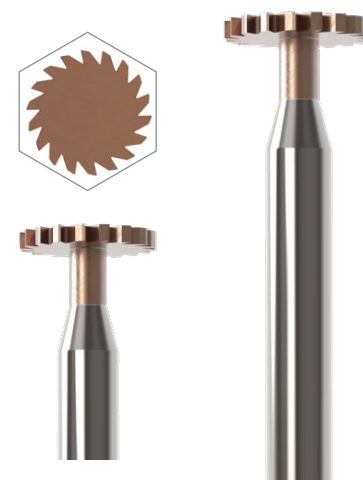
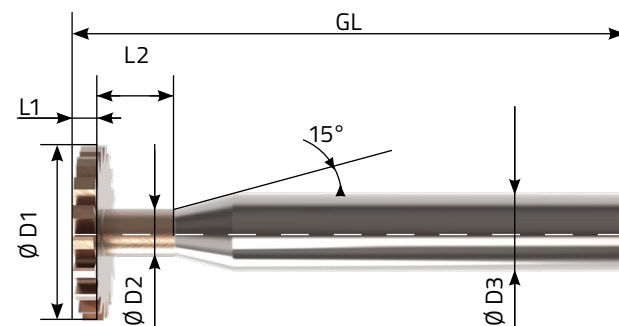
Minimum order quantity: 3 pieces

Delivery time: Blank 2 weeks; Coated 3-4 weeks

T-SLOT 30



ACTIONMILL
T-SLOT
D1 L1 Blank or coated
AM.TS.XXXX.WWWW.BB.ZZ.30 ← D1 max
Straight or helical flutes



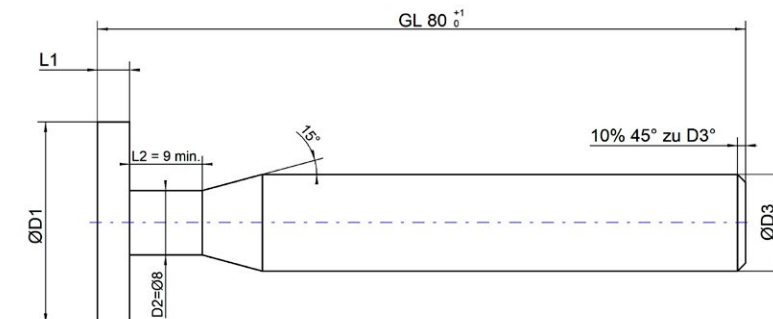
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- Micro and macro geometry at the highest level
- High performance at a very good price-performance ratio
- Perfect for individualized applications
- Specialized also for difficult-to-cut materials

Example: T-Slot Ø28.25 x 3.8 mm, Neck Ø6.0 x 9.0mm, Straight flutes and β-Titan coated

Article number XXXX.WWWW	D1 (mm) XXXX	D2 (mm)	D3 h6 (mm)	L1 ±0.005 (mm) WWW	L2 (mm)	GL (mm)
AM.TS.XXXX.WWWW.BB.ZZ.30	Ø25.2-Ø30.2	Ø6	Ø10 h6	2.5-4.0 mm	min. 9	80
AM.TS.2825.0380.02.ZG.30	28.25	6	10h6	3.8	9	80

$D_1 = 25.2\text{mm} - 30.2\text{mm}$



Article number

(AM.TS.XXXX.WWWW.BB.ZZ.30): _____

☐ Inquiry

☐ Order

Order number: _____ Other: _____

Dimensions (XXXX.YYYY.WWWW.LLLL):

D1 (XXXX) _____ L1 (WWW) _____
Ø25.2-Ø30.2 2.5-4.0 mm

Material to be machined _____

Coating (BB):

- ☐ (.00) blank
☐ (.01) α-INOX
☐ (.02) β-Titan
☐ (.03) γ-Steel

Flute form (ZZ):

- ☐ (.ZG) Straight
☐ (.ZD) Helical

Product attributes:

- Shank shape: HA
- Shank diameter D3h6: Ø10
- Raw material: 2018639-2
- Overall length: 80
- Amount of flutes: Z18

Minimum order quantity from 3 pieces:

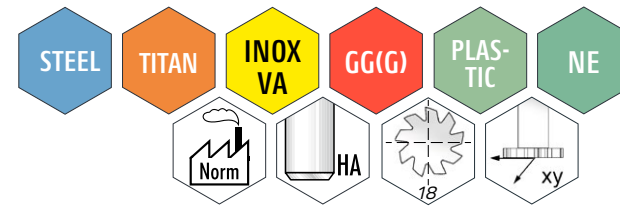
* Without further information, the most suitable coating will be used.

