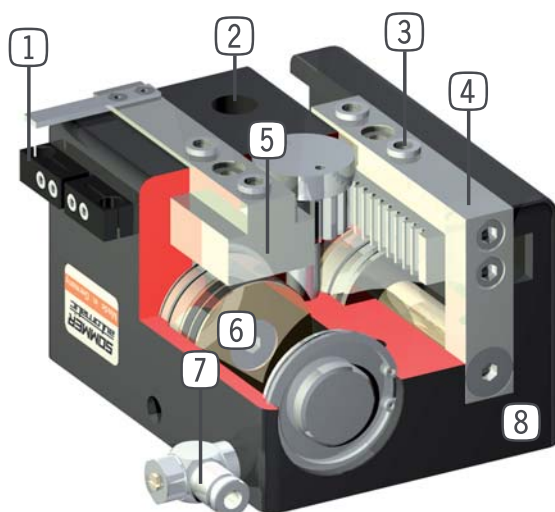
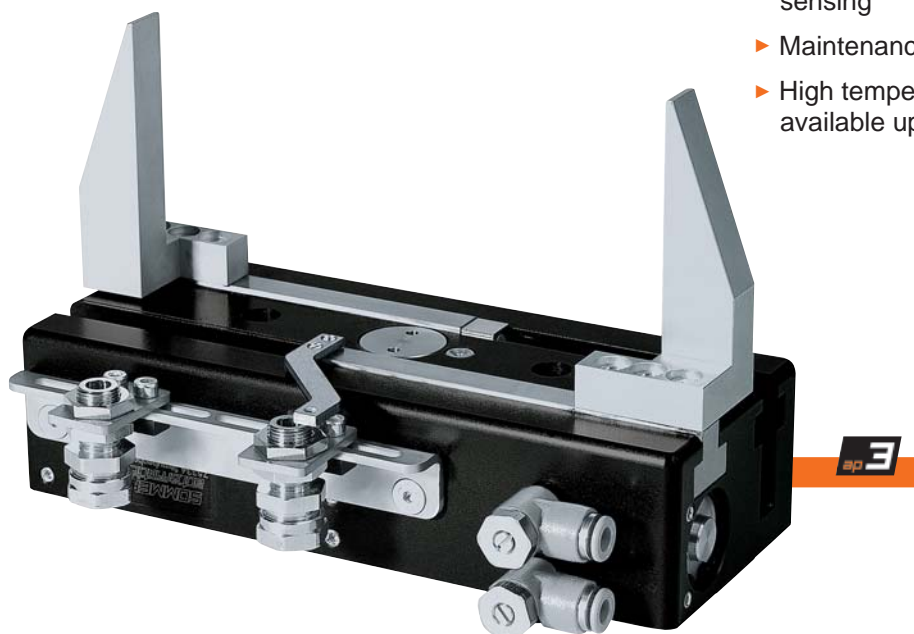


**Product information:**

- ▶ Direct drive synchronized via gear wheel
- ▶ T-slot guide for maximum forces and moments capacity
- ▶ High precision due to low play guide
- ▶ Process safe due to direct gripper jaw position sensing
- ▶ Maintenance free up to 10 million cycles
- ▶ High temperature resistant version (up to 150°C) available upon request

**Design:**

- ① **Mounting block**
  - mounting for inductive proximity switch
- ② **Mounting and positioning**
  - mounting possible from several sides for versatile positioning
- ③ **Removable centering sleeve**
  - quick and cost-effective gripper finger positioning
- ④ **Gripping jaw**
  - individual gripper finger mounting
- ⑤ **Precise long T-slot guides**
  - high forces and moments capacity
- ⑥ **Drive**
  - two double-acting pneumatic cylinders
  - synchronized by gearwheel
- ⑦ **Energy supply**
  - air connection available on several sides
  - CAUTION: always operate long stroke gripper with supplied exhaust air flow control valve (speed regulation)
- ⑧ **Robust, lightweight housing**
  - hard coated anodized aluminium alloy

