



Superior Clamping and Gripping



Product Information

Universal intermediate jaw UZB

UZH

Universal intermediate jaw

Flexible. Precise. Stable.

UZH universal intermediate jaw

The universal intermediate jaw allows fast tool-free and reliable plugging and shifting of top jaws at the gripper.

Field of application

For handling of various components or frequent conversion of automated production lines in clean to dirty environments. Caution: The locking surfaces must keep free of grease and oil!

Advantages – Your benefits

Gripper with finger-sided centering for universal and flexible gripper assembly

Stable guiding strip suitable for long gripper fingers

Grid precise and repeatable

Tool-free adjustment and clamping for an easy and fast conversion



Options and special information

Adjustment range: up to three times higher than the gripper stroke

Material: Aluminum alloy, anodized

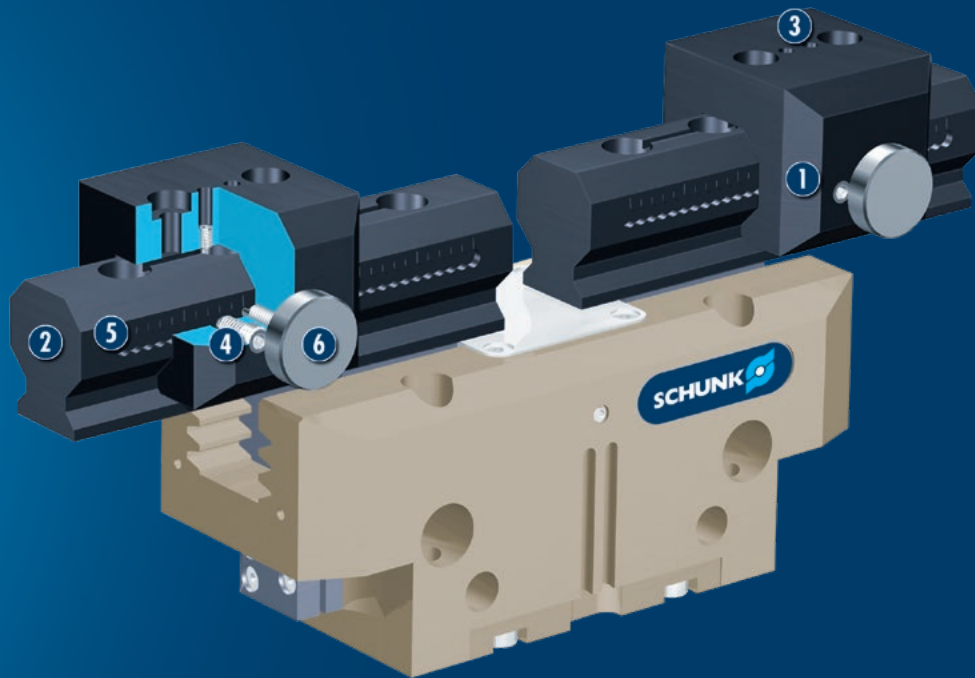
Warranty: 24 months

Functional description

The finger stroke can be tool-free adjusted. Then the UZH intermediate jaw allows conversion onto another workpiece width at short notice.

The two-piece UZH intermediate jaw from SCHUNK allows

fast exchange of the top. The gripper can be retrofitted within no time for other gripping tasks – without needing a tool.



- ① **UZH slides**
for adjustment of the gripping area
- ② **UZH guidance**
high bending stiffness for exact gripping
- ③ **Finger connection**
for the connection of workpiece-specific gripper fingers

- ④ **Grid**
for fast adjustment of the gripping position
- ⑤ **Scale**
for position detection and control
- ⑥ **Position clamping**
stable due to form-fit clamping

SCHUNK offers more ...

The following components make the product even more productive – the suitable addition for the highest functionality, flexibility, reliability, and controlled production.



2-finger parallel gripper



3-Finger Centric Gripper



Jaw quick-change system



Jaw blank

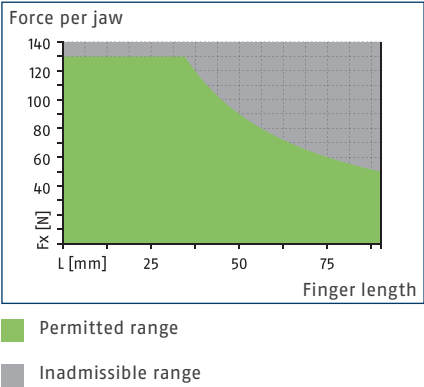
① For more information on these products can be found on the following product pages or at schunk.com.

