














For tension tests ≤ 500 N

	Long clamp for tension and rupture tests up to 50 N, clamping width: 3 mm, thread: M6	AC 17 € 120,- 2 pieces
	Angle bracket for tension and rupture tests up to 500 N (e.g. for cable tests), clamping width: 22 mm, thread: M6	AC 01 € 105,- 2 pieces
	Cable fixture for tension and rupture tests up to 500 N	AC 10S* € 65,-
	Fine point clamp for tension and rupture tests up to 500 N, width 15 mm, clamping width: 4 mm, thread: M6	AC 14 € 55,- 2 pieces
	Fine point clamp for tension and rupture tests up to 500 N, width 22 mm, clamping width: 4 mm, thread: M6	AC 22 € 120,- 2 pieces
	Ring fixture for tension and rupture tests up to 500 N, diameter: 23 mm, thread: M6	AC 15* € 65,- 2 pieces
	Screw tension clamp for 100 N for laboratory tensile force measurements, incl. jaws with pyramid grip, thread: M6	AD 9001 € 990,- 2 pieces <small>PREMIUM</small> ★★★
	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 € 570,- 2 pieces <small>PREMIUM</small> ★★★
	Screw tension clamp for 100 N for laboratory tensile force measurements with collar joint and jaws with pyramid grip	AD 9016 € 990,- 2 pieces <small>PREMIUM</small> ★★★
	Universal screw tension clamp for tension and compression testing up to 500 N, clamping width: up to 10 mm, jaws with pyramid grips, for further details, see page 39	AE 500 € 350,- 1 piece

For tension tests ≤ 5000 N

	Flat jaw attachment for tension tests up to 5 kN (e.g. textile, paper etc.), clamping width: 4 mm, thread: M6	AC 03 € 115,- 2 pieces
	Grip clamp attachment for insertion and pull tests up to 5 kN, clamping width: 6 mm, thread: M6	AC 09 € 85,- 2 pieces

For tension tests ≤ 5000 N

	Parallel jaw grip for tension and rupture tests up to 5 kN, clamping width: 5 mm, thread: M10	AC 12 € 78,- 2 pieces
	High capacity small clamp for tension and rupture tests up to 5 kN, clamping width: 5 mm, thread: M10	AC 16 € 125,- 2 pieces
	2 wide jaw grip attachment for tension and extraction tests up to 5 kN, clamping width: 33 mm, thread: M10	AC 18 € 125,- 2 pieces
	Rolling-clamp attachment for tension and rupture tests up to 5 kN, thread: M10	AC 11 € 69,- 2 pieces
	1-jaw-clamp attachment for tension and rupture tests up to 5 kN, clamping width: 3 mm, thread: M6	AC 13 € 78,- 2 pieces
	Eccentric roll clamp in particular for cable tests up to 5 kN, clamping width: 9 mm	AC 41 € 195,- 1 piece
	Drum clamp typically for cable connector extraction tests up to 5 kN, for test objects with ∅ from 1,5 mm up to 8 mm, thread: M10	AC 42 € 195,- 1 piece
	Screw-in tension clamp for 1 kN, for tensile force tests, jaws with pyramid grip	AD 9021 € 830,- 2 pieces <small>PREMIUM</small> ★★★
	Wedge tension clamp up to 5 kN, for tensile force tests, due to the wedge shape of the clamp the specimen is clamped automatically with increasing load, clamping width up to 10 mm, jaws with pyramid grip	AD 9080 € 2550,- 2 pieces <small>PREMIUM</small> ★★★
	Rope and thread tension clamp up to 1 kN, Suitable for wires up to a diameter of 2 mm, belts up to 7 mm width, incl. jaws with rubberised surface	AD 9120 € 900,- 2 pieces <small>PREMIUM</small> ★★★
	Universal screw tension clamp for tension and compression testing up to 2 kN, clamping width: up to 30 mm, jaws with pyramid grips, rapid adjustment to a variety of test objects thanks to the flexible clamping width, for further details, see page 40	AE 2K € 610,- 1 piece

For tension tests ≤ 5000 N



Rope and thread tension clamp
 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
€ 1440,-
 2 pieces
 PREMIUM
 ★★★



Roller tension clamp
 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
€ 720,-
 2 pieces
 PREMIUM
 ★★★



Roller tension clamp
 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
€ 1080,-
 2 pieces
 PREMIUM
 ★★★



Roller tension clamp
 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
€ 2550,- Ⓣ
 2 pieces
 PREMIUM
 ★★★



