

Data sheet

Assembly Press

Assembly Press Line5 RX 010-200-300

Basic data	
Nominal force (push/pull)	10 / 10 kN
Stroke	200 mm
Nominal speed	300 mm/s
Nominal acceleration	1000 mm/s ²
Dwell time of nominal load	min. 4 s
Weight mechanics (HGX/SGX)	33,6 kg / 37,9 kg
Max. tool weight*	100 kg
Force measurement	
Measuring principle	Strain gauge (internal)
System accuracy**	<1% with 2-point-calibration / <0,3% with characteristic map
Preamplifier	
Type	PDM-S RX
Output signal	digital
Protection class	IP54
Power supply	24 VDC (-15 / +20 %)
Power input	14 W
Distance measuring	
Feedback device	Multiturn
Repeatability of positioning***	< 0,01 mm
Servo amplifier	
Type	M702-034-00078-A
Dimensions (WxHxD)	83 x 382 x 200 mm
Mains voltage	3 AC 380 V ... 480 V, +/-10 %
Cable cross section (input)	IEC 2,5 mm ² / UL 14 AWG
Cable cross section (output)	IEC 2,5 mm ² / UL 14 AWG
Protection class (DIN 60529)	IP20
Weight	4,5 kg
Recommended protection	IEC 20 A gG UL/USA 20 A CC or J
Temperature range	-20 °C...+50 °C
Power loss	186 W
Line filter	
Weight	2 kg
Cable cross section (input)	4 mm ² / 12 AWG

Line filter	
Power loss	13 W
Dimensions (WxHxD)	83 x 426 x 41 mm
Protection class (DIN 60529)	IP20
Controller	
Type	Controller RX
PLC Fieldbus	Profinet (RT), Profibus, EtherCAT, Ethernet/IP
Protection class	IP20
Power supply	24 VDC (-15 / +20 %) SELV
Power input	25 W

* For a heavier tool weight please consult PROMESS.

** Force measuring system, static calibration in relation to the reference system / ***at thermal steady-state

All nominal values refer to 400 V mains voltage.

Tilting of the plunger due to the tool weight must be considered for a horizontal installation.

Radial forces must not exceed 8% of the nominal force of the unit.

If the ratio of pause time / cycle time is < 0,5, please consult PROMESS.

Order code: **RLWIK010D-020-030.GO**

Type

R: Master UFM / S: Slave UFM / M: Press EMF

Model

L: Line5 RX / C: Classic
P: Precision5 RX

Engine manufacturer

W: Wittur

Motor position

I: Inline / P: Parallel / U: Parallel with machine protection coupling

Nominal force

N: N / K: kN / M: MN

Force measuring

D: DMS / P: Piezo / N: without

Nominal stroke in cm

Nominal speed in cm/s

Brake

H: Holding brake / S: Safety brake

Version number

G: Basic version

For more efficiency.

XX=folgende Angaben haben keine Auswirkung auf die Anschlussmaße
following specifications have no effect to the connection dimensions

RLWIK010D-020-030 HXX / SXX

HXX

*Arbeitshub/ stroke 60 - 260 mm

SXX

813

98

95

415

392,5

375

312

*Schmierposition B: 58mm
*Lube position B: 58mm
*Nullposition: 60mm
*Zero position: 60mm

Ansicht von unten
View from below

20^{+0,5}₀

12

6xM6

65 H7

38 H7

96 H7

12

6xM6

175

276

80

857

102

43 ±0,01

6 H7/15

50 ±0,2

6 H7/10

86 ±0,2

140,5

25 ±0,01

A

B

C

Position	A		B		C	
Benennung description	Schmierstelle Lager lube point bearing		Schmierstelle Spindelmutter lube point spindle nut		Kabelabgang Kraftaufnehmer lead outlet force transducer	
Schmiermenge [cm ³] volume of lube [cm ³]	0,8		0,3		-	
	5000 h oder / or 250000 Hübe / strokes		Schmierintervall lubricating intervals		verwendetes Schmierfett used grease	
	KLÜBER- ISOFLEX NCA 15				Gewicht Weight	
	HXX/SXX				33,6 / 37,8	

Achtung/ Attention
zum Schmieren des Kugelgewindetriebs (B) muss dieser an den mechanischen Anschlag oben
gefahren werden dieser liegt bei einer Stempelposition von 58 mm 2 mm über dem Nullpunkt /
In order to lubricate the ball screw (B), it must be moved to the upper mechanical stop.
This mechanical stop is at a ram position of 58 mm (2 mm above zero position)

09/2020 technische Änderungen vorbehalten