



# THE NEW SLIM COLLECTION

Hydraulic high precision toolholders with dimensions for shrink fit replacement



**HYDRO-GRIP SLIM**  
**THE END OF HEAT SHRINK**

# ETP HYDRO-GRIP® SLIM

## Hydraulic high precision toolholders

**HYDRO-GRIP®** high precision tool holders are your guarantee of secure clamping for milling, drilling and reaming tools. Their unique strength provides precision and rigid-tool stability to improve machining performance for the largest number of applications. With the extensive range of **HYDRO-GRIP®** high precision toolholders all application areas, from finishing to heavy roughing, is covered. Bore diameters 6 – 12 mm available for the **HYDRO-GRIP® SLIM** at the moment.



### BENEFITS & FEATURES

- Easy handling and tool change
- Minimum tool run-out ensures good surface and extends tool life
- High speed capability
- Dampens noise and vibration
- Length pre-setting possible to save time

### About ETP Transmission AB

**ETP Transmission AB**, after being in business for more than 50 years, has successfully developed products for 3 business or application areas.

- Metalworking
- Woodworking
- Power Transmission under the registered trademarks **ETP®** and **ETP HYDRO-GRIP®**.

### ETP Transmission AB

– leader in hydraulic clamping and centering products

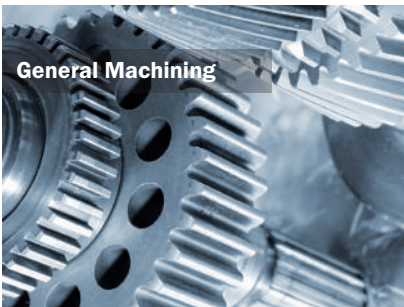
Our business concept and all products are based upon the hydraulic principle. The ETP high precision products offer quick assembly and disassembly. With other words, you can fit your tools or components quick, easy and precise and run at high speeds. Within a few seconds you achieve perfect centering and fastening, simply by tightening of only one screw. Saving you time and money.

We are a global company and our customers are the leaders within their segments. This is the way we like it, working with companies that expect the absolute best from us. Your challenges drive us forward!

Table of content	Page
The basic design	4
Product overview - ETP HYDRO-GRIP Family	5
ETP HG SLIM HSK32	6
ETP HG SLIM HSK40	7
ETP HG SLIM HSK63	8
ETP HG SLIM PSK C6	9
ETP HG SLIM ISO40	9
ETP HG SLIM ISO50	10
ETP HG SLIM BT30	10
ETP HG SLIM BT40	11
ETP HG SLIM CAT40	11

### Industry segments

ETP HYDRO-GRIP has for many years enabled high quality machining within industry segment with high quality demands, such as: Aerospace, Automotive, Die & Mould, General Machining, Medical, Oil & Gas.



# The basic design: ETP HYDRO-GRIP SLIM - Hydraulic high precision toolholder

### Toolholder shank:

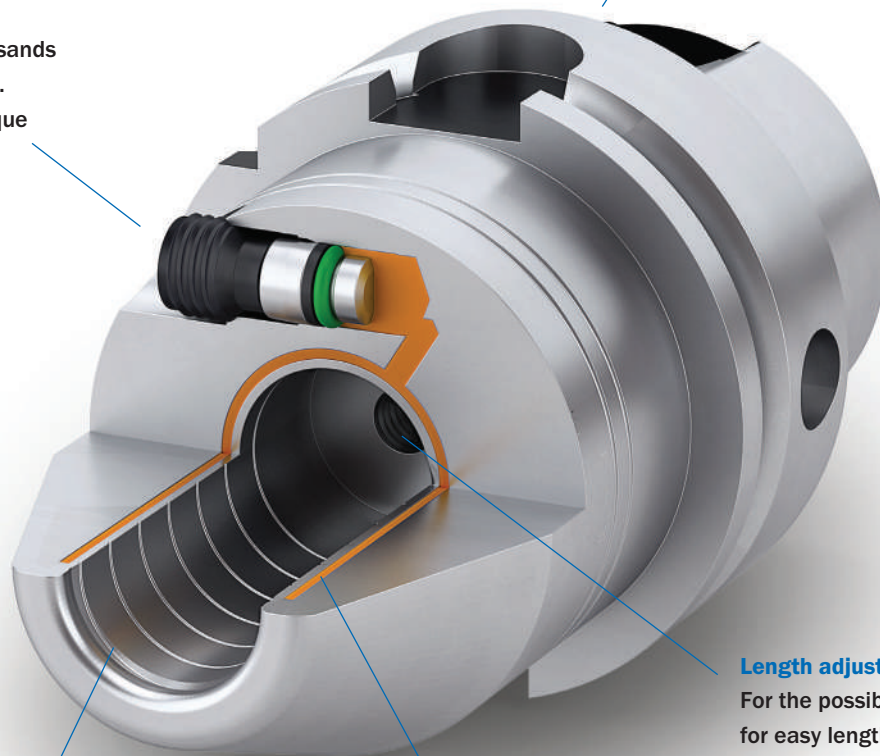
ETP HYDRO-GRIP SLIM is available in a large assortment of different machine interface shanks:

- PSK – C6
- HSK – 32, 40, 63
- ISO – 40, 50
- BT – 30, 40
- CAT – 40

### Pressure system:

Pressure screw and piston with sealing system.

- Optimised for thousands of pressure settings.
- Low tightening torque (6 or 10 Nm)
- Easy handling



### Length adjustment:

For the possibility to add screw for easy length adjustment ETP HYDRO-GRIP toolholders are equipped with a center thread. (Not valid for PENCIL design).

### The groove:

The integral spiral groove ensures any residual coolant on the tool to be removed from the contact surface when mounting the tool.

- Ensures high gripping force at any time
- on the HYDRO-GRIP SLIM we have grooves on D1:12 and larger.

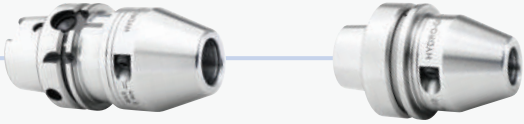






### Pressure chamber:

- Secure clamping of any tool type.

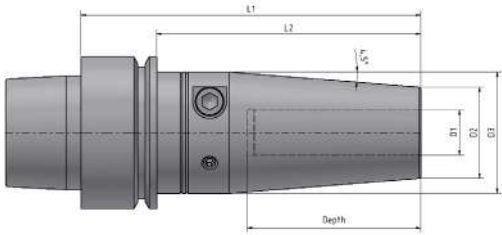
A robust membrane and minimum amount of pressure media ensures a good temperature working range.

# ETP HYDRO-GRIP Family

For more information about the different HYDRO-GRIP versions see the complete catalog, downloadable from our web page (see QR code on the back).

<p><b>ETP HYDRO-GRIP®</b> THE ORIGINAL</p>	
<p><b>ETP HYDRO-GRIP® HD</b> HEAVY DUTY</p>	
<p><b>ETP HYDRO-GRIP® SLENDER</b> SLENDER DESIGN</p>	
<p><b>ETP HYDRO-GRIP® PENCIL</b> SLIM AND LONG REACH</p>	
<p><b>ETP HYDRO-GRIP® S</b> GRINDING HOLDER</p>	
<p><b>ETP ECOGRIP® ER</b> ADJUSTABLE HOLDER</p>	
<p><b>ETP HG SLIM</b> SHRINK FIT REPLACEMENT</p>	 <p data-bbox="1117 1691 1308 1881">Slim - shrink fit replacement</p> <p data-bbox="1428 1691 1476 1904">THIS DOC.</p>

## ETP HYDRO-GRIP® SLIM HSK32 Form C - DIN 69893



### Technical Specification HSK32 Form C

HSK size	Part no.	Item description	Dimensions, mm									
			D1	D2	D3	L1	L2	L3	depth	T* Nm	Weight kg	G 2.5 at rpm
32	696520	ETP HG SLIM-6	6	21	27	70	60		35	12-22		25 000
32	696530	ETP HG SLIM-8	8	21	27	70	60		35	27-40		25 000
32	696540	ETP HG SLIM-10	10	24	32	70	60		40	35-70		25 000
32	696550	ETP HG SLIM-12	12	24	32	80	70		46	60-125		25 000

\*) T = Min. and Max. transmittable torque, full depth insert. For additional information see section Technical Information in the HYDRO-GRIP catalog.