## Design with position clamping of the gripper jaws in case of pressure drop

### Series GH6000 with clamping element:

#### Clamping element

- ▶ highest retention force at compact design

#### Standard gripper

- ▶ except for side screw-on option, all dimensions match the series GH6000



**Series GH6000:** retains position when drop of pressure (GHK)

### Versions:

e.g.: **GH**       - **B**

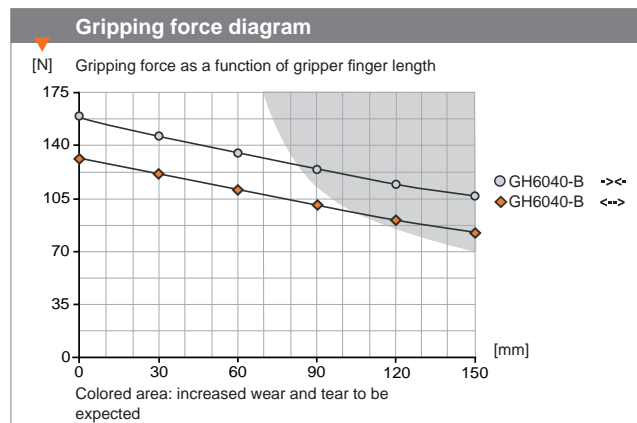
<p><b>K</b> ▶ Clamping element (not available for installation sizes 6000)</p>	<p><b>60</b> ▶ Installation sizes 6000  <b>61</b> ▶ Installation sizes 6100  <b>62</b> ▶ Installation sizes 6200  <b>63</b> ▶ Installation sizes 6300  <b>64</b> ▶ Installation sizes 6400</p>	<p><b>40</b> ▶ Stroke 40  <b>60</b> ▶ Stroke 60  <b>80</b> ▶ Stroke 80  <b>100</b> ▶ Stroke 100  <b>150</b> ▶ Stroke 150  <b>200</b> ▶ Stroke 200</p>
--	--	---

▶ Installation size: **GH6040**

Dimension			Forces and moments			
B [mm]	H [mm]	T [mm]	Mr [Nm]	Mx [Nm]	My [Nm]	Fa [N]
110	30	48	35	35	35	500

Technical Data*				
Order no.	Stroke per Jaw [mm]	Weight [kg]	Gripping force [N]	
			closing	opening
<b>GH6040-B</b>	40	0.472	155	130

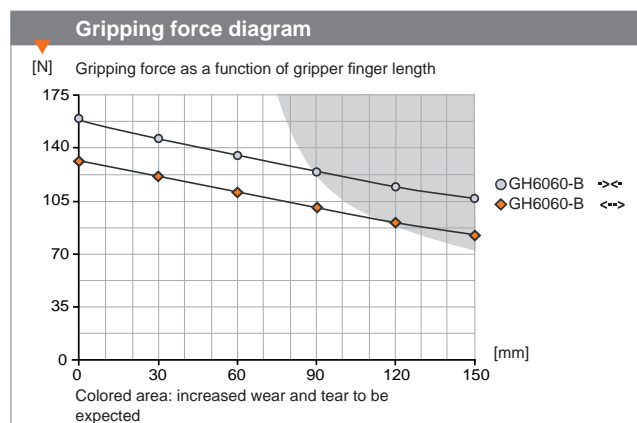


▶ Installation size: **GH6060**

Dimension			Forces and moments			
B [mm]	H [mm]	T [mm]	Mr [Nm]	Mx [Nm]	My [Nm]	Fa [N]
150	30	48	35	35	35	500

Technical Data*				
Order no.	Stroke per Jaw [mm]	Weight [kg]	Gripping force [N]	
			closing	opening
<b>GH6060-B</b>	60	0.606	155	130

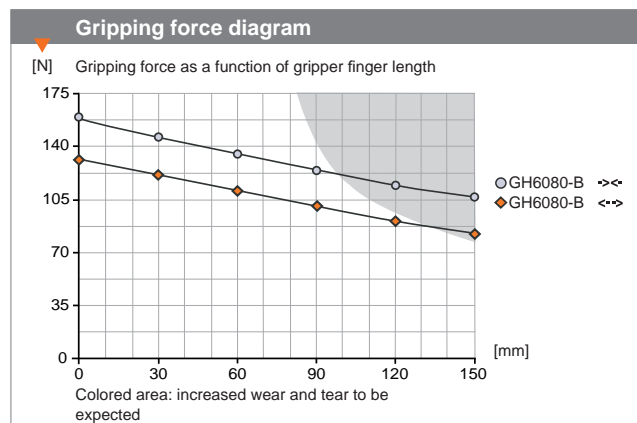


▶ Installation size: **GH6080**

Dimension			Forces and moments			
B [mm]	H [mm]	T [mm]	Mr [Nm]	Mx [Nm]	My [Nm]	Fa [N]
190	30	48	35	35	35	500

Technical Data*				
Order no.	Stroke per Jaw [mm]	Weight [kg]	Gripping force [N]	
			closing	opening
<b>GH6080-B</b>	80	0.745	155	130

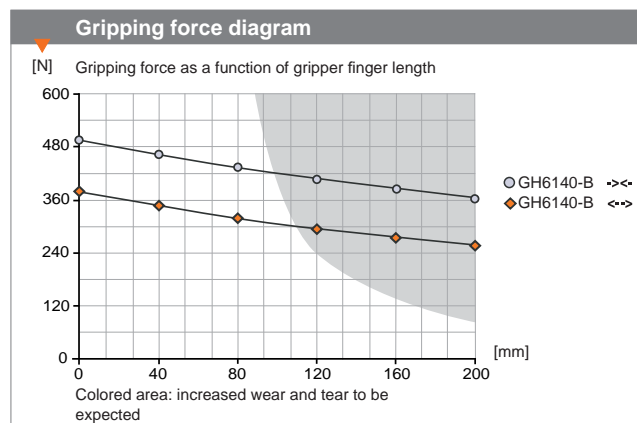


▶ Installation size: **GH6140**

Dimension			Forces and moments			
B [mm]	H [mm]	T [mm]	Mr [Nm]	Mx [Nm]	My [Nm]	Fa [N]
120	50	80	70	100	60	1500