Roller tension clamp
 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
€ 1060,- Ⓣ
 2 pieces
 PREMIUM
 ★★★

For tension tests > 5000 N



Flat clamp with undulated jaws
 clamping width: 6 mm, thread: M10 up to 10 kN
AC 31*
€ 99,- Ⓣ
 1 piece



Wide jaw clamp with fixed jaws
 with high-performance inner jaws out of steel, jaws with pyramid grip clamping width: 7 mm, thread: M10 up to 10 kN
AC 04
€ 199,-
 1 piece

For tension tests > 5000 N



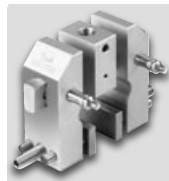
Quick clamp
 for high capacity tensile tests up to 30 kN, due to the wedge shape of the clamp the specimen is clamped automatically with increasing load,
 clamping width: 8 mm, thread: M10
AC 38
€ 1010,-
 1 piece



Wedge tension clamp
 up to 10 kN, for tensile force tests, due to the wedge shape of the clamp the specimen is clamped automatically with increasing load, clamping width 10 mm, jaws with pyramid grip
AD 9085
€ 2880,-
 2 pieces
 PREMIUM
 ★★★



Wedge tension clamp
 up to 10 kN, for tensile force tests, due to the wedge shape of the clamp the specimen is clamped automatically with increasing load, clamping width 8 mm, jaws with pyramid grip
AD 9090
€ 3030,-
 2 pieces
 PREMIUM
 ★★★



Universal screw tension clamp
 for tension and compression testing up to 10 kN, clamping width: up to 75 mm, jaws with pyramid grips, rapid adjustment to a variety of test objects thanks to the flexible clamping with ball locking pin, for further details, see page 41
AE 10K
€ 790,-
 1 piece



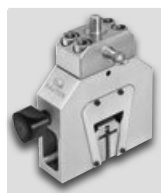
Wedge tension clamp
 up to 20 kN, for tensile force tests, builds up tensile force automatically by its wedge shape, clamping width 10 mm, jaws with pyramid grip
AD 9100
€ 4320,-
 2 pieces
 PREMIUM
 ★★★



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
€ 3420,-
 2 pieces
 PREMIUM
 ★★★



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
€ 5040,-
 2 pieces
 PREMIUM
 ★★★



Universal wedge tension clamp
 for tension and compression testing up to 50 kN, clamping width: up to 15 mm, jaws with pyramid grips, rapid adjustment to a variety of test objects thanks to the flexible clamping width, for further details, see page 42
AE 50K-K
€ 2150,-
 1 piece
 NEW

! *ONLY WHILE STOCKS LAST

Ⓣ Price reduction

All prices listed here are without german legal VAT (19%)

For tension tests > 5000 N



Belt tension clamp
up to 20 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
€ 1350,-
2 pieces



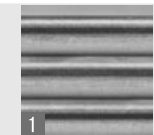
Belt tension clamp
up to 20 kN, suitable for tensile force tests with belts or any other soft, flexible, flat materials with a maximum sample thickness of 2,5 mm a test object width up to 80 mm

AD 9255
€ 1800,-
2 pieces

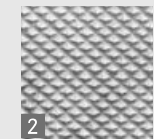


Belt tension clamp
up to 50 kN, suitable for tensile force tests with belts or any other soft, flexible, flat materials with a maximum sample thickness of 2,5 mm a test object width up to 80 mm

AD 9256
€ 3060,-
2 pieces



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



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

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: M12

AFH 06
€ 110,-
2 pieces



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

AC 08
€ 55,-
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
€ 55,-
2 pieces



