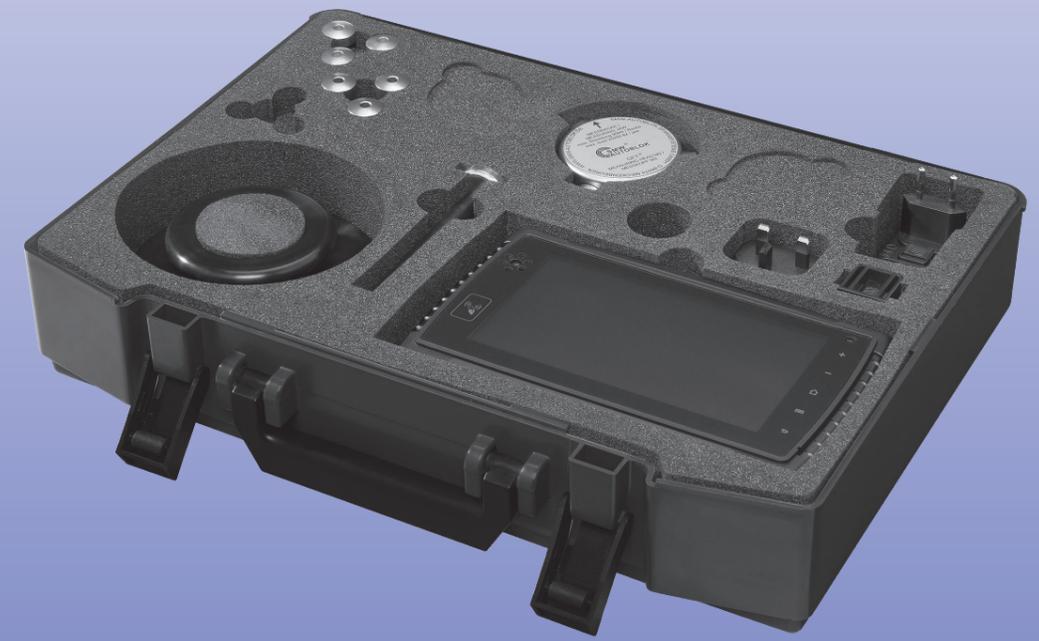


MULTI DEVICE

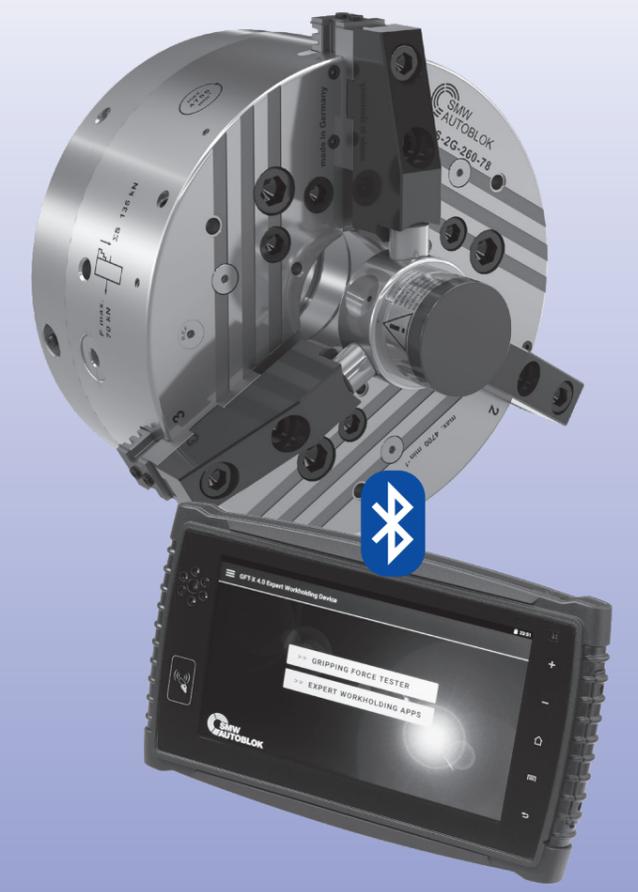
Gripping Force Tester GFT-X 4.0

Wireless gripping force and speed measuring of jaw chucks and collet chucks in dynamic or static measuring mode.



Features GFT-X 4.0

- **Wireless data transfer** from measuring head to table via Bluetooth for the measuring of dynamic and static clamping forces and speed (with included bracket)
- **Built-in camera** in tablet
- **Assistance systems:** Manuals, Jaw Finder, Chuck Finder, Technical calculations
- **Rechargeable battery**, operation time in use: 8h
- **Smart user interface**
- Tablet suitable for **industrial use** (Protection class IP 67)
- **Display** kN or lbf
- **Languages:** German, English, Italian, Spanish, Russian, Chinese and Japanese
- **Measured clamping forces can be evaluated** by the integrated software or by the display software on Laptop / PC
- **4 Measuring heads** for jaw chucks and **2 Measuring heads** for collet chucks



