























For tension tests ≤ 500 N

	Long clamp for tension and rupture tests up to 50 N, Thread: M6	AC 17 2 pieces
	Angle bracket for tension and rupture tests up to 500 N (e.g. for cable tests), Thread: M6	AC 01 2 pieces
	Cable fixture for tension and rupture tests up to 500 N (like SAUTER AC 10, small version)	AC 10S*
	Fine point clamp for tension and rupture tests up to 500 N, width 15 mm, Thread: M6	AC 14 2 pieces
	Fine point clamp for tension and rupture tests up to 500 N, width 22 mm, Thread: M6	AC 22 2 pieces
	Ring fixture for tension and rupture tests up to 500 N, Thread: M6	AC 15*
	Screw tension clamp for 100 N for laboratory tensile force measurements, incl. Jaws with pyramid grip, Thread: M6	AD 9001 2 pieces 
	Screw tension clamp for 100 N for laboratory tensile force measurements, incl. Jaws with pyramid grip 1 with adapter structure for AD-system, 2 with M6 thread	AD 9005 2 pieces 
	Screw tension clamp for 100 N for laboratory tensile force measurements with collar joint and Jaws with pyramid grip	AD 9016 2 pieces 

For tension tests 500 N – 5000 N

	Thin film grip for tension tests up to 5 KN (e.g. textile, paper etc.), Thread: M6	AC 03 2 pieces
	Grip clamp for insertion and pull tests up to 5 KN, Thread: M6	AC 09 2 pieces
	Parallel jaw grip for tension and rupture tests up to 5 KN, Thread: M10	AC 12 2 pieces
	High capacity small clamp for tension and rupture tests up to 5 KN, Thread: M10	AC 16 2 pieces
	2 wide jaw grip for tension and extraction tests up to 5 KN, Thread: M10	AC 18 2 pieces

	Cable fixture for tension and rupture tests up to 5 KN	AC 10* 2 pieces
	Rolling-clamp for tension and rupture tests up to 5 KN, Thread: M10	AC 11 2 pieces
	1-jaw-clamp for tension and rupture tests up to 5 KN, Thread: M6	AC 13 2 pieces
	Eccentric roll clamps in particular for cable tests up to 5 KN, max. opening: 9 mm	AC 41
	Drum clamps typically for cable connector extraction tests up to 5 KN, for test objects with Ø from 1,5 mm up to 8 mm, Thread: M10	AC 42
	Flat clamp with ripple jaws Thread: M10 up to 10 KN: AC 31	AC 31
	Wide jaw clamp with fixed jaws with high-performance inner jaws out of steel, jaws with pyramid grip Thread: M10 up to 5 KN: AC 04 up to 10 KN: AC 37	AC 04 AC 37*
	Screw-in tension clamp for 1 KN, for tensile force tests, Jaws with pyramid grip	AD 9021 2 pieces 
	Screw-in tension clamp up to 1 KN, for tensile force tests, clamping width 50 mm, Jaws with pyramid grip	AD 9033 2 pieces 
	Screw-in tension clamp up to 1 KN, for tensile force tests, clamping width 30 mm, Jaws with pyramid grip	AD 9032 2 pieces 
	Screw-in tension clamp up to 2 KN, for tensile force tests, clamping width 20 mm, Jaws with pyramid grip	AD 9031 2 pieces 
	Screw-in tension clamp up to 2,5 KN, for tensile force tests, clamping width 10 mm, Jaws with pyramid grip	AD 9030 2 pieces 
	Screw-in tension clamp up to 5 KN, for tensile force tests, clamping width 30 mm, Jaws with pyramid grip	AD 9050 2 pieces 
	Screw-in tension clamp up to 5 KN, for tensile force tests, without quick-release lever, clamping width 50 mm, Jaws with pyramid grip	AD 9051 2 pieces 

! * ONLY WHILE STOCKS LAST

For tension tests 500 N – 5000 N



Screw-in tension clamp
up to 5 KN, for tensile force tests, with quick-release lever, clamping width 50 mm, Jaws with pyramid grip