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

AD 9300
€ 1530,-
1 piece



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

AD 9305
€ 1350,-
1 piece



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

AD 9310
€ 1530,-
1 piece



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

AD 9315
€ 1350,-
1 piece



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
€ 135,-
1 piece



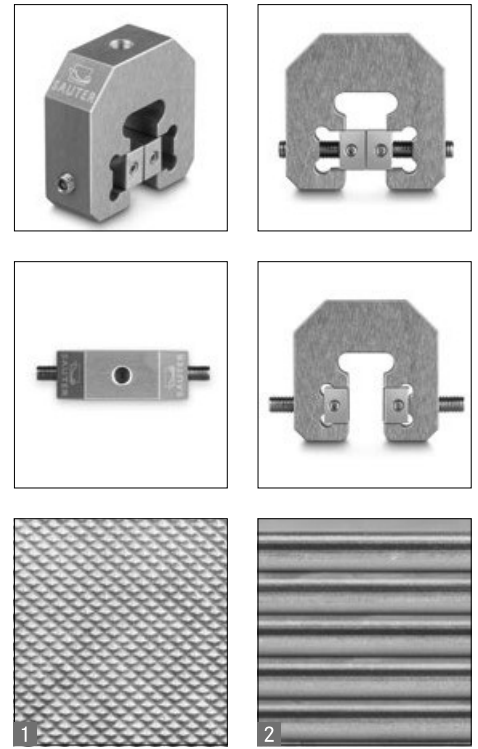
Flat square-shaped sensor
for lateral power sensing of back, chest or arm up to 1 kN, thread: M6

AC 46
€ 90,-
1 piece



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

AC 47
€ 95,-
1 piece



Quickly fittable universal screw tension clamp for tension and compression testing for a force range up to 500 N

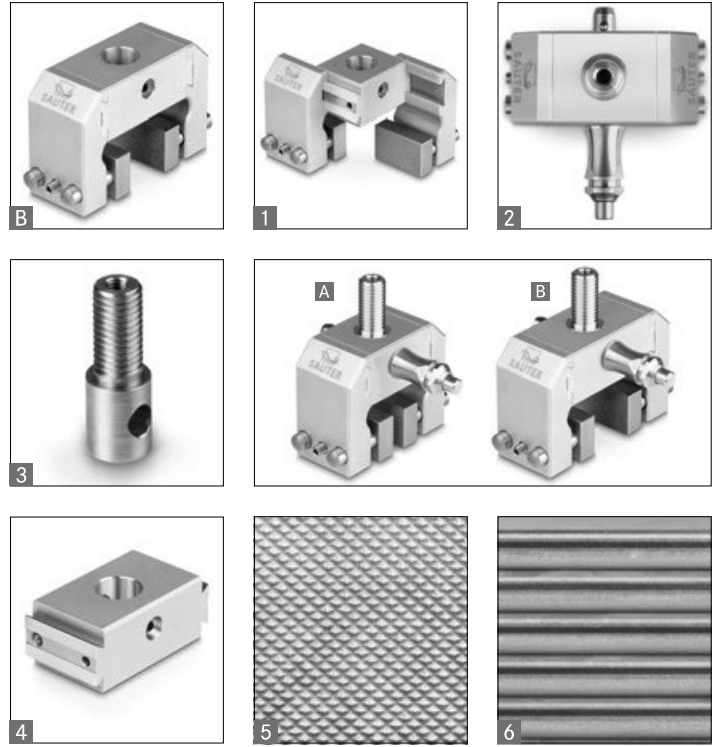
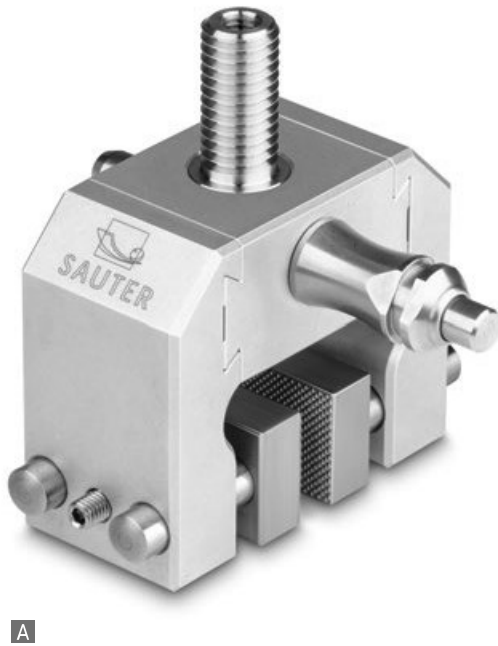
Features

- **High-quality screw tension clamp** in the lower force range with an enormous flexibility for a fast adaptation to a wide variety of test objects
- **Solid version** for high clamp forces
- Flexible clamping width (width between the jaws) from 0-10 mm
- **You can choose between different types of jaws**
 - **1** Jaws with pyramid grip as standard, W×H 32×20 mm
 - **2** Jaws with undulating grip, as well as special designs, available as options, please ask for details
- The modular construction enables a quick adaptation and cleaning of the clamp
- By means of the **threaded rods with a hexagon socket**, the clamp can quickly be adapted to someone's own requirements, test objects, operation environment, e.g. test stand or force gauge
- Can be used with all SAUTER force measuring devices or test stand systems
- To fix the clamp on a force gauge, there is a M6 thread on the upper side of the clamp
- For tension and compression testing up to 500 N
- Overload protection: 150 % of [Max]
- Scope of supply: 1 clamp with 2 jaws with pyramid-shaped grip
- For dimensional drawing, see www.sauter.eu