## ETP HYDRO-GRIP® SLIM HSK32 Form E - DIN 69893

### Technical Specification HSK32 Form E

HSK size	Part no.	Item description	Dimensions, mm									
			D1	D2	D3	L1	L2	L3	depth	T* Nm	Weight kg	G 2.5 at rpm
32	696460	ETP HG SLIM-6	6	21	27	71,5	51,5		35	12-22		25 000
32	696470	ETP HG SLIM-8	8	21	27	71,5	51,5		35	27-40		25 000
32	696560	ETP HG SLIM-10	10	24	32	80	60		40	35-70		25 000 **
32	696570	ETP HG SLIM-12	12	24	32	80	60		40	60-125		25 000

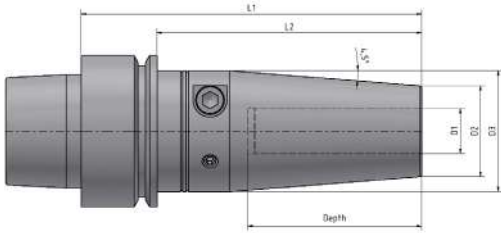
\*) T = Min. and Max. transmittable torque, full depth insert. For additional information see section Technical Information in the HYDRO-GRIP catalog.

\*\*\*) Does not follow DIN 69882-8

#### Information:

- Runout accuracy  $\leq 0.004$  mm at  $2.5 \times D1$  (max. 50 mm),
- Tool shank h6 or h7 can be used
- Axial length adjustment screw included
- Dimensions according to DIN 69882-8
- Coolant through on all holders
- ETP HG SLIM can be used with Reductions Sleeves
- Bore for data carrier

# ETP HYDRO-GRIP® SLIM HSK40 Form C - DIN 69893



## Technical Specification HSK40 Form C

HSK size	Part no.	Item description	Dimensions, mm										
			D1	D2	D3	L1	L2	L3	depth	T* Nm	Weight kg	G 2.5 at rpm	
40	696480	ETP HG SLIM-6	6	21	27	70	60				35	12-22	25 000
40	696490	ETP HG SLIM-8	8	21	27	70	60				35	27-40	25 000
40	696500	ETP HG SLIM-10	10	24	32	70	60				40	35-70	25 000
40	696510	ETP HG SLIM-12	12	24	32	80	70				46	60-125	25 000

\*) T = Min. and Max. transmittable torque, full depth insert. For additional information see section Technical Information in the HYDRO-GRIP catalog.

# ETP HYDRO-GRIP® SLIM HSK40 Form E - DIN 69893

## Technical Specification HSK 40 Form E

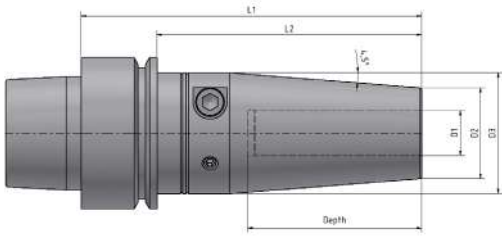
HSK size	Part no.	Item description	Dimensions, mm										
			D1	D2	D3	L1	L2	L3	depth	T* Nm	Weight kg	G 2.5 at rpm	
40	696580	ETP HG SLIM-6	6	21	27	80	60				35	12-22	25 000
40	696590	ETP HG SLIM-8	8	21	27	80	60				35	27-40	25 000
40	696600	ETP HG SLIM-10	10	24	32	80	60				40	35-70	25 000
40	696610	ETP HG SLIM-12	12	24	32	90	70				46	60-125	25 000

\*) T = Min. and Max. transmittable torque, full depth insert. For additional information see section Technical Information in the HYDRO-GRIP catalog.