AD 9052

2 pieces



Screw-in tension clamp
up to 5 KN, for tensile force tests, without quick-release lever, clamping width 15 mm, Jaws with pyramid grip

AD 9070

2 pieces



Screw-in tension clamp
up to 5 KN, for tensile force tests, with quick-release lever, clamping width 15 mm, Jaws with pyramid grip

AD 9076

2 pieces



Wedge tension clamp
up to 5 KN, for tensile force tests, builds up tensile force automatically by its wedge shape, range up to 10 mm, Jaws with pyramid grip

AD 9080

2 pieces



Rope and thread tension clamps
up to 1 KN, Suitable for wires up to a diameter of 2 mm, belts up to 7 mm wide. incl. jaws with rubberised surface

AD 9120

2 pieces



Rope and thread tension clamps
up to 5 KN, for clamping belts, ropes, wires, etc. Suitable for wires up to a diameter of 5 mm, belts up to 8 mm. Jaws with pyramid grip

AD 9121

2 pieces



Roller tension clamps
up to 1 KN, can clamp on one side and eccentrically. suitable for tensile force tests with belts or any other soft, flexible, flat material with a maximum sample thickness of 7 mm, incl. rollers with pyramid grip, the opposite clamping surface is smooth.
Suitable for test objects up to 50 mm width.

AD 9205

2 pieces



Roller tension clamps
up to 1 KN, can clamp on one side and eccentrically. Suitable for tensile force tests with belts or any other soft, flexible, flat material with a maximum sample thickness of 7 mm, incl. rollers with smooth surface, the opposite clamping surface is rubberised.
Suitable for test objects up to 50 mm width.

AD 9206

2 pieces



Roller tension clamps
up to 5 KN, symmetrisch und exzentrisch spannend. Suitable for tensile force tests with belts or any other soft, flexible, flat material with a maximum sample thickness of 7 mm, incl. rollers with pyramid grip

AD 9200

2 pieces



Roller tension clamps
up to 5 KN, can clamp on one side and eccentrically. Suitable for tensile force tests with belts or any other soft, flexible, flat material with a maximum sample thickness of 7 mm, incl. rollers with pyramid grip, the opposite clamping surface is smooth.
Suitable for test objects up to 50 mm width.

AD 9207

2 pieces



For tension tests > 5000 N



Quick clamp
for high capacity tensile tests up to 30 KN, max. opening: 8 mm, Thread: M10

AC 38



Wedge tension clamp
up to 10 KN, for tensile force tests, builds up tensile force automatically by its wedge shape, clamping width 10 mm, Jaws with pyramid grip

AD 9085

2 pieces



Wedge tension clamp
up to 10 KN, for tensile force tests, builds up tensile force automatically by its wedge shape, clamping width 10 mm, Jaws with pyramid grip

AD 9090

2 pieces



Wedge tension clamp
up to 20 KN, for tensile force tests, builds up tensile force automatically by its wedge shape, clamping width 13 mm, Jaws with pyramid grip

AD 9095

2 pieces



Wedge tension clamp
up to 50 KN, for tensile force tests, builds up tensile force automatically by its wedge shape, clamping width 13 mm, Jaws with pyramid grip

AD 9096

2 pieces



Wedge tension clamp
up to 20 KN, for tensile force tests, builds up tensile force automatically by its wedge shape, clamping width 10 mm, Jaws with pyramid grip

AD 9100

2 pieces



! * ONLY WHILE STOCKS LAST

For tension tests > 5000 N



Belt tension clamps
up to 10 KN, open at one end,
suitable for tensile force tests with
belts or any other soft, flexible, flat
materials with a maximum sample
thickness of 2,5 mm a test object
width up to 22 mm

AD 9250

2 pieces



Belt tension clamps
up to 20 KN,
suitable for tensile force tests with
belts or any other soft, flexible, flat
materials with a maximum sample
thickness of 2,5 mm a test object
width up to 80 mm