STANDARD



Model	Maximum tensile/compressive force	Range	Scope of supplies	Price excl. of VAT ex works €
SAUTER AE 500	N 500	mm 10	1 piece	350,-



Quickly fittable universal screw tension clamp for tension and compression testing for a force range up to 2 kN

Features

- **High-quality screw tension clamp** in the middle force range with an enormous flexibility for a fast adaptation to a wide variety of test objects
- **Solid version** for high clamp forces
- Flexible clamping width (width between the jaws) from **A** 15-30mm (standard) and from **B** 15-30mm (in combination with the optional, wide central section: SAUTER AE 2K-A01)
- **You can choose between different types of jaws**
 - **5** Jaws with pyramid grip as standard, W×H 32×20 mm
 - **6** Jaws with undulating grip, as well as special designs, available as options, please ask for details

- **1** The modular construction enables a quick adaptation and cleaning of the clamp
- **2** By means of the **practical ball locking pin system**, the clamp can be quickly adapted to ones' own demands, test objects, operational environment, e.g. test stand or force measuring device
- Can be used with all SAUTER force measuring devices or test stand systems
- For tension and compression testing up to 2 kN
- Overload protection: 150 % of [Max]
- Scope of supply: 1 clamp with middle section for widths from 0-15 mm, 1 adapter, 1 locking pin
- For dimensional drawing, see www.sauter.eu

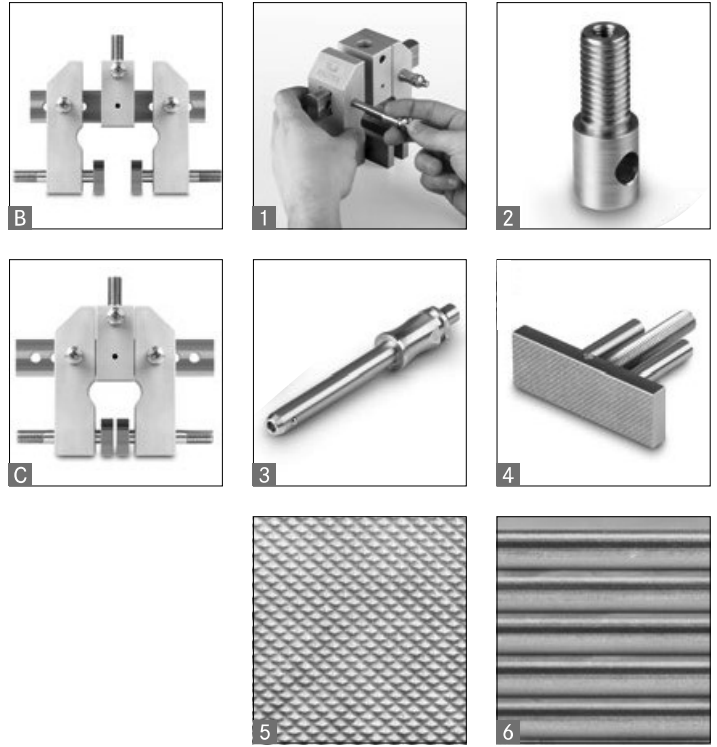
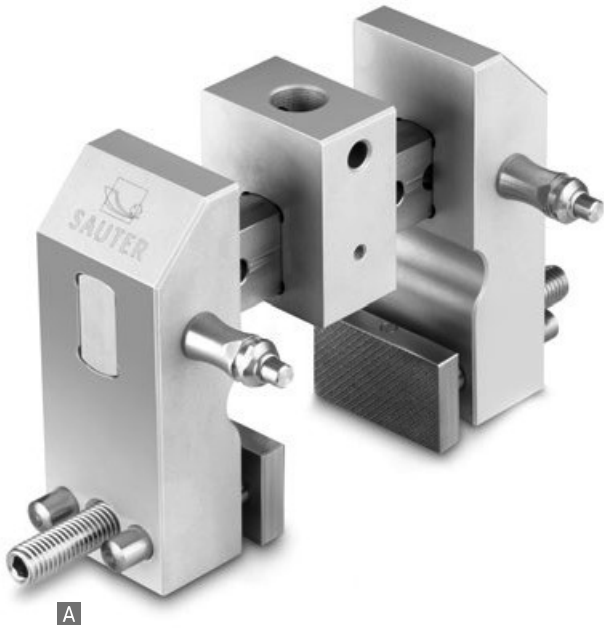
Accessories

