

Hydraulic gripper

With counterbalance unit for workpiece handling in the machine tool



Application:

The gripper performs fully automatic workpiece replacement during the machining process on a machine tool. The change is performed from the machine tool of the milling machine and facilitates workpiece handling between the parts storage and clamping device.

It is actuated by coolant, which is routed through the machine spindle. The gripper closes hydraulically and opened using spring force.

The integrated spring-loaded CX counterbalance function protects the tool, machine spindle and workpiece and compensates for different tolerances and unevenness.

Execution:

- Max. permissible rotation speed: 20 [rpm].
- Suitable for Weldon mounting and hydraulic expansion chucks.
- Designed for ambient temperatures between 0°C and 60°C.
- Transport of workpieces up to max. 8 kg.
- Available in two versions for workpiece sizes up to max. 50 mm or max. 70 mm.

Advantage:

- The counterbalance function (Z: 5 mm, C: +/- 3°) optimally protects all components and compensates for different tolerances and unevenness.
- The gripping force can easily be adjusted using inductors and adapted to the respective requirements of the workpiece in this way.
- Easily exchangeable gripper inserts for handling different workpiece geometries.
- Easy implementation of unmanned shifts, ensuring greater machine utilisation and increased flexibility.
- Considerably reduced setup times for small to medium-sized batches.

Delivery:

1x hydraulic gripper with counterbalance unit.



Art. no.	27000 020
Brand	AMF
Manufacturer Part Number	558641
Min./max. operating pressure	25-30 bar
Stroke length	23 mm
Force range	250-1000 N
Type	+/- 3°
Diameter	80 mm
Diameter 2	25 mm
Interference circle	80 mm
Length	60.5 mm
Length 2	55 mm
Expansion length	80 mm
Depth	5 mm
Weight	2.2 kg
Gross Weight	2.200 kg
Product Group	2AW

EAN

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