UGE

Grippers

The economical solution:
Roughing jaws with exchangeable grippers

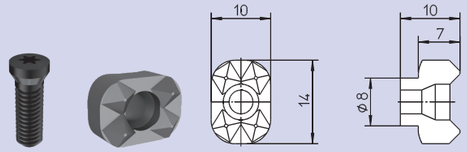
- Made from standard SMW-AUTOBLOK jaws.
- Economical, because only the worn out gripper is changed in seconds.
- Extended life compared to standard roughing jaws.

Features:

- Safe gripping of raw material/forgings/castings made from standard or high tensile strength material.
- Better gripping allows heavier cuts.
- Fast change of worn out grippers.

UGE 10

Id. No. 081845F, Hardened Steel



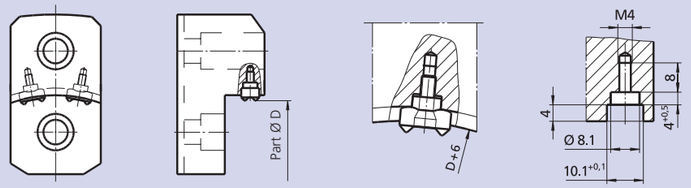
Parts included: Gripper with Torx screw

The universal gripper with unique feature:

- For flat and round clamping surfaces
- For external and internal gripping
- Front mounting of bolts
- Gripper seat, round or flat, and thread is easy to produce
- Hardening of gripper seat necessary
- **Torx screw driver Id. No. 085961**
- **Torx screw M4 x 13.5 Id. No. 033010**

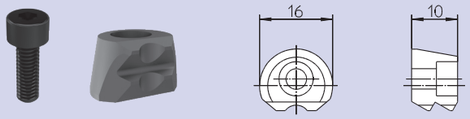
Mounting instruction:

1. Part Ø D + 6 mm (0.23 inch) + location + slot has to be turned or milled. Please note corrected dimensions according to sketch
2. Drill and tap
3. Harden jaw



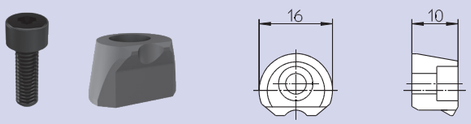
UGE 20

Id. No. 087414, Hardened Steel



UGE 21

Id. No. 233348 (Gripper with 1 tooth)



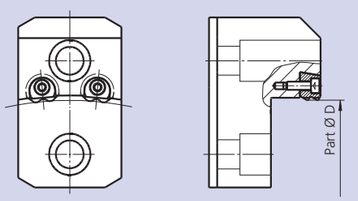
Parts included: Gripper with head socket screw M4 x 12 ISO 4762

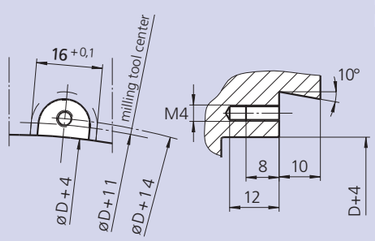
The gripper with the unique shape:

- Top mounting of bolt
- Pull-down effect by wedge shape design
- Can be used fixed or swivelling
- Gripper seat: Milling, drilling and tapping can easily be machined with the inclined milling tool (033611)
- No hardening of jaws necessary
- For external or internal clamping
- Head socket screw M4 x 12 ISO 4762, Id. No. 010145

Mounting instruction:

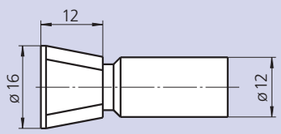
1. Part Ø D + 4 mm (0.16 inch) + location turning or milling
2. Milling of pocket + drilling and tapping





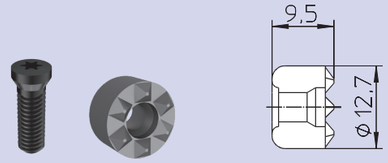
Inclined milling tool HSS
Id. No. 033611

Inclined milling tool Hardend steel
Id. No. 138711



UGE 30

Id. No. 089822, Solid Carbide



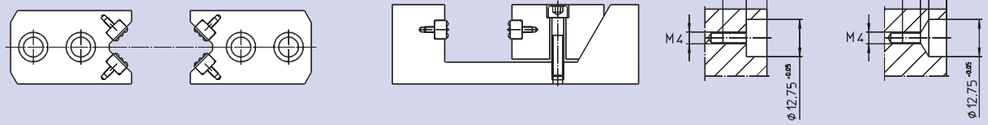
Parts included: Gripper with Torx screw

Gripper for prism jaws and fixtures:

- For external and internal gripping of rectangular parts
- For chuck jaws, fixture jaws and fixtures
- Front mounting of bolt
- Gripper seat: drilling and tapping can easily be done Bottom of seat can be either 120° (standard drill tool) or flat
- For high production hardening of gripper pocket is recommended
- **Torx screw driver Id. No. 085961**