- **3 Adapter**, connection pin between clamp and load cell/measuring device as standard, M12 thread, max. load up to 10 kN, can be reordered at any time, SAUTER AE-A01, **€ 30,-**
- **Safety pin**, stainless steel, with spring system to fix adjustable components, as standard, can be reordered at any time, SAUTER AE-A05, **€ 45,-**
- **4** Wide central section for widths from 15-30 mm, SAUTER AE 2K-A01, **€ 75,-**

STANDARD



Model	Maximum tensile/ compressive force N	Range mm		Scope of supplies	Price excl. of VAT ex works €
		A	B (Option)		
SAUTER AE 2K	2000	0-15	15-30	1 piece	610,-



Quickly fittable universal screw tension clamp for tension and compression testing for a force range up to 10 kN

Features

- **High-quality screw tension clamp** with enormous flexibility which can be adapted quickly to a wide variety of test objects
- **Solid version** for high clamp forces
- Maximum clamping width (width between the jaws): 75 mm, triple lockable **A, B, C**, can be finely adjusted using threaded rods
- **You can choose between different types of jaws**
 - **5** Jaws with pyramid grip as standard, W×H 49×30 mm
 - **6** Jaws with undulating grip, as well as special designs, available as options, please ask for details

- The **modular design** enables a quick fitting, expansion and cleaning of the clamp
- **1** By means of the **practical ball locking pin system**, the clamp can be quickly adapted to ones' own demands, test objects, operational environment, e.g. test stand or force measuring device.
- Can be used with all SAUTER force measuring devices or test stand systems
- For tension and compression testing up to 10 kN
- Overload protection: 150 % of [Max]
- Scope of supply: 1 clamp, 1 adapter, 2 safety pins
- For dimensional drawing, see www.sauter.eu

Accessories

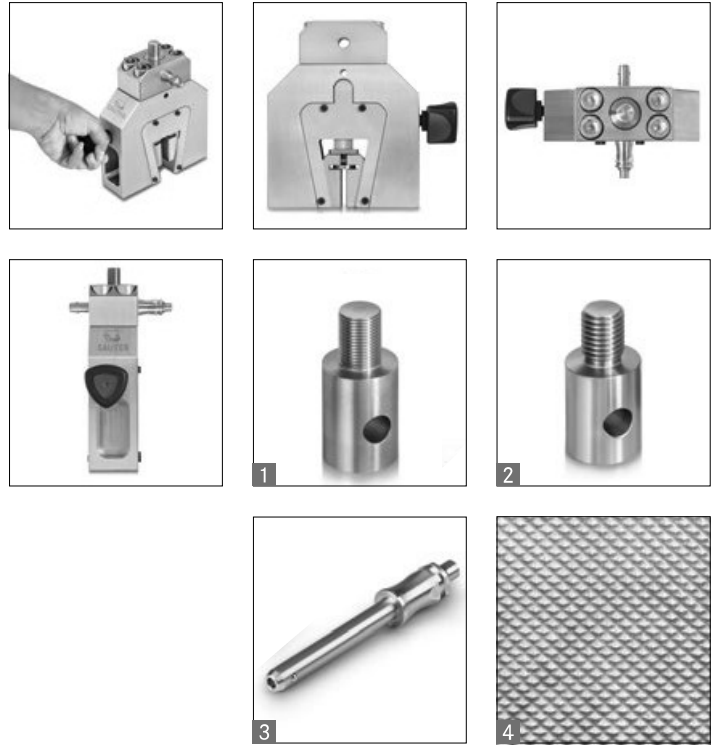
- **2 Adapter**, connection pin between clamp and load cell/measuring device as standard, M12 thread, max. load up to 10 kN, can be reordered, SAUTER AE-A01, **€ 30,-**
- **3 Safety pin**, stainless steel, with spring system to fix adjustable components, as standard, can be reordered, SAUTER AE-A05, **€ 45,-**
- **4 Long jaws**, stainless steel, pyramid grip 2 pcs. W×H 100×30 mm, SAUTER AE-A02, **€ 70,-**