Z	blank BB	α-INOX BB	β-Titan BB	γ-Steel BB	Z-Straight ZZ	Z-Helix ZZ
Z18	.00	.01	.02	.03	.ZG	.ZD
Z18			.02		.ZG	

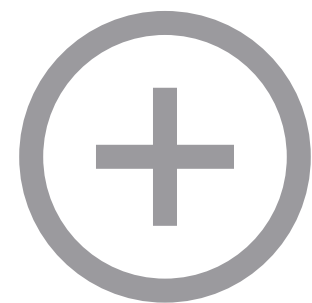
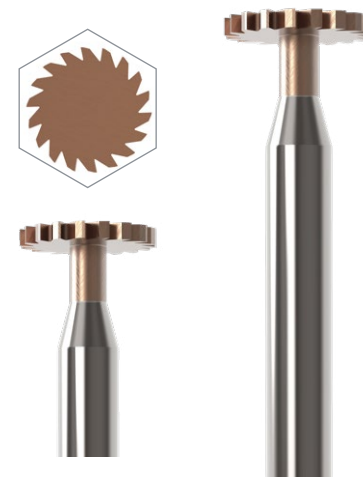
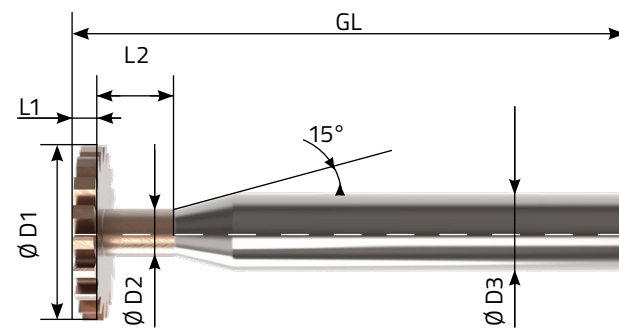
Minimum order quantity: 3 pieces

Delivery time: Blank 2 weeks; Coated 3-4 weeks

T-SLOT 40



ACTIONMILL
T-SLOT
D1 L1 Blank or coated
AM.TS.XXXX.WWWW.BB.ZZ.40 ← D1 max
Straight or helical flutes



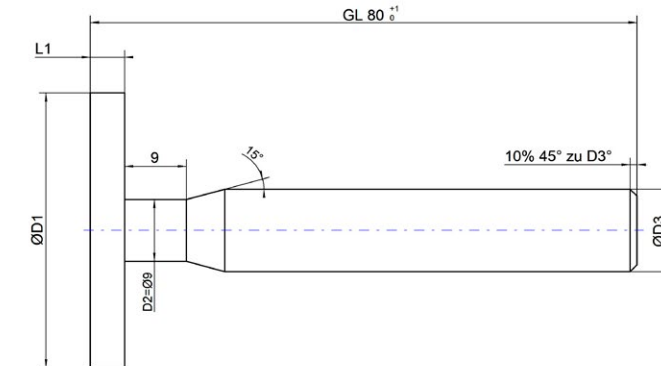
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- High performance at a very good price-performance ratio
- Perfect for individualized applications
- Specialized also for difficult-to-cut materials

Example: T-Slot Ø39.0 x 4.7 mm, Neck Ø9.0 x 9.0mm, Straight and γ-Steel coated

Article number XXXX.WWWW	D1 (mm) XXXX	D2 (mm)	D3 h6 (mm)	L1 ±0.005 (mm) WWW	L2 (mm)	GL (mm)
AM.TS.XXXX.WWWW.BB.ZZ.40	Ø30.2-Ø40.2	Ø9	Ø12	3.0-5.0 mm	min. 9 mm	80
AM.TS.3900.0470.03.ZG.40	39.0	9	12	4.7	9	80

$D_1 = 30.2\text{mm} - 40.2\text{mm}$



Article number

(AM.TS.XXXX.WWWW.BB.ZZ.40): _____

☐ Inquiry

☐ Order

Order number: _____ Other: _____

Dimensions (XXXX.WWWW):

D1 (XXXX) _____ L1 (WWW) _____
Ø30.2-Ø40.2 3.0-5.0 mm

Material to be machined _____

Coating (BB):

- ☐ (.00) blank
☐ (.01) α-INOX
☐ (.02) β-Titan
☐ (.03) γ-Steel

Flute form (ZZ):

- ☐ (.ZG) Straight
☐ (.ZD) Helical

Product attributes:

- Shank shape: HA
- Shank diameter D3h6: Ø12
- Raw material: 2017442-2
- Overall length: 80
- Amount of flutes: Z18

Minimum order quantity from 3 pieces:

* Without further information, the most suitable coating will be used.

Z	blank BB	α-INOX BB	β-Titan BB	γ-Steel BB	Z-Straight ZZ	Z-Helix ZZ
Z18	.00	.01	.02	.03	.ZG	.ZD
Z18				.03	.ZG	

Minimum order quantity: 3 pieces

Delivery time: Blank 2 weeks; Coated 3-4 weeks

ACTIONMILL®

by HB microtec

T-SLOT



HBmicrotec®
ACTIONTOOLS & ENGINEERING

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