### Information:

- Runout accuracy  $\leq 0.004$  mm at  $2.5 \times D1$  (max. 50 mm),
- Tool shank h6 or h7 can be used
- Axial length adjustment screw included
- Dimensions according to DIN 69882-8
- Coolant through on all holders
- ETP HG SLIM can be used with Reductions Sleeves
- Bore for data carrier

## ETP HYDRO-GRIP® SLIM HSK63 Form A/C - DIN 69893



### Technical Specification HSK63 Form A/C

HSK size	Part no.	Item description	Dimensions, mm											
			D1	D2	D3	L1	L2	L3	depth	T* Nm	Weight kg	G 2.5 at rpm		
63	696000	ETP HG SLIM-6	6	21	27	80	54				35	12-22		25 000
63	696010	ETP HG SLIM-8	8	21	27	80	54				35	27-40		25 000
63	696020	ETP HG SLIM-10	10	24	32	85	59				40	35-70		25 000
63	696030	ETP HG SLIM-12	12	24	32	90	64				46	60-125		25 000

\*) T = Min. and Max. transmittable torque, full depth insert. For additional information see section Technical Information in the HYDRO-GRIP catalog.

## ETP HYDRO-GRIP® SLIM HSK63 Form F - DIN 69893

### Technical Specification HSK63 Form F

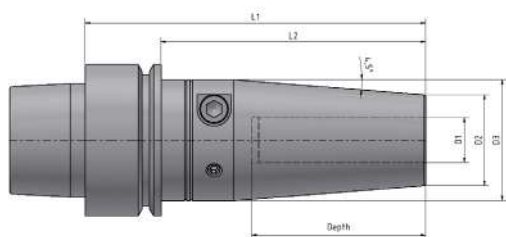
HSK size	Part no.	Item description	Dimensions, mm											
			D1	D2	D3	L1	L2	L3	depth	T* Nm	Weight kg	G 2.5 at rpm		
63	696040	ETP HG SLIM-6	6	21	27	80	54				35	12-22		25 000
63	696050	ETP HG SLIM-8	8	21	27	80	54				35	27-40		25 000
63	696060	ETP HG SLIM-10	10	24	32	85	59				40	35-70		25 000
63	696070	ETP HG SLIM-12	12	24	32	90	64				46	60-125		25 000

\*) T = Min. and Max. transmittable torque, full depth insert. For additional information see section Technical Information in the HYDRO-GRIP catalog.

#### Information:

- Runout accuracy  $\leq 0.004$  mm at  $2.5 \times D1$  (max. 50 mm),
- Tool shank h6 or h7 can be used
- Axial length adjustment screw included
- Dimensions according to DIN 69882-8
- Coolant through on all holders
- ETP HG SLIM can be used with Reductions Sleeves
- Bore for data carrier

## ETP HYDRO-GRIP® SLIM PSK C6

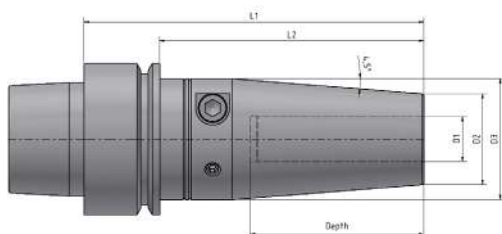


## Technical Specification PSK C6

size	Part no.	Item description	Dimensions, mm									T* Nm	Weight kg	G 2.5 at rpm
			D1	D2	D3	L1	L2	L3	depth					
C6	696180	ETPHG SLIM-6	6	21	27	80	58		35	12-22	25 000			
C6	696190	ETP HG SLIM-8	8	21	27	80	58		35	27-40	25 000			
C6	696200	ETP HG SLIM-10	10	24	32	80	58		40	35-70	25 000			
C6	696210	ETP HG SLIM-12	12	24	32	80	58		40	60-125	25 000			

\*) T = Min. and Max. transmittable torque, full depth insert. For additional information see section Technical Information in the HYDRO-GRIP catalog.