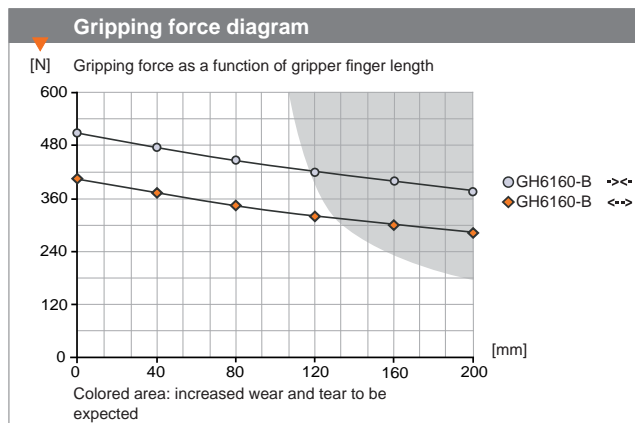
Technical Data*				
Order no.	Stroke per Jaw [mm]	Weight [kg]	Gripping force [N]	
			closing	opening
<b>GH6140-B</b>	40	1.5	490	370
<b>GHK6140</b>	40	1.7	490	370



► Installation size: **GH6160**

Dimension			Forces and moments			
B [mm]	H [mm]	T [mm]	Mr [Nm]	Mx [Nm]	My [Nm]	Fa [N]
160	50	80	70	100	60	1500

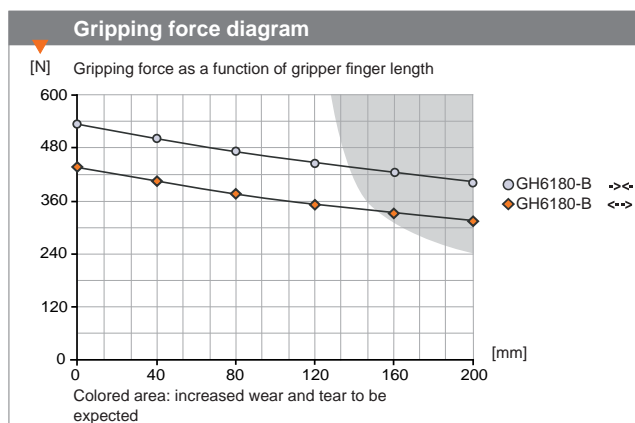
Technical Data*				
Order no.	Stroke per Jaw [mm]	Weight [kg]	Gripping force [N]	
			closing	opening
<b>GH6160-B</b>	60	1.9	510	400
<b>GHK6160</b>	60	2.1	510	400



► Installation size: **GH6180**

Dimension			Forces and moments			
B [mm]	H [mm]	T [mm]	Mr [Nm]	Mx [Nm]	My [Nm]	Fa [N]
200	50	80	70	100	60	1500

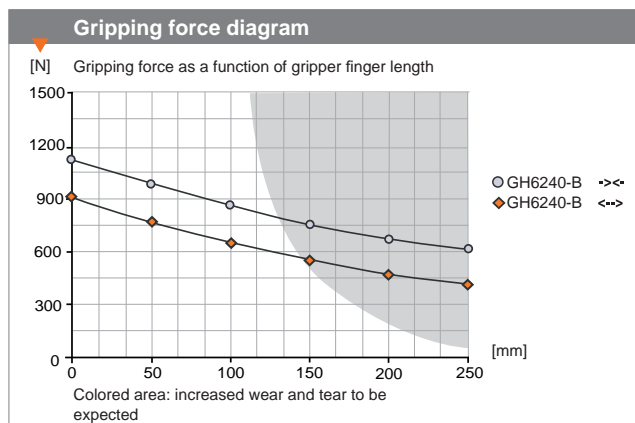
Technical Data*				
Order no.	Stroke per Jaw [mm]	Weight [kg]	Gripping force [N]	
			closing	opening
<b>GH6180-B</b>	80	2.2	530	430
<b>GHK6180</b>	80	2.4	530	430



► Installation size: **GH6240**

Dimension			Forces and moments			
B [mm]	H [mm]	T [mm]	Mr [Nm]	Mx [Nm]	My [Nm]	Fa [N]
130	80	100	100	125	80	3000

