

SP83 Pneumatic grip

Clamping force: 7 kN / 7 bar (max.16 bar)

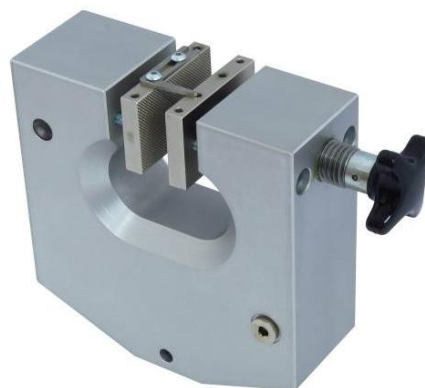
Standard temperature range: 0 °C ... +70°C
Further temperature ranges on request

Body made of aluminum

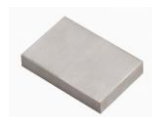
Pneumatic internal thread connection: 1/8"

Weight 3.2 kg each without jaws

Scope of supply: 1 pair



Jaws for SP83: Scope of supply: 1 set = 4 jaws



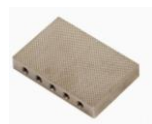
Blank (smooth) jaws

- Suitable for own further treatments
- Steel-blanks without coating



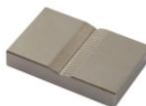
Rubber coated jaws

- 1 mm rubber coating (NBR)
- Nickel-plated



Pyramid jaws (serrated)

- Pyramids 1.2x45
- Hardened steel 58HRC
- Nickel-plated°



V-jaws

- For all kinds of round samples
- Tooth pitch 1.2 mm
- Hardened steel 58HRC
- Nickel-plated



Wave jaws (corrugated)

- For flexible materials
- Wave 5 mm
- Hardened steel 58HRC
- Nickel-plated



Diamond coated jaws

- Clamping surface coated with synthetic diamonds D91 (170/200 mesh)
- Nickel-plated

Item number	Surface	Clamping surface HxW	Opening*	Temperature range	Weight/ 1 pair
SP83-B	Blank jaws	40 x 60 mm	0 – 10 mm	+20 °C ... +180°C	0.35 kg
SP83-BG	Rubber-coated jaws	40 x 60 mm	0 – 8 mm	- 70 °C ... +70°C	0.36 kg
SP83-BP	Pyramid jaws	40 x 60 mm	0 – 10 mm	- 70 °C ... +180°C	0.33 kg
SP83-BV3	V-jaws	Clamping height 40 mm	3 – 10 mm Ø	- 70 °C ... +180°C	0.35 kg
SP83-BV6	V-jaws	Clamping height 40 mm	6 – 10 mm Ø	- 70 °C ... +180°C	0.34 kg
SP83-BW	Wave jaws	40 x 60 mm	0 – 10 mm	- 70 °C ... +180°C	0.40 kg
SP83-BD	Diamond-coated jaws	40 x 60 mm	0 – 10 mm	- 70 °C ... +180°C	0.35 kg
SP83-B100	Blank jaws	40 x 100 mm	0 – 10 mm	+20 °C ... +180°C	0.72 kg
SP83-BG100	Rubber-coated jaws	40 x 100 mm	0 – 3 mm	- 70 °C ... +70°C	0.74 kg
SP83-BP100	Pyramid jaws	40 x 100 mm	0 – 10 mm	- 70 °C ... +180°C	0.69 kg
SP83-BW100	Wave jaws	40 x 100 mm	0 – 10 mm	- 70 °C ... +180°C	0.66 kg
SP83-BD100	Diamond-coated jaws	40 x 100 mm	0 – 10 mm	- 70 °C ... +180°C	0.72 kg
SP83-BP200	Pyramid jaws	60 x 200 mm	0 – 10 mm	- 70 °C ... +180°C	3.00 kg
SP83-BG200	Rubber-coated jaws	60 x 200 mm	0 – 5 mm**	- 70 °C ... +70°C	3.06 kg
SP83-BW200	Wave jaws	60 x 200 mm	0 – 10 mm	- 70 °C ... +180°C	3.00 kg

*Rods for openings 10 – 20 mm and 20 – 30 mm are included in the scope of delivery of the grips

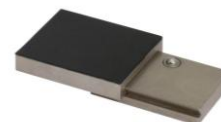
**with rods for opening 10 – 20 mm

Insert jaws for SP83:

Jaw quick changing system

Insert jaws require carriers (SP83-GT)

