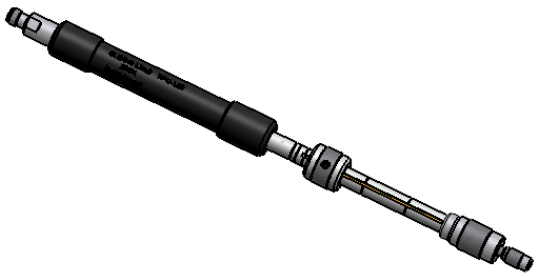
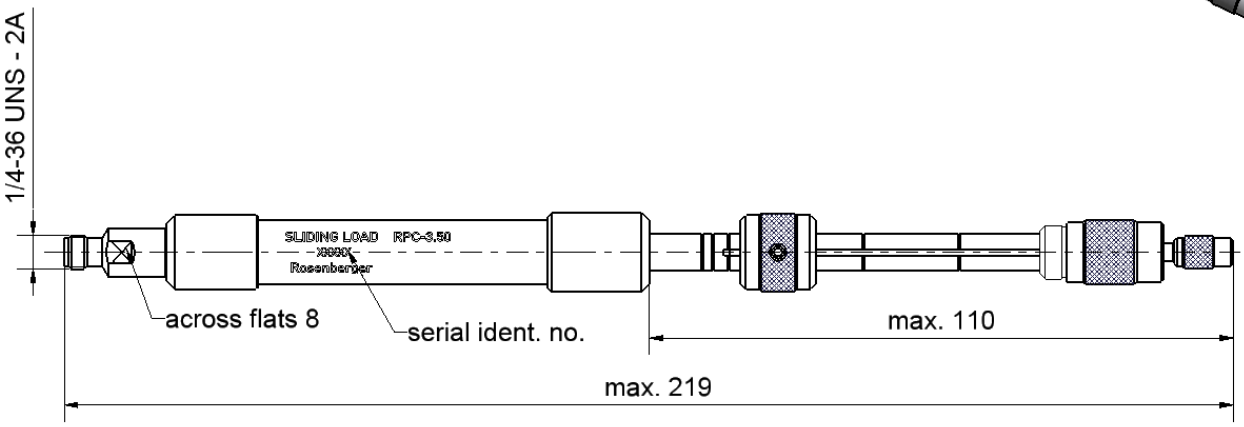
Technical Data Sheet		Rosenberger
RPC-3.50	Sliding Load Jack	**03K150-G300**





All dimensions are in mm; tolerances according to ISO 2768 m-H

Interface

According to	IEC 60169-23
Mechanically compatible with	RPC-2.92 and SMA

Documents

Application note	AN001 “Calibration Services”

Material and plating

Connector parts	**Material**	**Plating**
Center conductor	CuBe	Gold, min. 1.27 µm, over nickel
Outer conductor	Brass	Gold, min. 1.27 µm, over nickel
Body	Aluminum	black anodized

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P.O.Box 1260 D-84526 Tittmoning Germany
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Electrical data

Frequency range	4 GHz to 26.5 GHz
Return loss	≥ 26.4 dB, 4 GHz to 5 GHz
	≥ 32 dB, 5 GHz to 26.5 GHz
Power handling	≤ 1 W
Air line accuracy	≥ 50 dB
Repeatability of sliding position	≥ 60 dB, 4 GHz to 26.5 GHz

Mechanical data

Mating cycles	≥ 500
Maximum torque	1.70 Nm
Recommended torque	0.90 Nm
Gauge	adjustable

General standard definitions

For proper operation the vector network analyzer (VNA) needs a model describing the electrical behaviour of this calibration standard. The different models, units, and terms used will depend on the VNA type and they will have to be entered into the VNA. All values are based on typical geometry and plating.

Offset Z_o / Impedance / Z_o	50 Ω
Min. Frequency	4 GHz

Environmental data

Operating temperature range[1]	+20 °C to +26 °C
Rated temperature range of use[2]	0 °C to +50 °C
Storage temperature range	-40 °C to +85 °C
RoHS	compliant

[1] *Temperature range over which these specification are valid.*

[2] *This range is underneath and above the operating temperature range, within the sliding load is fully functional and could be used without damage.*

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Declaration of calibration options

Factory Calibration

Standard delivery for this calibration standard includes a Factory Calibration. The Calibration Certificate issued reports individual calibration results, traceable to national / international standards. Model based standard definitions are reported in an Agilent/Keysight, Rohde & Schwarz and Anritsu compatible VNA format.

Accredited Calibration

Not available.

For further, more detailed information see application note AN001 on the Rosenberger homepage.

Calibration interval

Recommendation	12 months

Packing

Standard	1 pce in pipe
Weight	96.7 g/pce

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