STANDARD



Model	Maximum tensile/compressive force N	Range mm			Scope of supplies	Price excl. of VAT ex works €
		A	B	C		
SAUTER AE 10K	10000	43-75	10-43	0-10	1 piece	790,-

NEW



Quickly adjustable wedge tension clamp for tensile tests for the force range up to 50 kN

Features

- **Quality wedge tension clamp** for safe holding of test specimens up to a force of 50 kN, due to the wedge shape of the clamp the test specimen is clamped automatically with increasing load. Thus, longer and protruding objects can be tested
- Thanks to the **practical ball locking pin system**, the clamp can be quickly adapted to your own requirements, test objects, operating environments, e.g. test bench or measuring device, etc.
- **Solid version** for high clamp forces
- Maximum clamping width (width between the jaws): 15 mm
- **4** Jaws with pyramid grip as standard
- Can be used with SAUTER TVS 50K70 and FH 50K
- For train search up to 50 kN
- Overload safety: 150 % of [Max]
- Scope of delivery: 1 clamp, 1 F18 adapter, 1 locking pin
- Dimensioned drawing see www.sauter.eu
- Net weight approx. 12 kg

Accessories

- **1 Adapter**, connection pin between clamp and load cell/measuring device as standard, F18 thread, max. load up to 50 kN, SAUTER AE-07, **€ 50,-**
- **2 Adapter**, connection pin between clamp and load cell/measuring device, M18 thread, max. load up to 50 kN, SAUTER AE-08, **€ 50,-**
- **3 Safety pin**, stainless steel, with spring system to fix adjustable components, SAUTER AE-06, **€ 55,-**

STANDARD



Model	Maximum tensile/compressive force	Range	Scope of supplies	Price excl. of VAT ex works €
SAUTER AE 50K-K	N 50000	mm 0-15	1 piece	2150,-

Attachments



Standard attachments kit **AC 43**
for all force gauges FA, FH,
FL and FC, thread: M6
10-500 N
€ 45,-
6 items



Standard attachments kit **AC 430**
for force gauge FK,
thread: M8
10-1000 N
€ 45,-
6 items



Tensiometer attachment **FK-A01**
optional for all FK models from
FK 10 up to FK 250
€ 210,-
1 piece



Tensiometer attachment **FK-A02**
for high-capacity tensile strength
tests up to FK 500 and FK 1K
€ 295,-
1 piece

Special solutions



Stainless steel handle bar **AFH 04**
with rubber grip for safe handling,
AFH 04 suitable for FA, FH, FL
AFK 02 suitable for FK, FC
€ 95,-
1 piece



Stainless steel handle bar **AFH 05**
with rubber grip for FH, FL with
external sensor, thread: M12
€ 55,-
1 piece



Door tester **AFH 03**
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
€ 295,-
1 piece



Tombstone tester **FA 500G**
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, **€ 135,-**
€ 350,-
1 piece



Tombstone tester **FL 500G**
for testing the stability of tombstones
according to VSG 4.7 on the basis of FL
(included), up to 500 N: FL 500G
Option: DAkkS calibration for
FL 500G: 963-261, **€ 135,-**
€ 670,-
1 piece

Interface cables



RS-232/PC connection cable **FH-A01**
to connect models from the SAUTER FH
range to a PC or a printer
€ 46,-
1 piece



RS-232/PC connection cable **FL-A04**
to connect models from the SAUTER FL,
DA range to a PC or a printer
€ 46,-
1 piece



USB/PC connection cable **FL-A01**
to connect models from the SAUTER FL,
DA range to a PC or a printer
€ 46,-
1 piece



RS-232/PC connection cable **LB-A01**
to connect models from the SAUTER LB
range to a PC
€ 360,-
1 piece



RS-232/USB adapter **AFH 12**
to connect peripheral devices with
USB interface, suitable for all balances
and measuring instruments with RS 232
output, length 0,95m, scope of supply:
adapter, CD with driver
€ 85,-
1 piece



RS-232/PC connection cable **FC-A01**
to connect models from the SAUTER FC
range to a PC or a printer
€ 46,-
1 piece

Other



Carrying strap **AC 35***
for easy and safe transportation
of the tombstone tester during
the testings
€ 9,-
1 piece



Relais module **AFH-02**
serves to transmit output signals of an
FH force measuring device to control
actions directly
€ 340,-
1 piece

! *ONLY WHILE STOCKS LAST

All prices listed here are without german legal VAT (19%)

Force measurement accessories