Gripping force tester – GFT-X 4.0 with measuring head



Measuring heads

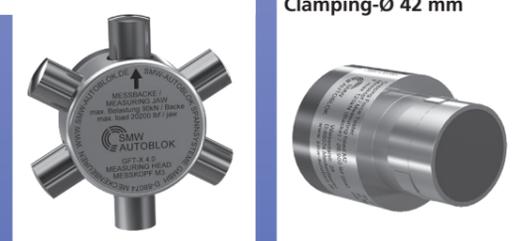
M3/M4
Measuring heads for jaw chucks
Clamping-Ø 72 to 108 mm



Measuring head convertible for 2 and 3 jaws

Measuring head	Range/gripping force	
	2 Jaws	3 Jaws
M3	0 to 180 kN Id. No. 207074	0 to 270 kN
M4	0 to 30 kN Id. No. 207259	0 to 45 kN

M2
Measuring head for collet chucks
Clamping-Ø 42 mm



Separate measuring head for 2, 3 and 6 jaws

Measuring head	Range/gripping force
	6 Jaws
M3-6	0 to 270 kN Id.No. 207586
M4-6	0 to 45 kN Id.No. 207587

M1
Measuring head for collet chucks
Clamping-Ø 18 mm



For collets with 3 segments

Measuring head	Range/gripping force
M1	0 to 75 kN Id. No. 207257

GFT-X 4.0

Gripping Force Tester

Expert Multi Device

- Technical data
- Ordering review

Standard equipment with GFT-X 4.0

Case with:

- Large Multi Device Tablet
- Measuring head M3 (2 and 3 jaws) for jaw chucks with extensions and loading device
- Torx-key T15 and spare screws
- Bracket with magnet for measuring of speed
- Loading cable with USB port
- USB cable for Tablet
- Adapter for USA, UK and Southern Europe



Ordering data

GFT-X 4.0 case incl. Tablet, Measuring head M3 (2 and 3 jaws) Id. No. 206844

Option:

Measuring head M1 (for collet chucks) Id. No. 207257
 Measuring head M2 (for collet chucks) Id. No. 207258
 Measuring head M3 (2 and 3 jaws) Id. No. 207074
 Measuring head M4 (2 and 3 jaws, high-precision) Id. No. 207259
 Measuring head M3 (6 jaws) Id. No. 207586
 Measuring head M4 (6 jaws, high-precision) Id. No. 207587

Display software PC/ Laptop

- The data transfer is via an USB interface.
- The software can be run under all standard windows systems.

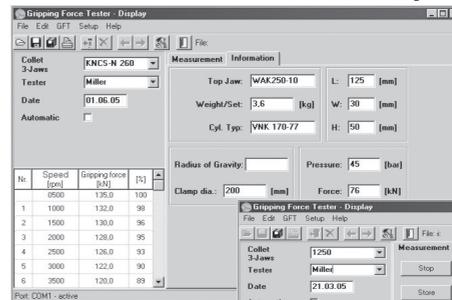
Input

- Automatic measuring of the data (gripping force - speed)
- The number of measuring steps can be programmed free.

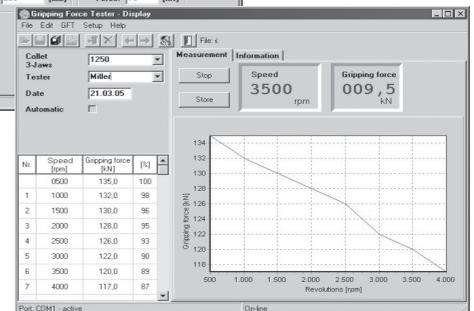
Output

- Table gripping force / speed
- Diagram gripping force / speed

Input



Output



Technical data

Tablet	
Display/ Grip force F – speed	Display in kN/lbf - r.p.m
Data transfer	Bluetooth 4.0
Power supply/ Transformer	100/ 240 V AC, 50 to 60 Hz
Distance Tablet/ Measuring head	1-4 m (appr.)
Interface PC/ Laptop	USB 2.0
Operating temp.	0 to 40° (32°C-100 °F)
Protection class	IP 67

Warning: Machine door must be closed while measuring head is rotating!

	Measuring head M1	Measuring head M2	Measuring head M3	Measuring head M4
Application	collet Ø 18	collet Ø 42	chuck 2/3 or 2/3/6 jaws	
Clamping diameter	18 mm	42 mm	72 to 108 mm	72 to 108 mm
No. of jaws	collet 3 x slotted	collet 3 x slotted	2 and 3 jaws / 6 jaws	
Power supply	internal rechargeable capacitor			
Capacity of power supply	ca. 1.5 h at 50 % d.c.			
Data transfer	Bluetooth 4.0			
Range/gripping force F max.	0 to 75 kN	0 to 120 kN	0 to 180 kN (2-jaws) 0 to 270 kN (3/6-jaws)	0 to 30 kN (2-jaws) 0 to 45 kN (3/6-jaws)
Speed r.p.m	<10.000 r.p.m.	<8.000 r.p.m.	<6.000 r.p.m.	<6.000 r.p.m.
Accuracy (F/r.p.m)	<5 %/<1 % fsr	<5 %/<1 % fsr	<3 %/<1 % fsr	<1.5 %/<1 % fsr