UZH 40

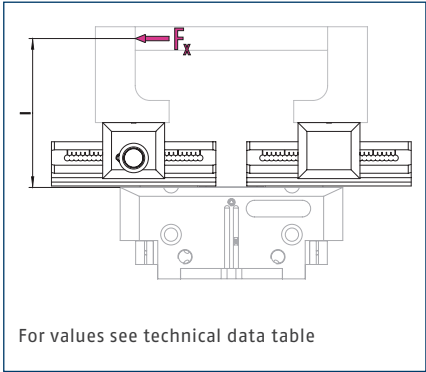
Universal intermediate jaw



Load diagram



Max. loads



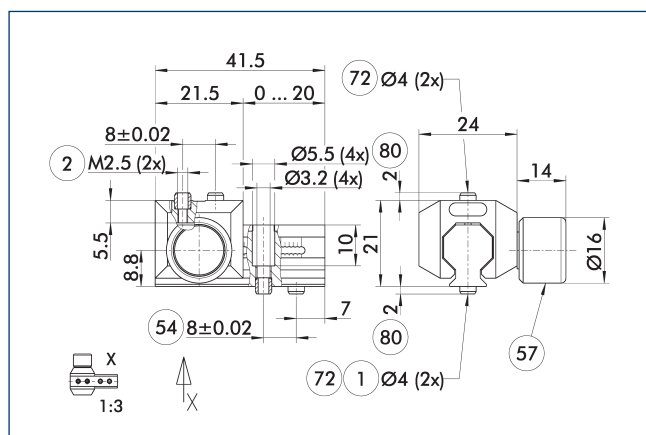
① The max. permissible moment of load ($M = F_x \cdot l$) resulting from the finger length (l), the force (F_x), and the occurring loads during application resulting from accelerations/torques must not be exceeded. The same applies to the max. permissible force F_x . Independently of this, attention needs to be paid to the max. permissible finger length and the permissible load values for the used gripper.

Technical data

Description		UZH 40
ID		0300040
Max. adjustment travel	[mm]	20
Grid dimension	[mm]	1
Weight	[g]	40
Max. permissible loading torque	[Nm]	4.5
Max. permissible force F_x	[N]	130

① The slide of the UZH-S universal intermediate jaw is available from unit size 80 as an individual component. Removal of the slide is not possible for smaller sizes.

UZH 40 universal intermediate jaw



- | | |
|--------------------------------------|---|
| ① Gripper connection | ⑤⑦ Locking |
| ② Finger connection | ⑦② Fit for centering sleeves |
| ⑤④ Optional right or left connection | ⑧① Depth of the centering sleeve hole in the counter part |

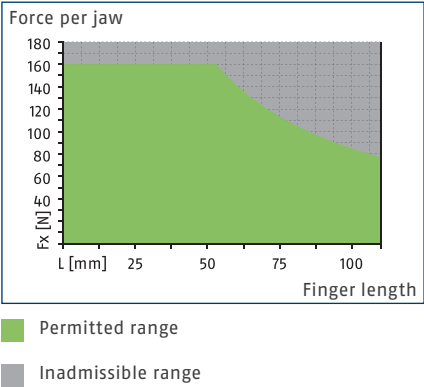
The drawing shows the UZH universal intermediate jaw.

UZH 50

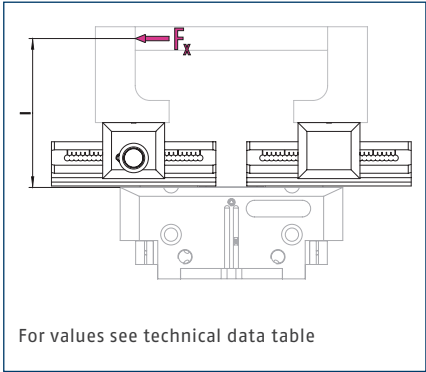
Universal intermediate jaw



Load diagram



Max. loads



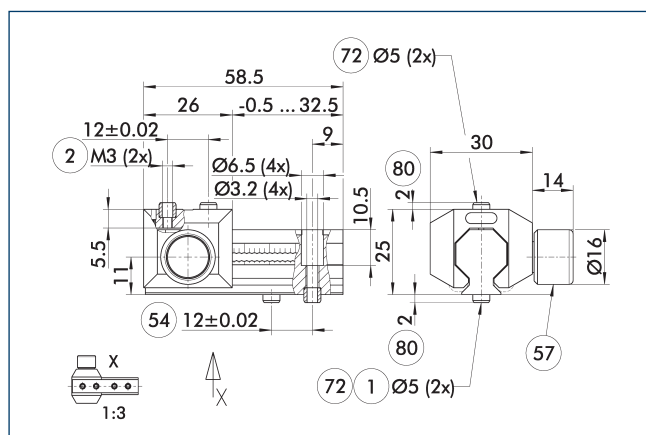
① The max. permissible moment of load ($M=F_x \cdot l$) resulting from the finger length (l), the force (F_x), and the occurring loads during application resulting from accelerations/torques must not be exceeded. The same applies to the max. permissible force F_x . Independently of this, attention needs to be paid to the max. permissible finger length and the permissible load values for the used gripper.

Technical data

Description		UZH 50
ID		0300041
Max. adjustment travel	[mm]	33
Grid dimension	[mm]	1.5
Weight	[g]	70
Max. permissible loading torque	[Nm]	8.5
Max. permissible force F_x	[N]	160

① The slide of the UZH-S universal intermediate jaw is available from unit size 80 as an individual component. Removal of the slide is not possible for smaller sizes.

UZH 50 universal intermediate jaw



- | | |
|--------------------------------------|---|
| ① Gripper connection | ⑤7 Locking |
| ② Finger connection | ⑦2 Fit for centering sleeves |
| ⑤4 Optional right or left connection | ⑧0 Depth of the centering sleeve hole in the counter part |

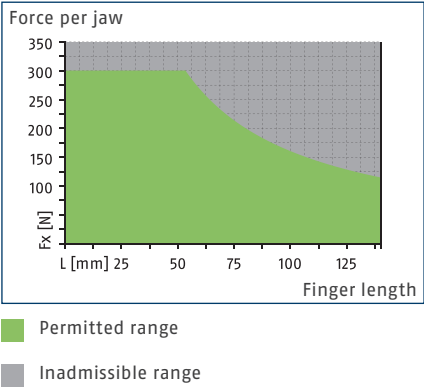
The drawing shows the UZB universal intermediate jaw.

UZH 64

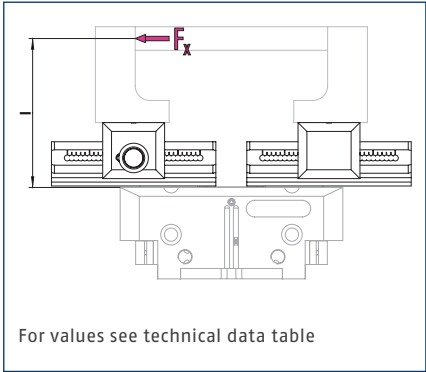
Universal intermediate jaw



Load diagram



Max. loads



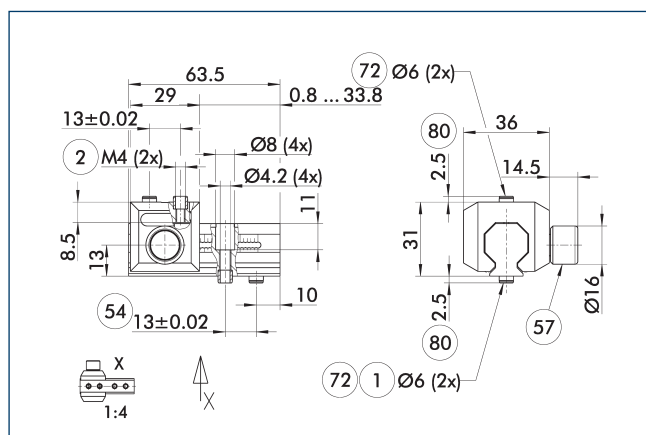
① The max. permissible moment of load ($M = F_x \cdot l$) resulting from the finger length (l), the force (F_x), and the occurring loads during application resulting from accelerations/torques must not be exceeded. The same applies to the max. permissible force F_x . Independently of this, attention needs to be paid to the max. permissible finger length and the permissible load values for the used gripper.