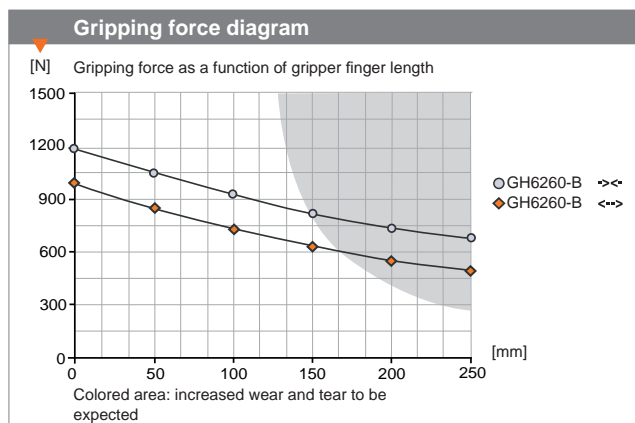
Technical Data*				
Order no.	Stroke per Jaw [mm]	Weight [kg]	Gripping force [N]	
			closing	opening
<b>GH6240-B</b>	40	3.3	1120	900
<b>GHK6240</b>	40	3.8	1120	900



► Installation size: **GH6260**

Dimension			Forces and moments			
B [mm]	H [mm]	T [mm]	Mr [Nm]	Mx [Nm]	My [Nm]	Fa [N]
170	80	100	100	125	80	3000

Technical Data*				
Order no.	Stroke per Jaw [mm]	Weight [kg]	Gripping force [N]	
			closing	opening
<b>GH6260-B</b>	60	4.1	1200	980
<b>GHK6260</b>	60	4.6	1200	980

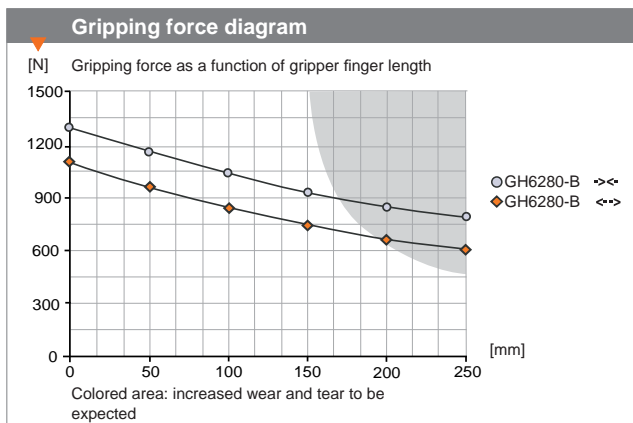


\* All data measured at 6 bar

► Installation size: **GH6280**

Dimension			Forces and moments			
B [mm]	H [mm]	T [mm]	Mr [Nm]	Mx [Nm]	My [Nm]	Fa [N]
210	80	100	100	125	80	3000

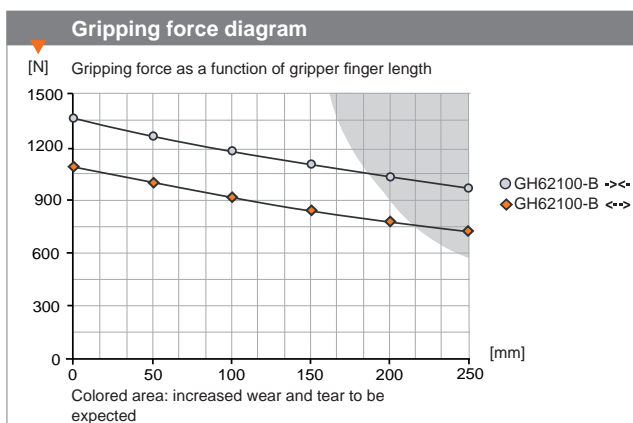
Technical Data*				
Order no.	Stroke per Jaw [mm]	Weight [kg]	Gripping force [N]	
			closing	opening
<b>GH6280-B</b>	80	4.8	1280	1100
<b>GHK6280</b>	80	5.3	1280	1100



► Installation size: **GH62100**

Dimension			Forces and moments			
B [mm]	H [mm]	T [mm]	Mr [Nm]	Mx [Nm]	My [Nm]	Fa [N]
250	80	100	100	125	80	3000

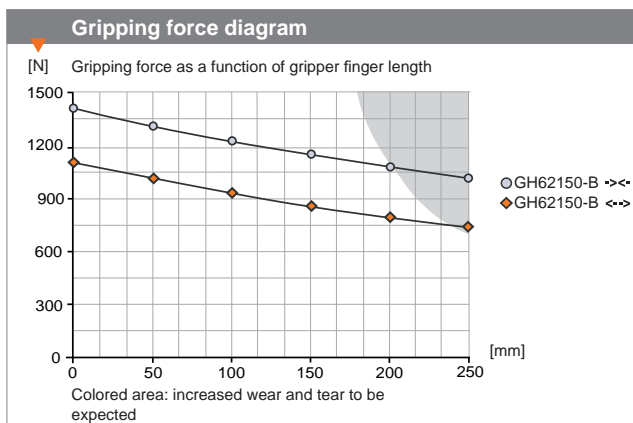
Technical Data*				
Order no.	Stroke per Jaw [mm]	Weight [kg]	Gripping force [N]	
			closing	opening
<b>GH62100-B</b>	100	5.6	1350	1100
<b>GHK62100</b>	100	6.1	1350	1100



