

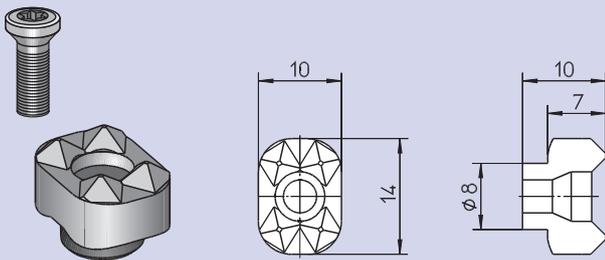
The economical solution: Roughing jaws with exchangeable grippers

- 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



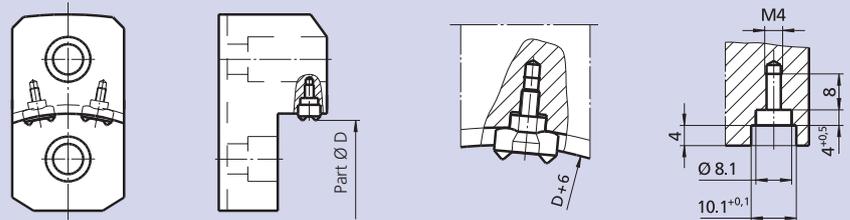
Parts included: Gripper with Torx screw

The universal gripper with unique feature:

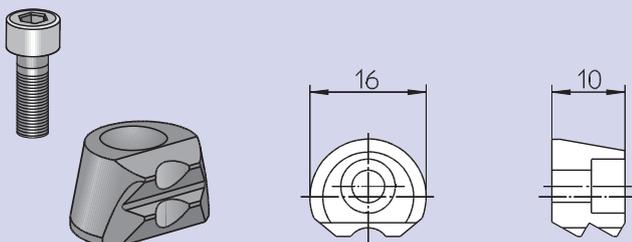
- For flat and round clamping surfaces
- For external and internal gripping
- Front mounting of bolts
- Gripper seat, round or flat, and thread is easy to produce
- Hardening of gripper seat necessary
- **Torx screw driver Id. No. 085961**
- **Torx screw M4 x 13.5 Id. No. 033010**

Mounting instruction:

1. Part $\varnothing D + 6$ 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



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

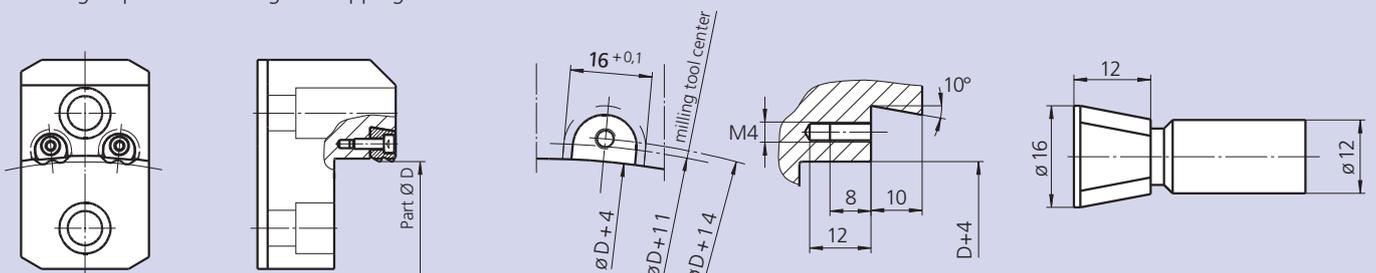
The gripper with the unique shape:

- 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 $\varnothing D + 4$ mm (0.16 inch) + location turning or milling
2. Milling of pocket + drilling and tapping