Technical data

Description		UZH 64
ID		0300042
Max. adjustment travel	[mm]	33
Grid dimension	[mm]	1.5
Weight	[g]	110
Max. permissible loading torque	[Nm]	16
Max. permissible force F_x	[N]	300

① The slide of the UZH-S universal intermediate jaw is available from unit size 80 as an individual component. Removal of the slide is not possible for smaller sizes.

UZH 64 universal intermediate jaw



- | | |
|--------------------------------------|---|
| ① Gripper connection | ⑤7 Locking |
| ② Finger connection | ⑦2 Fit for centering sleeves |
| ⑤4 Optional right or left connection | ⑧0 Depth of the centering sleeve hole in the counter part |

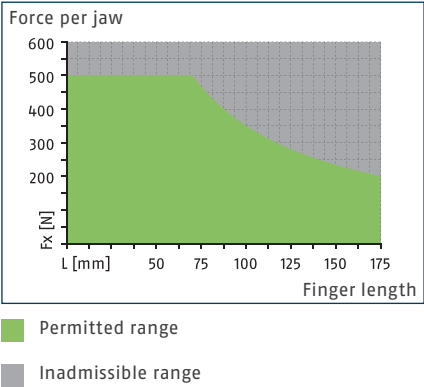
The drawing shows the UZH universal intermediate jaw.

UZH 80

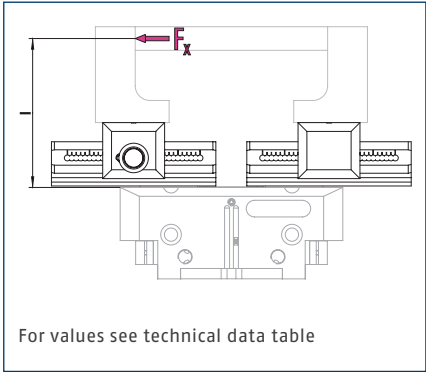
Universal intermediate jaw



Load diagram



Max. loads



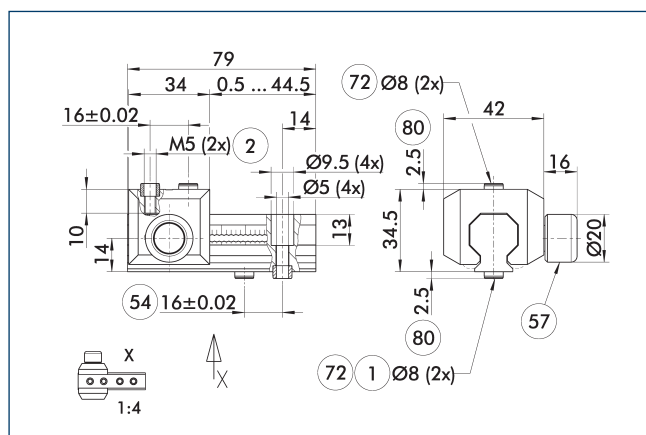
① The max. permissible moment of load ($M = F_x \cdot l$) resulting from the finger length (l), the force (F_x), and the occurring loads during application resulting from accelerations/torques must not be exceeded. The same applies to the max. permissible force F_x . Independently of this, attention needs to be paid to the max. permissible finger length and the permissible load values for the used gripper.

Technical data

Description		UZH 80
ID		0300043
Max. adjustment travel	[mm]	44
Grid dimension	[mm]	2
Weight	[g]	170
Max. permissible loading torque	[Nm]	35
Max. permissible force F_x	[N]	500
Technical data		
Description		UZH-S 80
ID		5518271
Weight	[g]	100

① The slide of the UZH-S universal intermediate jaw is available from unit size 80 as an individual component. Removal of the slide is not possible for smaller sizes.

UZF 80 universal intermediate jaw

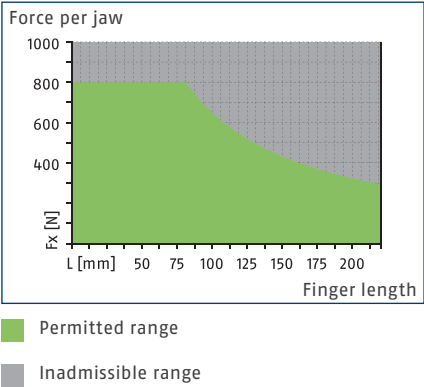


- | | |
|--------------------------------------|---|
| ① Gripper connection | ⑤7 Locking |
| ② Finger connection | ⑦2 Fit for centering sleeves |
| ⑤4 Optional right or left connection | ⑧0 Depth of the centering sleeve hole in the counter part |