► Installation size: **GH62150**

Dimension			Forces and moments			
B [mm]	H [mm]	T [mm]	Mr [Nm]	Mx [Nm]	My [Nm]	Fa [N]
350	80	100	100	125	80	3000

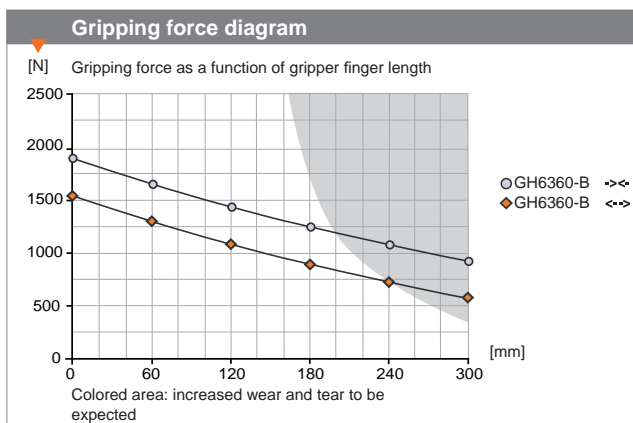
Technical Data*				
Order no.	Stroke per Jaw [mm]	Weight [kg]	Gripping force [N]	
			closing	opening
<b>GH62150-B</b>	150	7.5	1400	1100
<b>GHK62150</b>	150	8	1400	1100



► Installation size: **GH6360**

Dimension			Forces and moments			
B [mm]	H [mm]	T [mm]	Mr [Nm]	Mx [Nm]	My [Nm]	Fa [N]
185	101.5	120	160	190	130	3800

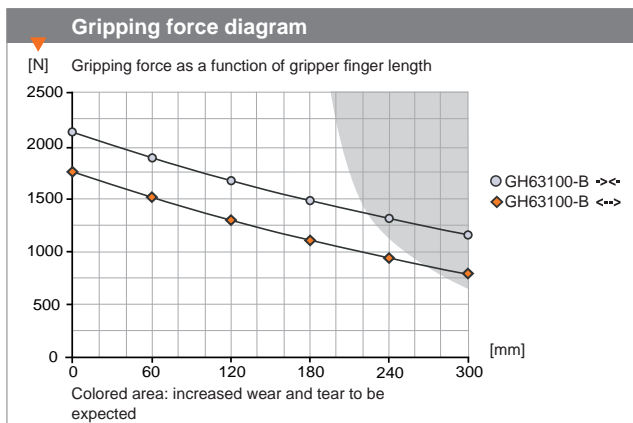
Technical Data*				
Order no.	Stroke per Jaw [mm]	Weight [kg]	Gripping force [N]	
			closing	opening
<b>GH6360-B</b>	60	7	1840	1520
<b>GHK6360</b>	60	7.5	1840	1520



► Installation size: **GH63100**

Dimension			Forces and moments			
B [mm]	H [mm]	T [mm]	Mr [Nm]	Mx [Nm]	My [Nm]	Fa [N]
265	101.5	120	220	260	180	3800

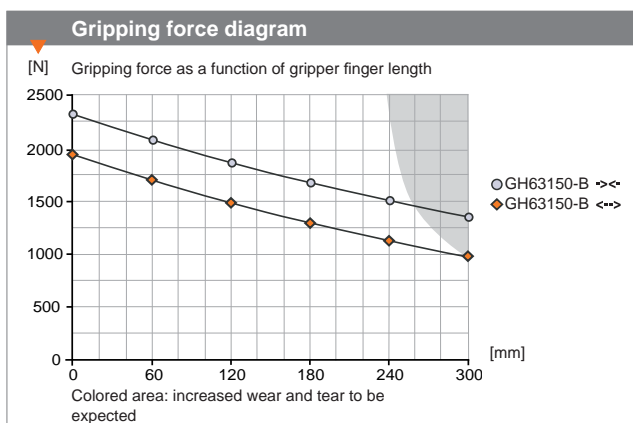
Technical Data*				
Order no.	Stroke per Jaw [mm]	Weight [kg]	Gripping force [N]	
			closing	opening
<b>GH63100-B</b>	100	9.1	2100	1700
<b>GHK63100</b>	100	9.6	2100	1700



► Installation size: **GH63150**

Dimension			Forces and moments			
B [mm]	H [mm]	T [mm]	Mr [Nm]	Mx [Nm]	My [Nm]	Fa [N]
365	101.5	120	250	290	220	3800