AD 9255

2 pieces



Belt tension clamps
up to 50 KN,
suitable for tensile force tests with
belts or any other soft, flexible, flat
materials with a maximum sample
thickness of 2,5 mm a test object
width up to 80 mm

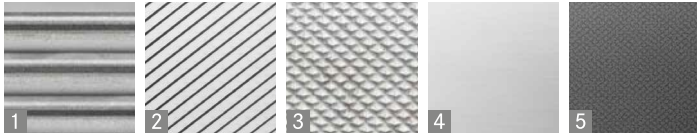
AD 9256

2 pieces



All premium clamps can be customised and, as an option, are available with the following types of jaw finish: **1** undulating, **2** wedge-shaped, **3** pyramid-shaped, **4** smooth or **5** rubberised.

For further information, please contact us or have a look in our webshop at www.sauter.eu



For compression tests > 500 N



Concave force sensor
with optimised radius for the
measurement particularly of
arms and legs up to 1 KN,
Thread: M6

AC 45



Flat square-shaped sensor
for lateral power sensing of back,
chest or arm up to 1 KN,
Thread: M6

AC 46



Round sensor
to measure particular muscle groups,
such as, for example,
the shoulder up to 1 KN,
inner thread: M6

AC 47

For compression tests > 500 N



Pressure disc
out of aluminium, thickness 10 mm,
for compression tests up to 5 KN,
diam. 110 mm, outer thread: M10

AFH 06

2 pieces



Pressure disc
for compression tests up to 5 KN
(e. g. plastics), Ø 49 mm,
inner thread: M10

AC 08

2 pieces



Stainless steel ball-shaped head
for compression and fracture tests
up to 5 KN, (e.g. foam, glass),
Thread: M6/M10

AC 02

2 pieces



Bending attachment for bending tests
for material tests to detect the bend
characteristics. Equipped with mirror to
observe the lower side of the material,
with three rounded, elongated bending
dies Ø 8, 12, 16 mm, mounted to swing
freely.

AC 51*

Ball bearing bending rollers



Small 3-point bending device (steel)
up to 10 KN,
central scale 80-0-80 mm.

AD 9300

Consisting of one support beam, two
support frames and a curved fin each
with permanently fixed radii, radius of
the fin 3,2 mm, radii of the support frames
3,2 + 5 mm, other radii on request. Gap
between the two support frames 4 - 150 mm.
Width of the brackets 30 mm



**Small 3-point bending device
(anodised aluminium)** up to 2,5 KN,
central scale 80-0-80 mm.

AD 9305

Consisting of one support beam, two
support frames and a curved fin each
with permanently fixed radii, radius of
the fin 3,2 mm, radii of the support frames
3,2 + 5 mm, other radii on request. Gap
between the two support frames 4 - 150 mm.
Width of the brackets 30 mm



Small 3-point bending device (steel)
up to 10 KN,
central scale 80-0-80 mm.

AD 9310

Consisting of one support beam, two
support frames and a curved fin with
interchangeable radii rollers, radius of
the fin 5 mm, radii of the support frames
5 + 10 mm, other radii on request. Gap
between the two support frames 4 - 150 mm.
Width of the brackets 30 mm



! * ONLY WHILE STOCKS LAST

For compression tests > 500 N



Small 3-point bending device (anodised aluminium) up to 2,5 KN, central scale 80-0-80 mm.
Consisting of one support beam, two support frames and a curved fin with interchangeable radii rollers, radius of the fin 5 mm, radii of the support frames 5 + 10 mm, other radii on request. Gap between the two support frames 4 – 150 mm. Width of the brackets 30 mm

AD 9315



Attachments



Standard attachments kit for all force gauges FA, FH, FL and FC, 10 – 500 N

AC 43

6 items



Standard attachments kit for force gauge FK 10 – 500 N

AC 430

6 items



Box supports made of aluminium, in particular for rectangular packaging Suitable for all TVM-N test stands, up to 5 KN