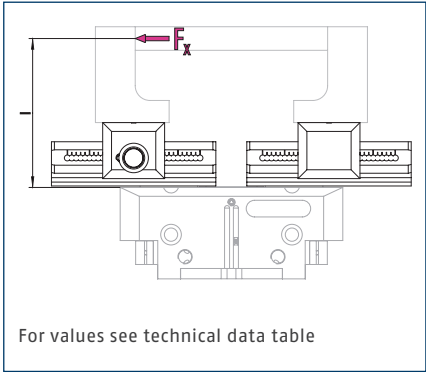
The drawing shows the UZB universal intermediate jaw. The fully removable UZB-S slide (can also be ordered separately) allows for a quick jaw change.



Load diagram



Max. loads



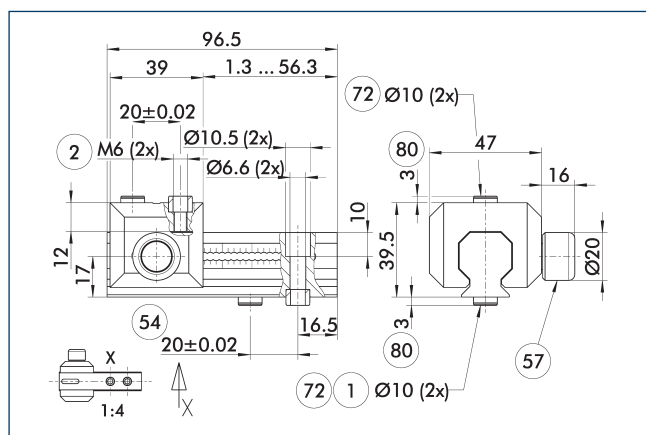
① The max. permissible moment of load ($M = F_x \cdot l$) resulting from the finger length (l), the force (F_x), and the occurring loads during application resulting from accelerations/torques must not be exceeded. The same applies to the max. permissible force F_x . Independently of this, attention needs to be paid to the max. permissible finger length and the permissible load values for the used gripper.

Technical data

Description		UZH 100
ID		0300044
Max. adjustment travel	[mm]	55
Grid dimension	[mm]	2.5
Weight	[g]	260
Max. permissible loading torque	[Nm]	65
Max. permissible force Fx	[N]	800
Technical data		
Description		UZH-S 100
ID		5518272
Weight	[g]	140

① The slide of the UZH-S universal intermediate jaw is available from unit size 80 as an individual component. Removal of the slide is not possible for smaller sizes.

UZH 100 universal intermediate jaw



- | | |
|--------------------------------------|---|
| ① Gripper connection | ⑤7 Locking |
| ② Finger connection | ⑦2 Fit for centering sleeves |
| ⑤4 Optional right or left connection | ⑧0 Depth of the centering sleeve hole in the counter part |

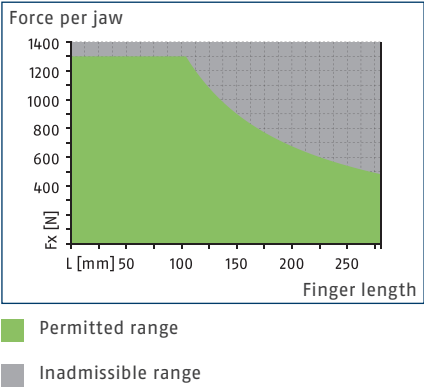
The drawing shows the UZB universal intermediate jaw. The fully removable UZB-S slide (can also be ordered separately) allows for a quick jaw change.