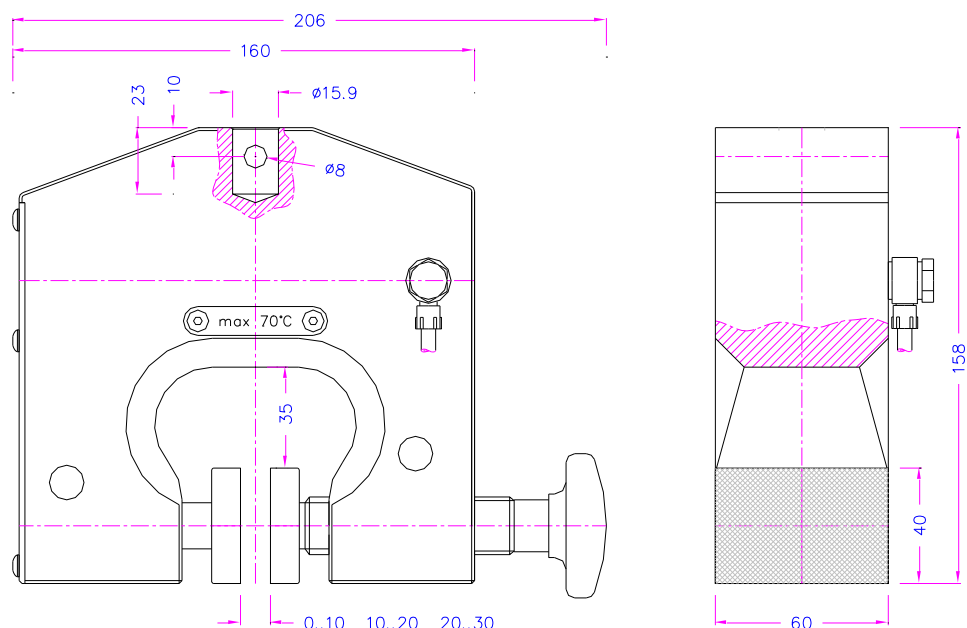
Scope of delivery: 1 set = 4 jaws



Item number	Surface	Clamping surface HxW	Opening*	Temperature range	Weight/ 1 pair
SP83-GT	Carrier	-	-	- 70 °C ... +180°C	0.33 kg
SP83-EBB	Blank insert jaws	50 x 60 mm	0-9 mm	+20 °C ... +180°C	0.29 kg
SP83-EBG	Rubber coated insert jaws	50 x 60 mm	0-7 mm	- 70 °C ... +70°C	0.30 kg
SP83-EBP	Pyramid insert jaws	50 x 60 mm	0-9 mm	- 70 °C ... +180°C	0.28 kg
SP83-EBV4	V insert jaws	Height 50 mm	4-9 mm	- 70 °C ... +180°C	0.29 kg
SP83-EBW	Wave insert jaws	50 x 60 mm	0-9 mm	- 70 °C ... +180°C	0.26 kg
SP83-EBD	Diamond coated insert jaws	50 x 60 mm	0-9 mm	- 70 °C ... +180°C	0.29 kg
SP83-GT100	Carrier	-	-	- 70 °C ... +180°C	0.69 kg
SP83-EB100	Blank insert jaws	50 x 100 mm	0-9 mm	+20 °C ... +180°C	0.63 kg
SP83-EBG100	Rubber coated insert jaws	50 x 100 mm	0-3 mm	- 70 °C ... +70°C	0.65 kg
SP83-EBP100	Pyramid insert jaws	50 x 100 mm	0-9 mm	- 70 °C ... +180°C	0.60 kg
SP83-EBW100	Wave insert jaws	50 x 100 mm	0-9 mm	- 70 °C ... +180°C	0.57 kg
SP83-EBD100	Diamond coated insert jaws	50 x 100 mm	0-9 mm	- 70 °C ... +180°C	0.63 kg

*Rods for opening 9–19 mm are included in the scope of delivery of the grips

Jaws with other dimensions and surface coatings on request



SP83 + SP83-BW200



SP83 + SP83-GT100 + SP83-EBG100

Accessories:



SP205-1 Foot pedals

None locking: The jaws of the grip open by pressing the foot pedal and close after removing the foot from the pedal.

Scope of delivery: 1 pair of foot switches including tubes and fittings



SP205-2 Foot pedals

With locking function: The jaws of the grip open by pressing the foot pedal and remain opened after removing the foot from the pedal. The jaws close by pressing the pedal one more time.

Scope of delivery: 1 pair of foot switches including tubes and fittings



SP205-PR16bar Pressure regulator

Optional for SP205-1 or SP205-2

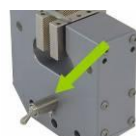
To adjust air pressure: 1-16 bar



SP205-3 Hand switches

With locking function: The jaws of the grip close by pulling the handle and remain closed. The jaws open by pushing the handle back.