Mounting instruction:

1. Drilling 12.7 Ø bottom of seat 120° or flat
2. Tapping of thread



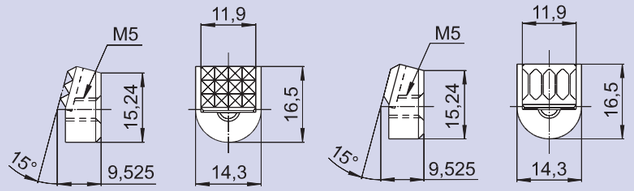
prism jaws **vice** **optional**

FGH 33

Id. No. 71400133
Carbide Tipped
with 12 points

FGH 34

Id. No. 71400134
Carbide Tipped
with 4 blades



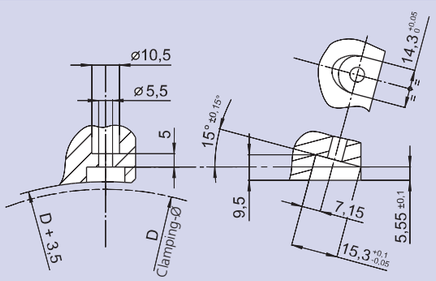
Inclined grippers with pull-down effect:

- For external clamping
- Very short and forward-positioned clamping area
- Rear mounting of bolts
- Inclined gripper seat are easy to be machined
- For high production hardening of gripper seat is recommended

Parts included: Gripper without screw

Mounting instruction for FGH grippers:

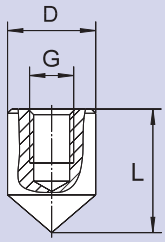
1. With 15° inclined top-jaw, mill the Ø 14.3 gripper seat.
2. Drill Ø 5.5 as shown on the drawing.
3. Drill Ø 10.5 for the screw's head.



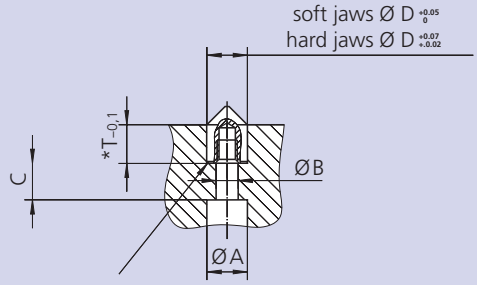
HDS + MGH

Grippers
Clamping tipos

MGH Hardened Steel



Parts included: Hardened tip without screw



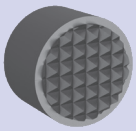
*equal per seth within 0.1 mm

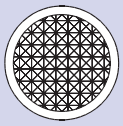
Clamping tips for jaws

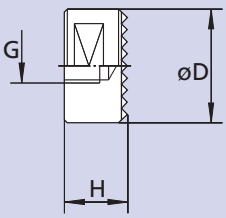
- For external and internal gripping
- Increasing gripping allows for heavier cuts
- Rear mounting of bolts
- Point seat can easily be machined: drilling only

Type		MGH 6	MGH 8	MGH 10	MGH 12
Id. No.		081851	087805	081852	081853
D	mm	6	8	10	12
L	mm	10	12	14	16
G	mm	M3	M4	M5	M6
A	mm	6	8	10	11
B	mm	3.4	4.5	5.5	6.6
C	mm	9	9	9	11
T	mm	7.5	8.5	9.5	10.5
R	mm	0.3	0.5	0.5	0.5
Torx Screw ISO 4762		M3 x 14	M4 x 14	M5 x 14	M6 x 16

HDS-R



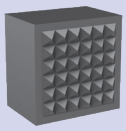


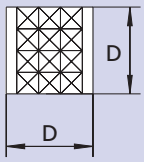


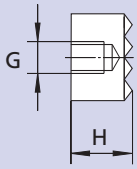
Grippers for jaws, fixtures

- For o.d. gripping
- Increase of the transmittable torque on raw or machined work pieces
- Rear mounting threads or side gaces for locking
- The pocket can easily be machined

HDS-Q







Type	Id. No.	D	H	G	max. load force F[1] (daN)	rec. mounting bore-Ø + 0.05	rec. mounting bore depth
HDS-R 10	081846	10	10	M5	800	10	9.0
HDS-R 11	081847	12.7	9.5	M5	1100	12.7	8.5
HDS-R 12	081848	12.7	12.7	M6	1100	12.7	11.5
HDS-R 13	081849	15.8	9.5	M6	2000	15.8	8.5
HDS-R 14	081850	19	9.5	M6	3000	19	8.5
HDS-Q 15	033058	12.7	9.5	M6	2000	–	–