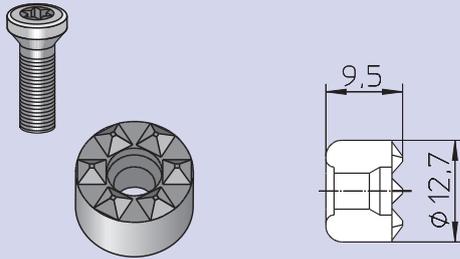
Inclined milling tool Id. No. 033611





UGE 30

Id. No. 089822, Solid Carbide



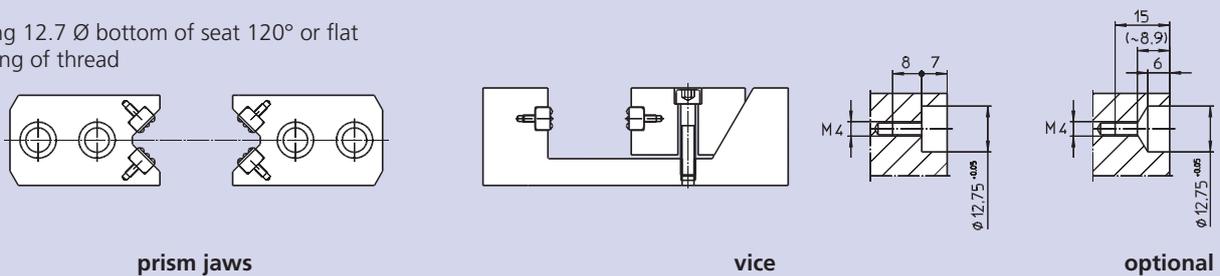
Parts included: Gripper with Torx screw

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**

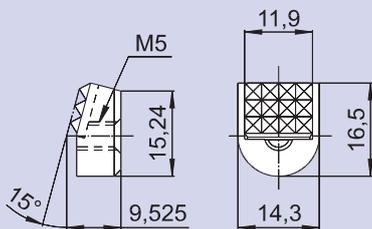
Mounting instruction:

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



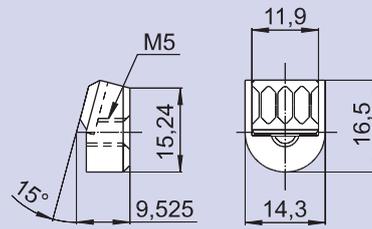
FGH 33

Id. No. 71400133
Carbide Tipped
with 12 points



FGH 34

Id. No. 71400134
Carbide Tipped
with 4 blades



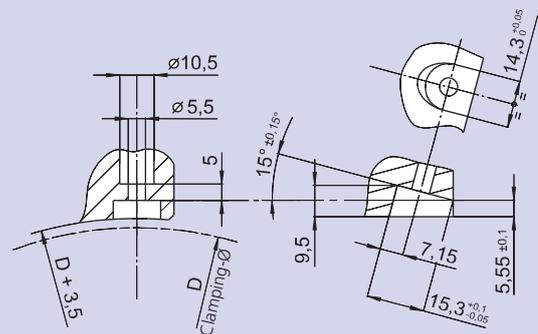
Inclined grippers with pull-down effect:

- 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

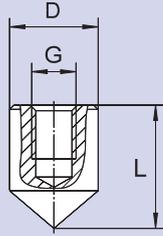
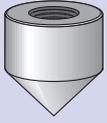
Parts included: Gripper without screw

Mounting instruction for FGH grippers:

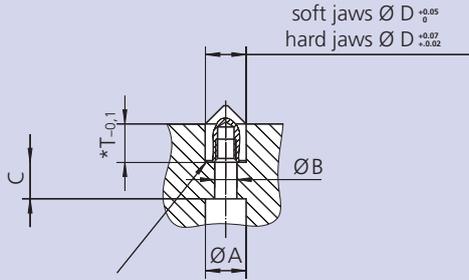
1. With 15° inclined top-jaw, mill the Ø 14.3 gripper seat.
2. Drill Ø 5.5 as shown on the drawing.
3. Drill Ø 10.5 for the screw's head.



MGH Hardened Steel



Parts included: Hardened tip without screw



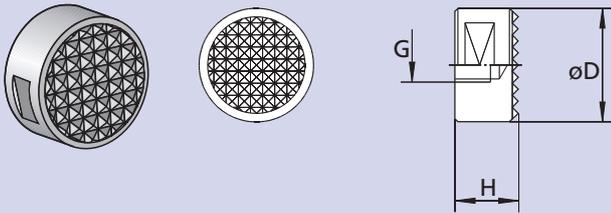
*equal per seth within 0.1 mm

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

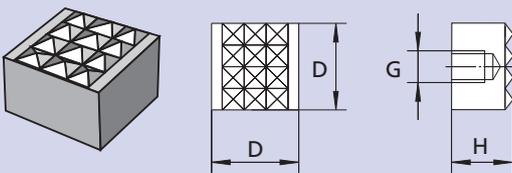
HDS-R



Grippers for jaws, fixtures

- For o.d. gripping
- Increase of the transmittable torque on raw or machined work pieces
- Rear mounting threads or side gages 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	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	-	-