Scope of delivery: 1 unit of hand switches including tubes and fittings



SP205-4-1/8" Hand switches for SP83

Pneumatic micro – hand switches, tubes and fittings, 1/8" connection

The hand switches are directly mounted at the grips. 3/2 directional valve

Scope of supply: 2 hand switches including tubes and fittings

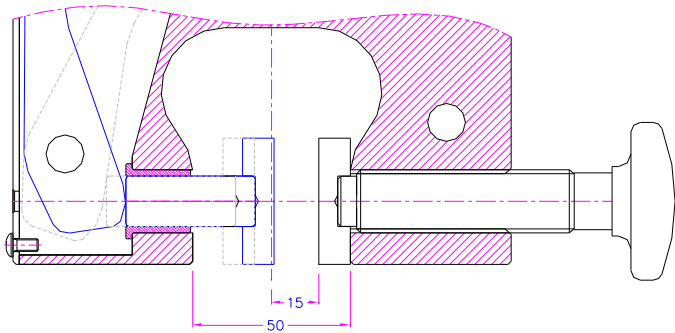


SP216 Silent compressor for laboratories, oil-lubricated, with pressure reducer

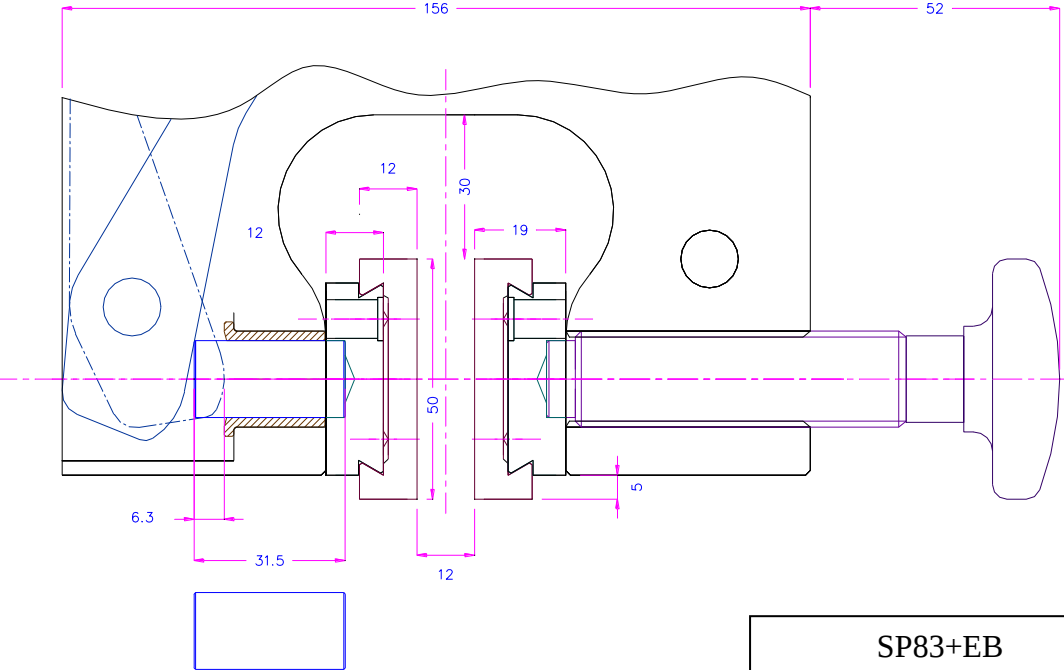
Max pressure 16 bar; 230 V/50 HZ; noise level: 38 dB(A)

Motor: 0.13 kW; displacement: 17 l/min; tank size 3.5 l

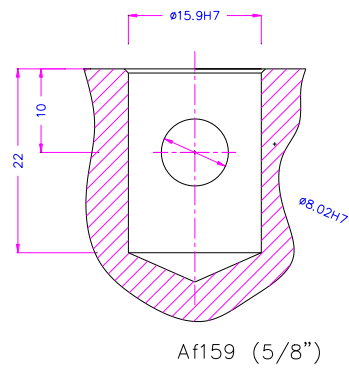
Dimensions: 340x290x340 mm (L x W x H); weight 18 kg



- 0-5 41 For Sample 0 - 10 mm
- 5-10 36.2 For Sample 10 - 20 mm
- 10-15 31.5 For Sample 20 - 30 mm



SP83+EB



Af159 (5/8")