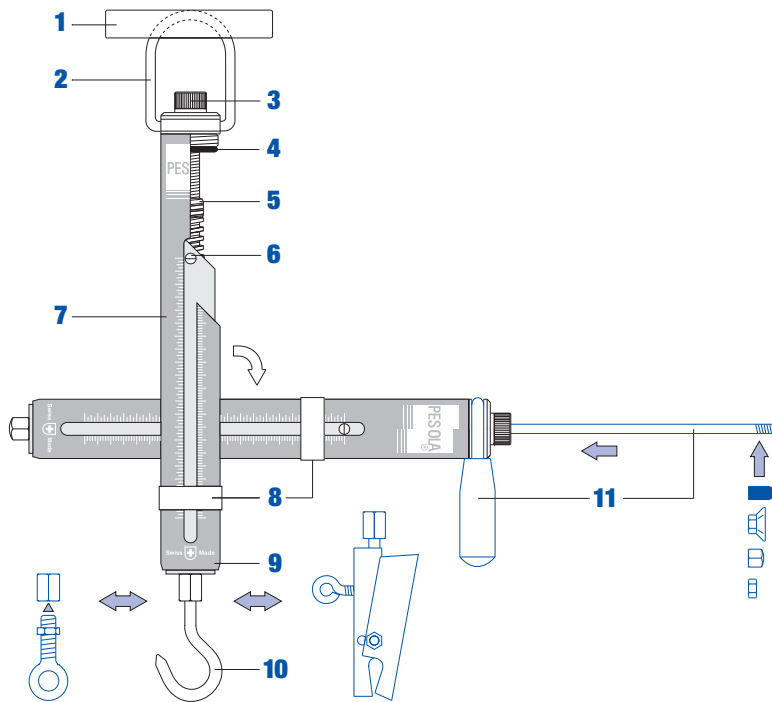


Macro

Precision spring scales

swiss + made



Measurement in all positions, even overhead. Option: Transformation to pressure dynamometer with accessory 8.004 within 20 sec.

Characteristics

- 1** Handle – comfortable and removable.
- 2** Bow (rotatable and removable) guided in a ring.
- 3** Screw for the adjustment of the zero position and for tare. Tare range \approx 20 % of capacity.
- 4** Integrated recoil absorption for tensile tests with drag pointer (max. 30 kg/300 N/60 lbs).
- 5** Adjustment and suspension of spring without play, fatigue resistant spring.
- 6** Marker on level of graduation with precise line for perfect reading.
- 7** Precise graduation with high resolution, abrasion-resistant and color anodized, on aluminum tube. One-sided inverse figures for easy reading in different positions.
- 8** Drag pointer supplied (standard).
- 9** Overload proof up to 80 kg/800 N/160 lbs.
- 10** Hook swivelable, rotatable and replaceable by different accessories.
- 11** Pressure set 8.004 (optional) with pressure rod, screw-tops and radial handle.