UZH 125

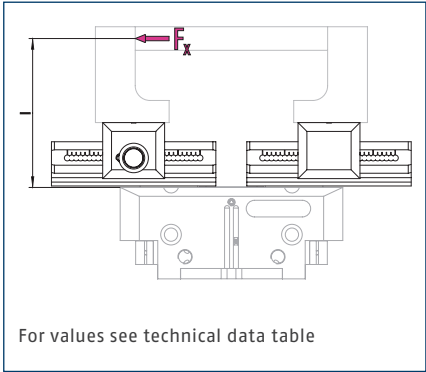
Universal intermediate jaw



Load diagram



Max. loads



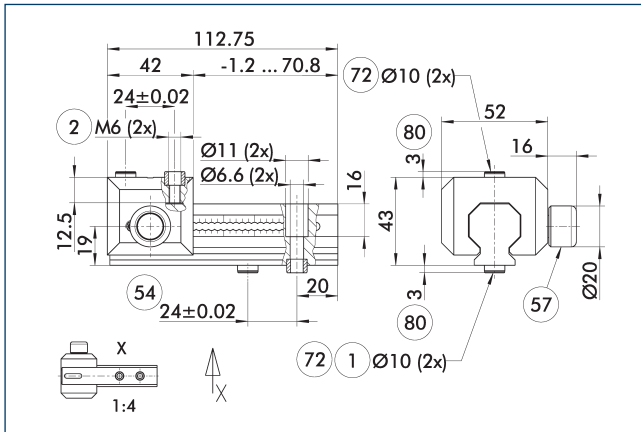
① The max. permissible moment of load ($M = F_x \cdot l$) resulting from the finger length (l), the force (F_x), and the occurring loads during application resulting from accelerations/torques must not be exceeded. The same applies to the max. permissible force F_x . Independently of this, attention needs to be paid to the max. permissible finger length and the permissible load values for the used gripper.

Technical data

Description		UZH 125
ID		0300045
Max. adjustment travel	[mm]	72.1
Grid dimension	[mm]	3
Weight	[g]	350
Max. permissible loading torque	[Nm]	135
Max. permissible force F_x	[N]	1300
Technical data		
Description		UZH-S 125
ID		5518273
Weight	[g]	180

① The slide of the UZH-S universal intermediate jaw is available from unit size 80 as an individual component. Removal of the slide is not possible for smaller sizes.

UZH 125 universal intermediate jaw



- | | |
|--------------------------------------|---|
| ① Gripper connection | ⑤7 Locking |
| ② Finger connection | ⑦2 Fit for centering sleeves |
| ⑤4 Optional right or left connection | ⑧0 Depth of the centering sleeve hole in the counter part |

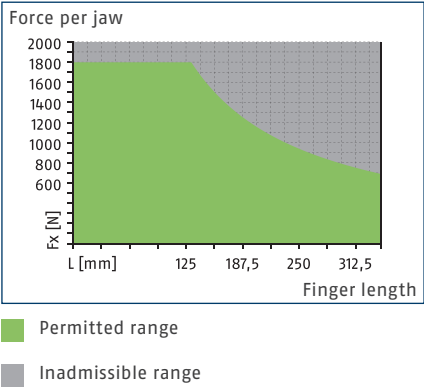
The drawing shows the UZH universal intermediate jaw. The fully removable UZH-S slide (can also be ordered separately) allows for a quick jaw change.

UZH 160

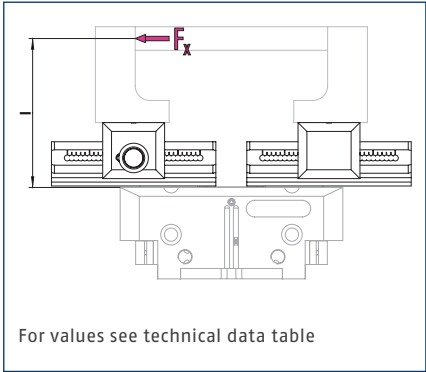
Universal intermediate jaw



Load diagram



Max. loads



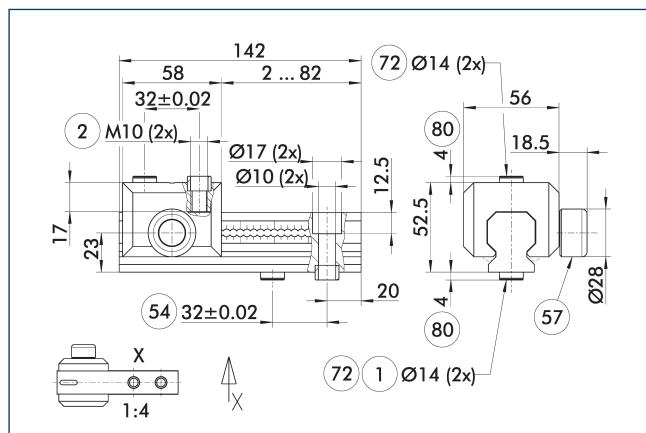
① The max. permissible moment of load ($M = F_x \cdot l$) resulting from the finger length (l), the force (F_x), and the occurring loads during application resulting from accelerations/torques must not be exceeded. The same applies to the max. permissible force F_x . Independently of this, attention needs to be paid to the max. permissible finger length and the permissible load values for the used gripper.