## ETP HYDRO-GRIP® SLIM ISO40 - DIN 69893



## Technical Specification ISO40

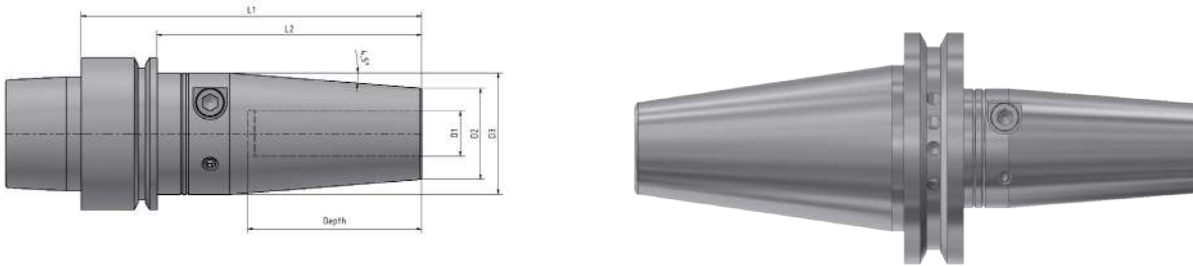
ISO size	Part no.	Item description	Dimensions, mm									T* Nm	Weight kg	G 2.5 at rpm
			D1	D2	D3	L1	L2	L3	depth					
40	696240	ETP HG SLIM-6	6	21	27	80	60,9		35	12-22	25 000			
40	696250	ETP HG SLIM-8	8	21	27	80	60,9		35	27-40	25 000			
40	696260	ETP HG SLIM-10	10	24	32	80	60,9		40	35-70	25 000			
40	696270	ETP HG SLIM-12	12	24	32	80	60,9		46	60-125	25 000			

\*) T = Min. and Max. transmittable torque, full depth insert. For additional information see section Technical Information in the HYDRO-GRIP catalog.

## Information:

- Runout accuracy  $\leq 0.004$  mm at  $2.5 \times D1$  (max. 50 mm),
- Tool shank h6 or h7 can be used
- Axial length adjustment screw included
- Coolant through on all holders
- ETP HG SLIM can be used with Reductions Sleeves
- Bore for data carrier

## ETP HYDRO-GRIP® SLIM ISO50 - DIN 7388-1

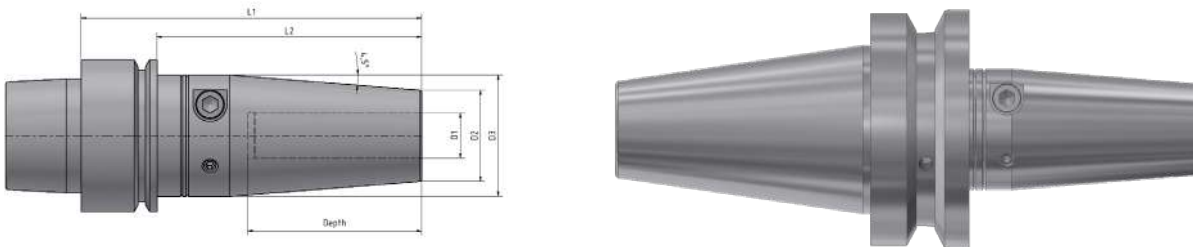


### Technical Specification ISO50

ISO size	Part no.	Item description	Dimensions, mm											
			D1	D2	D3	L1	L2	L3	depth	T* Nm	Weight kg	G 2.5 at rpm		
50	696280	ETP HG SLIM-12	12	24	32	80	60,9				46	60-125		25 000

\*) T = Min. and Max. transmittable torque, full depth insert. For additional information see section Technical Information in the HYDRO-GRIP catalog.