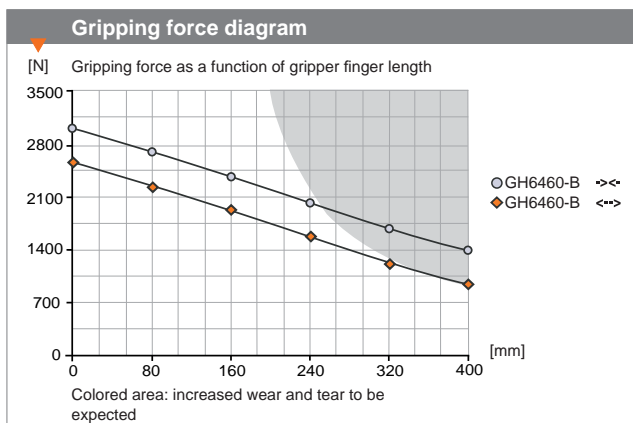
Technical Data*				
Order no.	Stroke per Jaw [mm]	Weight [kg]	Gripping force [N]	
			closing	opening
<b>GH63150-B</b>	150	10.5	2270	1900
<b>GHK63150</b>	150	11	2270	1900



► Installation size: **GH6460**

Dimension			Forces and moments			
B [mm]	H [mm]	T [mm]	Mr [Nm]	Mx [Nm]	My [Nm]	Fa [N]
185	121.5	154	250	300	200	9000

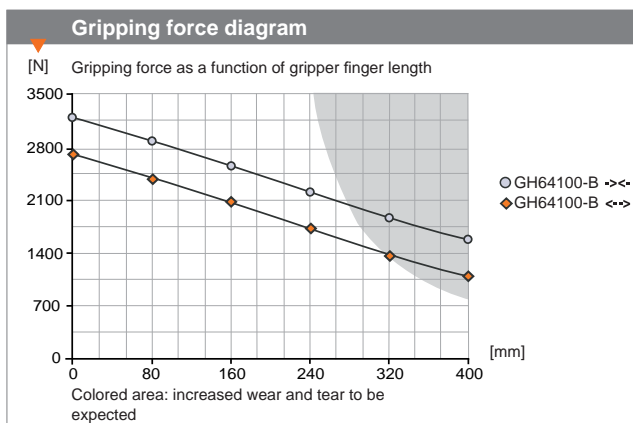
Technical Data*				
Order no.	Stroke per Jaw [mm]	Weight [kg]	Gripping force [N]	
			closing	opening
<b>GH6460-B</b>	60	10.4	3000	2600
<b>GHK6460</b>	60	11.5	3000	2600



► Installation size: **GH64100**

Dimension			Forces and moments			
B [mm]	H [mm]	T [mm]	Mr [Nm]	Mx [Nm]	My [Nm]	Fa [N]
265	121.5	154	250	300	200	9000

Technical Data*				
Order no.	Stroke per Jaw [mm]	Weight [kg]	Gripping force [N]	
			closing	opening
<b>GH64100-B</b>	100	13.7	3200	2700
<b>GHK64100</b>	100	14.8	3200	2700



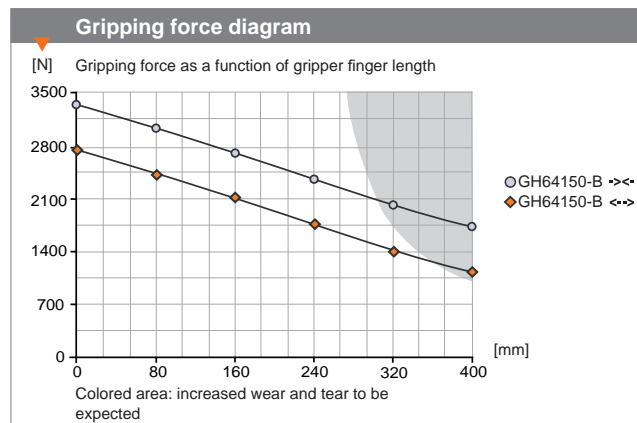
\* All data measured at 6 bar

▶ Installation size: **GH64150**

Dimension			Forces and moments			
B [mm]	H [mm]	T [mm]	Mr [Nm]	Mx [Nm]	My [Nm]	Fa [N]
365	121.5	154	250	300	200	9000

Technical Data*				
Order no.	Stroke per Jaw [mm]	Weight [kg]	Gripping force [N]	
			closing	opening
<b>GH64150-B</b>	150	18.3	3300	2780
<b>GHK64150</b>	150	19.4	3300	2780