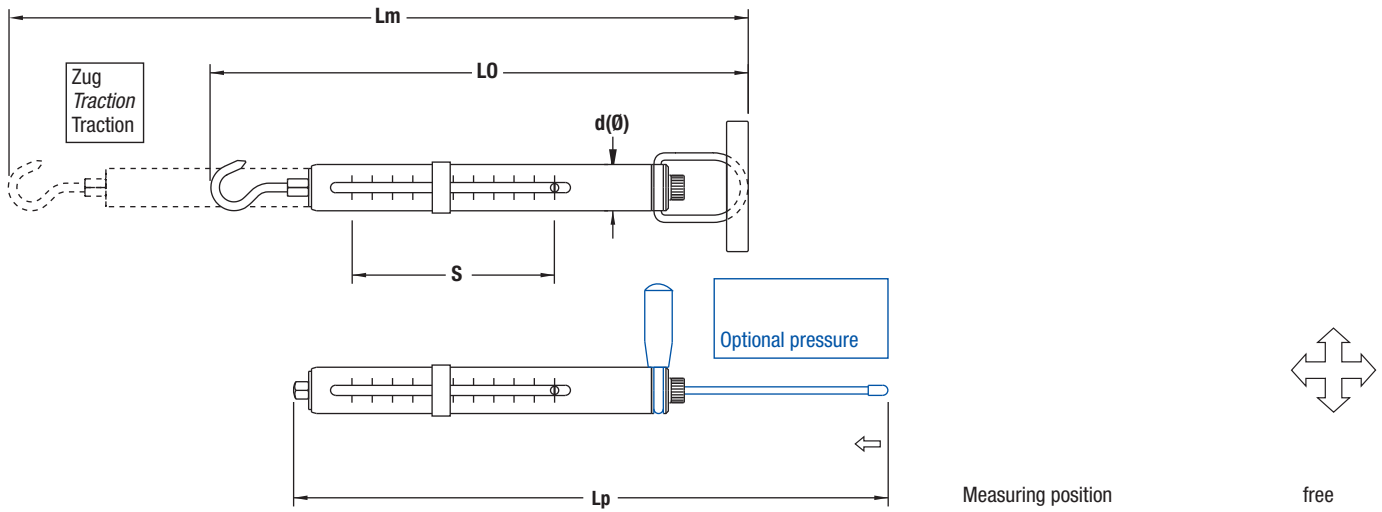
Precision

Maximum tolerance \pm 0.3% of load
(zero position exactly adjusted).

3 years warranty

Macro

Models



Macro Line precision spring scales (pressure measurement with optional accessory 8.004)

Measuring unit	No.	Capacity	Division	Standard*	S	L0	Lm	Lp	d(Ø)	Weight net / gross	Color code
					mm	mm	mm	mm	mm		
Metrisch / métrique / metric	80005	5 kg	50 g		140	370	510	440	32	330 g / 410 g	
Metrisch / métrique / metric	80010	10 kg	100 g		140	370	510	440	32	380 g / 444 g	
Metrisch / métrique / metric	80020	20 kg	200 g		140	370	510	440	32	420 g / 513 g	
Metrisch / métrique / metric	80035	35 kg	500 g		90	370	460	370	32	450 g / 570 g	
Metrisch / métrique / metric	80050	50 kg	500 g		90	370	460	370	32	490 g / 570 g	
Metric and English (avoirdupois)	80015	5 kg / 10 lb	50 g / 2 oz		140	370	510	440	32	330 g / 410 g	
Metric and English (avoirdupois)	80210	10 kg / 20 lb	100 g / 4 oz		140	370	510	440	32	380 g / 444 g	
Metric and English (avoirdupois)	80420	20 kg / 40 lb	200 g / 8 oz		140	370	510	440	32	420 g / 513 g	
Metric and English (avoirdupois)	80150	50 kg / 100 lb	500 g / 1 lb		90	370	460	370	32	490 g / 570 g	
Newton (N = m · kg / s ²) (Gravitation ≈ 9.81 m / s ²)	80049	50 N	0.5 N		140	370	510	440	32	330 g / 410 g	
Newton (N = m · kg / s ²) (Gravitation ≈ 9.81 m / s ²)	80098	100 N	1 N		140	370	510	440	32	380 g / 444 g	
Newton (N = m · kg / s ²) (Gravitation ≈ 9.81 m / s ²)	80196	200 N	2 N		140	370	510	440	32	420 g / 513 g	
Newton (N = m · kg / s ²) (Gravitation ≈ 9.81 m / s ²)	80490	500 N	5 N		90	370	460	370	32	490 g / 570 g	

* Standard suspension ex factory (transformation with accessories)

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Accessories

Illustration	No.	Unit	Item	Range of application
	8.004	1	Pressure set	All models
	8.010	1	Heavy duty clamp	5 – 35 kg/50 – 200 N
	8.018	1	Adaptation set	All models
	8.070	10	Large protecting cap	Accessory for 8.004
	8.678	1	Protective tube	All models
	Z	1	Test certificate for spring scales	All models
	8.132	1	Drag pointer (delivered with scale)	Replacement part for all models
	8.050	10	Protecting cap	Replacement part for 8.004