## ETP HYDRO-GRIP® SLIM BT30 Form A - DIN 7388-1



### Technical Specification BT30 Form A

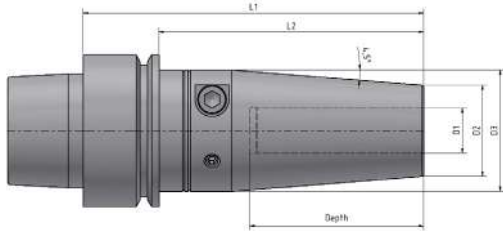
BT size	Part no.	Item description	Dimensions, mm											
			D1	D2	D3	L1	L2	L3	depth	T* Nm	Weight kg	G 2.5 at rpm		
30	696290	ETP HG SLIM-6	6	21	27	80	57				35	12-22		25 000
30	696300	ETP HG SLIM-8	8	21	27	80	57				35	27-40		25 000
30	696310	ETP HG SLIM-10	10	24	32	80	57				40	35-70		25 000
30	696320	ETP HG SLIM-12	12	24	32	80	57				40	60-125		25 000
30	696380	ETP HG SLIM-12/DC	12	24	32	95	73				46	60-125		25 000

\*) T = Min. and Max. transmittable torque, full depth insert. For additional information see section Technical Information in the HYDRO-GRIP catalog.

#### Information:

- Runout accuracy  $\leq 0.004$  mm at  $2.5 \times D1$  (max. 50 mm),
- Tool shank h6 or h7 can be used
- Axial length adjustment screw included
- Dimensions according to DIN 69882-8
- Coolant through on all holders
- ETP HG SLIM can be used with Reductions Sleeves
- Bore for data carrier

## ETP HYDRO-GRIP® SLIM BT40 Form A/B - DIN 7388-1

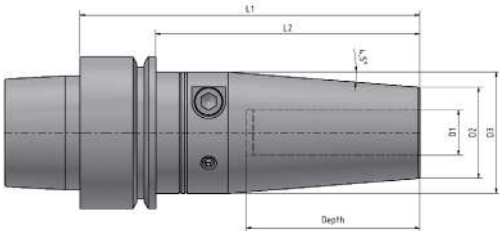


## Technical Specification BT40 Form A/B

BT size	Part no.	Item description	Dimensions, mm									T* Nm	Weight kg	G 2.5 at rpm
			D1	D2	D3	L1	L2	L3	depth					
40	696330	ETP HG SLIM-6	6	21	27	90	62				35	12-22	25 000	
40	696340	ETP HG SLIM-8	8	21	27	90	62				35	27-40	25 000	
40	696350	ETP HG SLIM-10	10	24	32	90	62				40	35-70	25 000	
40	696360	ETP HG SLIM-12/B	12	24	32	90	62				46	60-125	25 000	
40	696390	ETP HG SLIM-12/DC	12	24	32	100	73				46	60-125	25 000	

\*) T = Min. and Max. transmittable torque, full depth insert. For additional information see section Technical Information in the HYDRO-GRIP catalog.

## ETP HYDRO-GRIP® SLIM CAT40 Form A/B - DIN 7388-1



## Technical Specification CAT 40 Form A/B

CAT size	Part no.	Item description	Dimensions, mm									T* Nm	Weight kg	G 2.5 at rpm
			D1	D2	D3	L1	L2	L3	depth					
40	696400	ETP HG SLIM-6	6	21	27	80	60,95				35	12-22	25 000	
40	696410	ETP HG SLIM-8	8	21	27	80	60,95				35	27-40	25 000	
40	696420	ETP HG SLIM-10	10	24	32	80	60,95				40	35-70	25 000	
40	696430	ETP HG SLIM-12	12	24	32	80	60,95				46	60-125	25 000	
40	696450	ETP HG SLIM-12/DC	12	24	32	93	73,95				46	60-125	25 000	

\*) T = Min. and Max. transmittable torque, full depth insert. For additional information see section Technical Information in the HYDRO-GRIP catalog.

## Information:

- Runout accuracy  $\leq 0.004$  mm at  $2.5 \times D1$  (max. 50 mm),
- Tool shank h6 or h7 can be used
- Axial length adjustment screw included
- Dimensions according to DIN 69882-8
- Coolant through on all holders
- ETP HG SLIM can be used with Reductions Sleeves
- Bore for data carrier

# AND THERE IS MORE



More Hydraulic high precision clamping units and facts



...and project marketing material and prints.  
Complete line also possible to order for our registered customers online.