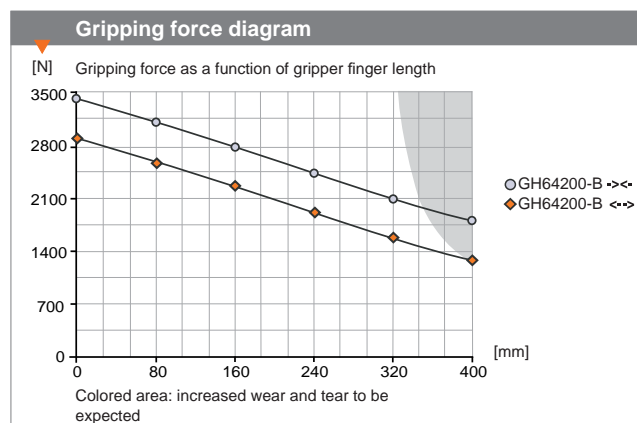


▶ Installation size: **GH64200**

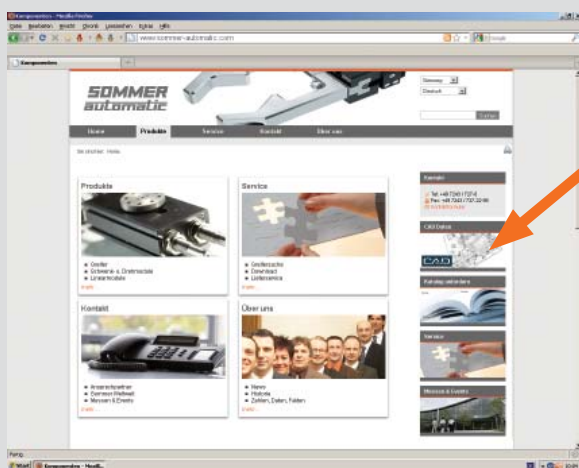
Dimension			Forces and moments			
B [mm]	H [mm]	T [mm]	Mr [Nm]	Mx [Nm]	My [Nm]	Fa [N]
465	121.5	154	250	300	200	9000

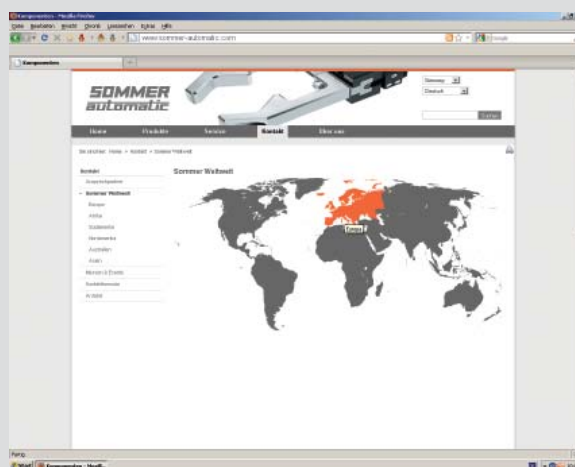
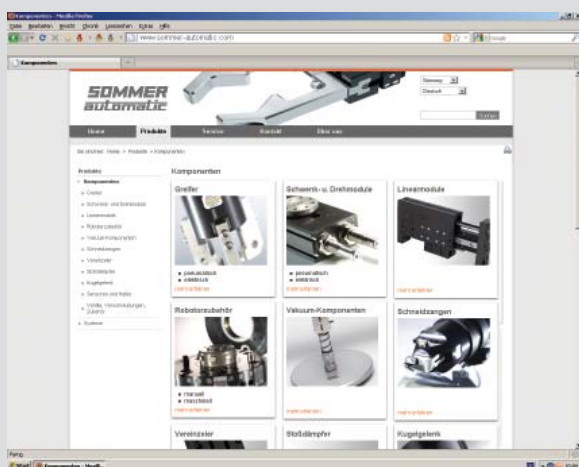
Technical Data*				
Order no.	Stroke per Jaw [mm]	Weight [kg]	Gripping force [N]	
			closing	opening
<b>GH64200-B</b>	200	22.7	3400	2.900
<b>GHK64200</b>	200	23.8	3400	2900



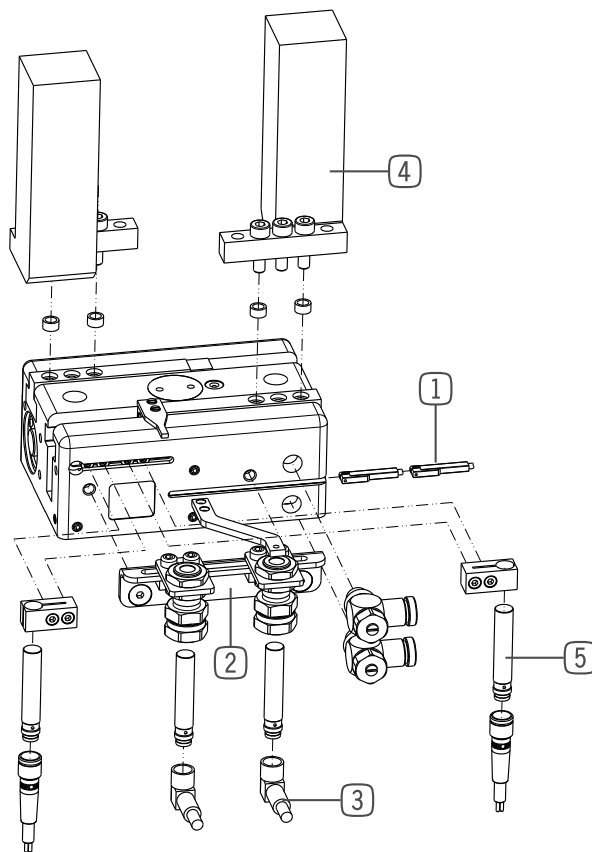
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### Recommended accessories:

#### ① Magnetic field sensor

Version: Angled / Cable 5 m	
To match	<b>Order no.:</b>
all	<b>MFS103KHC</b>
Version: Straight / Cable 5 m	
To match	<b>Order no.:</b>
all	<b>MFS204KHC</b>
Version: Angled / Cable 0.3 m / Connector M8	
To match	<b>Order no.:</b>
all	<b>MFS103SKHC</b>
Version: Straight / Cable 0.3 m / Connector M8	
To match	<b>Order no.:</b>
all	<b>MFS204SKHC</b>

#### ② Alternative proximity switch bracket

To match	<b>Order no.:</b>
GH6140	<b>KHA6140-B-8</b>
GH6160	<b>KHA6160-B-8</b>
GH6180	<b>KHA6180-B-8</b>
GH6240	<b>KHA6240-B-8</b>
GH6260	<b>KHA6260-B-8</b>
GH6280	<b>KHA6280-B-8</b>
GH62100	<b>KHA62100-B-8</b>
GH62150	<b>KHA62150-B-8</b>
GH6360	<b>KHA6360-B-8</b>
GH63100	<b>KHA63100-B-8</b>
GH63150	<b>KHA63150-B-8</b>
GH6460	<b>KHA6460-B-8</b>
GH64100	<b>KHA64100-B-8</b>
GH64150	<b>KHA64150-B-8</b>
GH64200	<b>KHA64200-B-8</b>

#### ③ Plug-in connector

Version: Angled / Cable 5 m / Socket M8 (female)	
To match	<b>Order no.:</b>
all	<b>KAW500</b>
Version: Straight / Cable 5 m / Socket M8 (female)	
To match	<b>Order no.:</b>
all	<b>KAG500</b>

#### ④ Universal jaw set

Version: Aluminium	
To match	<b>Order no.:</b>
GH6040	<b>UB6000-B</b>
GH6060	<b>UB6000-B</b>
GH6080	<b>UB6000-B</b>
GH6140	<b>UB6100-B</b>
GH6160	<b>UB6100-B</b>
GH6180	<b>UB6100-B</b>
GH6240	<b>UB6200-B</b>
GH6260	<b>UB6200-B</b>
GH6280	<b>UB6200-B</b>
GH62100	<b>UB6200-B</b>
GH62150	<b>UB6200-B</b>

### 5 Inductive proximity switch

Version: Cable 5 m	
To match	Order no.:
GH6040	NJ6.5-E2-01
GH6060	NJ6.5-E2-01
GH6080	NJ6.5-E2-01
GH6140	NJ8-E2
GH6160	NJ8-E2
GH6180	NJ8-E2
GH6240	NJ8-E2
GH6260	NJ8-E2
GH6280	NJ8-E2
GH62100	NJ8-E2
GH62150	NJ8-E2
GH6360	NJ8-E2
GH63100	NJ8-E2
GH63150	NJ8-E2
GH6460	NJ8-E2
GH64100	NJ8-E2
GH64150	NJ8-E2
GH64200	NJ8-E2
Version: Connector M8	
To match	Order no.:
GH6040	NJ6.5-E2S
GH6060	NJ6.5-E2S
GH6080	NJ6.5-E2S
GH6140	NJ8-E2S
GH6160	NJ8-E2S
GH6180	NJ8-E2S
GH6240	NJ8-E2S
GH6260	NJ8-E2S
GH6280	NJ8-E2S
GH62100	NJ8-E2S
GH62150	NJ8-E2S
GH6360	NJ8-E2S
GH63100	NJ8-E2S
GH63150	NJ8-E2S
GH6460	NJ8-E2S
GH64100	NJ8-E2S
GH64150	NJ8-E2S
GH64200	NJ8-E2S

### Supplementary accessories:

#### Pressure safety valve

To match	Order no.:
all	DSV1/8

#### Plug-in conversion connector

Version: Straight / 3-pole / Connector M8	
To match	Order no.:
all	S8-G-3
Version: Straight / 3-pole / Connector M12	
To match	Order no.:
all	S12-G-3