Technical data

Description		UZH 160
ID		0300046
Max. adjustment travel	[mm]	79
Grid dimension	[mm]	4
Weight	[g]	620
Max. permissible loading torque	[Nm]	235
Max. permissible force F_x	[N]	1800
Technical data		
Description		UZH-S 160
ID		5518274
Weight	[g]	300

① The slide of the UZH-S universal intermediate jaw is available from unit size 80 as an individual component. Removal of the slide is not possible for smaller sizes.

UZH 160 universal intermediate jaw



- | | |
|--------------------------------------|---|
| ① Gripper connection | ⑤⑦ Locking |
| ② Finger connection | ⑦② Fit for centering sleeves |
| ⑤④ Optional right or left connection | ⑧① Depth of the centering sleeve hole in the counter part |

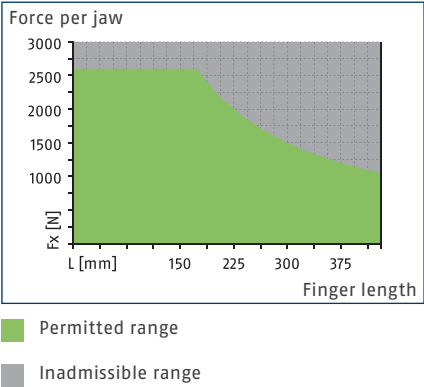
The drawing shows the UZH universal intermediate jaw. The fully removable UZH-S slide (can also be ordered separately) allows for a quick jaw change.

UZH 200

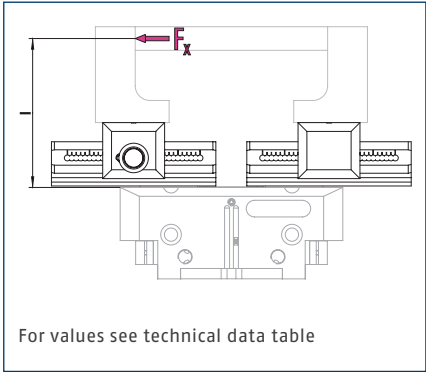
Universal intermediate jaw



Load diagram



Max. loads



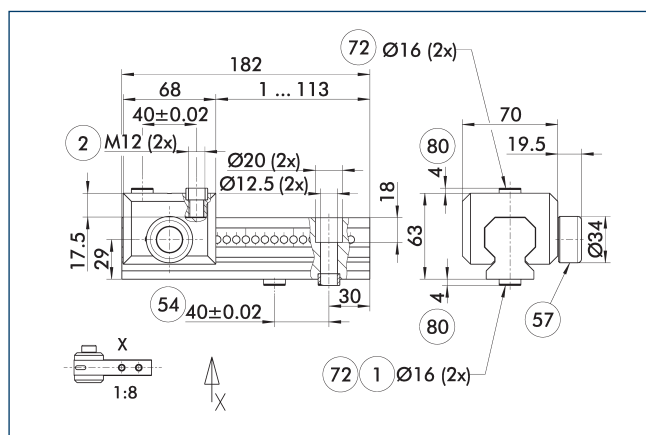
① The max. permissible moment of load ($M = F_x \cdot l$) resulting from the finger length (l), the force (F_x), and the occurring loads during application resulting from accelerations/torques must not be exceeded. The same applies to the max. permissible force F_x . Independently of this, attention needs to be paid to the max. permissible finger length and the permissible load values for the used gripper.

Technical data

Description		UZH 200
ID		0300047
Max. adjustment travel	[mm]	111
Grid dimension	[mm]	7
Weight	[g]	1180
Max. permissible loading torque	[Nm]	450
Max. permissible force F_x	[N]	2600
Technical data		
Description		UZH-S 200
ID		5518275
Weight	[g]	520

① The slide of the UZH-S universal intermediate jaw is available from unit size 80 as an individual component. Removal of the slide is not possible for smaller sizes.

UZH 200 universal intermediate jaw



- | | |
|--------------------------------------|---|
| ① Gripper connection | ⑤7 Locking |
| ② Finger connection | ⑦2 Fit for centering sleeves |
| ⑤4 Optional right or left connection | ⑧0 Depth of the centering sleeve hole in the counter part |

The drawing shows the UZB universal intermediate jaw. The fully removable UZB-S slide (can also be ordered separately) allows for a quick jaw change.



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