

# 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 <sup>2</sup>
Dwell time of nominal load	min. 4 s
Weight mechanics (HGX/SGX)	35,5 kg / 39,7 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 <sup>2</sup> / UL 14 AWG
Cable cross section (output)	IEC 2,5 mm <sup>2</sup> / 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 <sup>2</sup> / 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: RLWPK010D-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

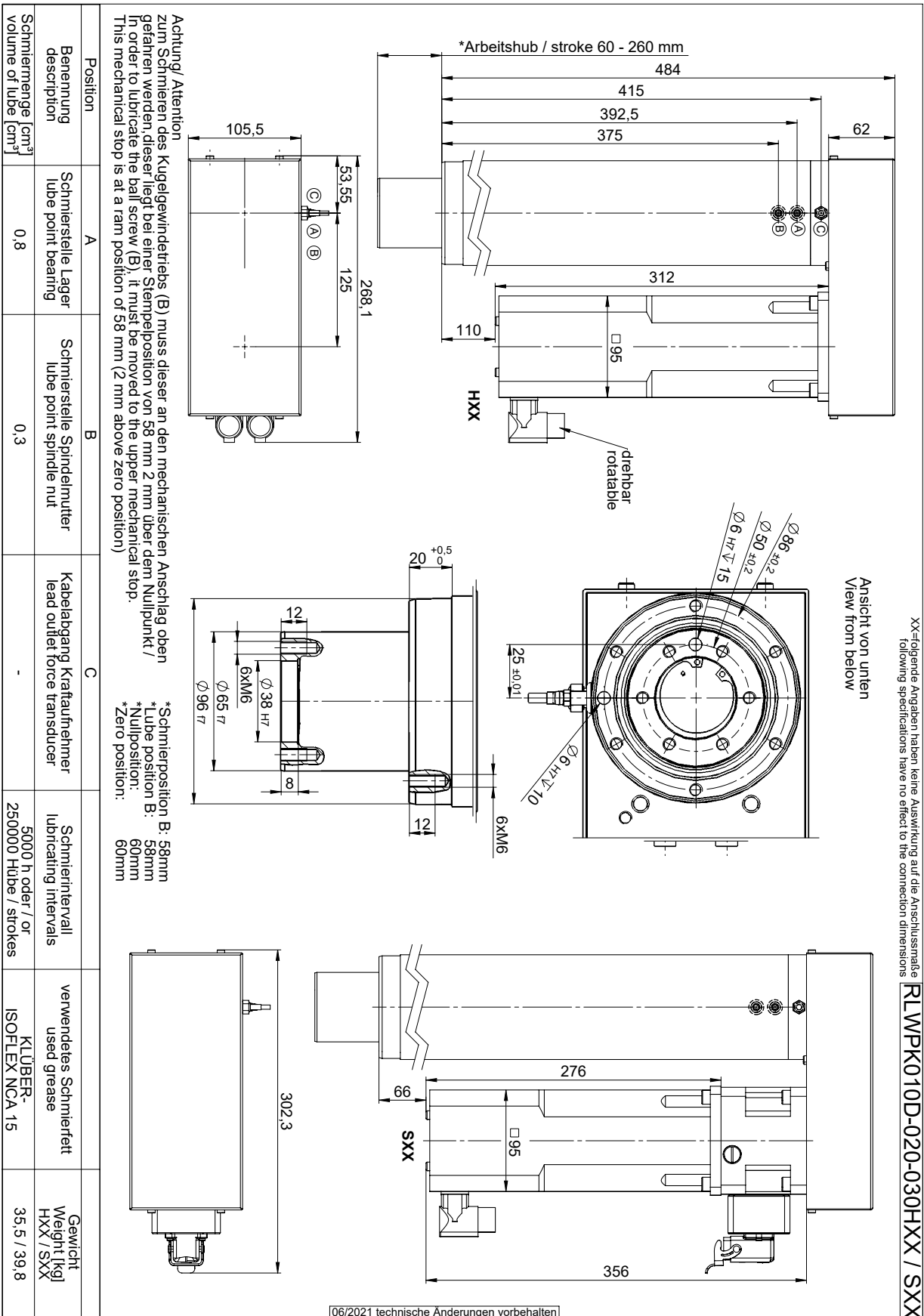
#### Brake

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

**RLWPK010D-020-030HXX / SXX**

Achtung/Attention  
 zum Schmierem des Kugelgewindetretriebs (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)

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

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 <sup>3</sup> ] / volume of lube [cm <sup>3</sup> ]	0,8	0,3	-	Schmierintervall / lubricating intervals	5000 h oder / or 250000 Hübe / strokes	Gewicht [kg] / Weight [kg]
				verwendetes Schmierfett / used grease	KLÜBER-ISOFLLEX NCA 15	HXX / SXX
						35,5 / 39,8