AC 50*

2 pieces



Tensiometer attachment optional for all FK models from FK 10 up to FK 250

FK-A01



Tensiometer attachment for high-capacity tensile strength tests up for FK 500 and FK 1K

FK-A02

Special solutions



Stainless steel handle bar with rubber grip for safe handling, AFH 04 suitable for FA, FH, FL AFK 02 suitable for FK

AFH 04

AFK 02



Stainless steel handle bar with rubber grip for FH with external sensor

AFH 05

Special solutions



Door tester Handle (length: 300 mm) and two round force receptor plates (Ø 85 mm) as an option to FH 1K up to FH 5K for the safe testing of clamping forces (not approved to DIN 18650 or similar), up to 5 KN

AFH 03



Tombstone tester for testing the stability of tombstones according to VSG 4.7 up to 500 N on the basis of FA (included), Option: ISO calibration 961-161

FA 500G



Tombstone tester for testing the stability of tombstones according to VSG 4.7 on the basis of FL, up to 500 N: FL 500G up to 1.000 N: FL 1KG Option: ISO calibration for FL 500G: 961-161 FL 1KG: 961-162

FL 500G

FL 1KG



Tombstone tester for testing the stability of tombstones according to VSG 4.7 up to 500 N, on the basis of FH up to 500 N: FH 500G Option: ISO calibration 961-161

FH 500G

Interface cables



RS 232 C PC connection cable from FH devices to PC as spare part

FH-A01



RS-232 to USB converter suitable for all balances and measuring instruments with RS-232 output, length about 0,95 m

AFH 12

Other



Carrying strap for easy and safe transportation of the tombstone tester during the testings































AC 35



Relais module Serves to amplify the output signal of the FH dynamometer to control direct actions

AFH 02

! * ONLY WHILE STOCKS LAST

	Adjusting program (CAL): For quick setting of the balance's accuracy. External adjusting weight required.		Data interface Infrared: To transfer data from the balance to a printer, PC or other peripheral devices.		Battery operation: Ready for battery operation. The battery type is specified for each device.
	Calibration block: standard for adjusting or correcting the measuring device.		Control outputs (optocoupler, digital I/O): to connect relays, signal lamps, valves, etc.		Rechargeable battery pack: rechargeable set.
	Peak hold function: capturing a peak value within a measuring process.		Analogue interface: to connect a suitable peripheral device for analogue processing of the measurements.		Mains adapter: 230V/50Hz in standard version for EU. On request GB, AUS or USA version available.
	Scan mode: continuous capture and display of measurements.		Statistics: using the saved values, the device calculates statistical data, such as average value, standard deviation etc.		Power supply: Integrated, 230V/50Hz in EU. More standards e.g. GB, AUS or USA on request.
	Push and Pull: the measuring device can capture tension and compression forces.		PC Software: to transfer the measurements from the device to a PC.		Motorised drive: The mechanical movement is carried out by a motorised drive.
	Length measurement: captures the geometric dimensions of a test object or the movement during a test process.		Printer: a printer can be connected to the device to print out the measurements.		Fast-Move: the total length of travel can be covered by a single lever movement.
	Focus function: increases the measuring accuracy of a device within a defined measuring range.		GLP/ISO record keeping: of measurements with date, time and serial number. Only with SAUTER printers.		ISO Calibration: The time required for ISO calibration is shown in days in the pictogram.
	Internal memory: to save measurements in the device memory.		Measuring units: Weighing units can be switched to e.g. non-metric at the touch of a key. Please refer to website for more details.		Package shipment: The time required for internal shipping preparations is shown in days in the pictogram.
	Data interface RS-232: bidirectional, for connection of printer and PC.		Measuring with tolerance range: Upper and lower limiting can be programmed individually, e.g. for sorting and dosing.		Pallet shipment: The time required for internal shipping preparations is shown in days in the pictogram.
	Data interface USB: To connect the balance to a printer, PC or other peripheral devices.		ZERO: Resets the display to "0".		Warranty: The warranty period is shown in the pictogram.

Your SAUTER specialist dealer: