

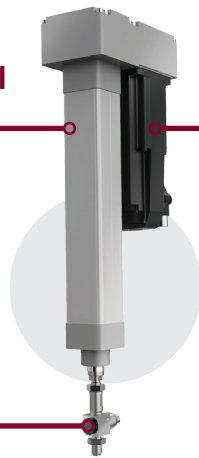


Plug & Produce with the New Smart Press Kit

With the new Smart Press Kit, Bosch Rexroth delivers - for the very first time - a ready-to-use system of proven Rexroth components for joining processes, including an easy, web-based software solution.

Electro-Mechanical Cylinder - EMC

Configurable strokes up to 400 mm
Parallel or In-Line motor attachment



Servo Motor MS2N

Latest generation of motors with absolute encoder and brake

Force Sensor

Integrated force measurement

Servo Drive IndraDrive HCS01

Integrated PLC, IndraMotion MLD and safety function STO



Industrial PC PR21

With integrated web server and data collection

The Smart Press Kit consists of perfectly matching hardware and software components. It can be used either as a standalone solution or integrated in higher-level systems via fieldbus.

I4.0 Ready

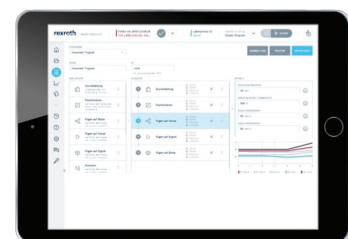
Connection via OPC-UA
Data access via ReST programming interface

Software

Web based HMI, Intuitive, Drag and Drop Programming, Create Analytics

Fieldbus Connection

to higher-level control system



**Call to schedule a live demo or visit
morrell-group.com/smart-press-kit**

Technical Information

Size	SPK 002	SPK 004	SPK 007	SPK 012	SPK 019	SPK 030
Stroke [mm]	35...400	40...400	65...400	80...400	70...400	90...400
Nominal force [lbs]	450	900	1580	2700	4270	6745
Max. force [lbs]	675	1350	2250	3370	4500	8990
Max. velocity [m/s]	0.38	0.32	0.55	0.5	0.37	0.5
Force sensor/measurement						
Measurement technology	Strain Gauge					
Measuring range [kN]	-0.3...+3	-0.6...+6	-1...+10	-1...+15	-1...+20	-1...+40
Sampling rate [Hz]	1000					
Resolution [bit]	14					
Accuracy (linearity) [% FS]	+/- 0.3					
Servo drive (with integrated motion control)						
Power supply [V]	1 x AC 110...230 3 x AC 110...230	1 x AC 110...230 3 x AC 110...230	3 x AC 200...500	3 x AC 200...500	3 x AC 200...500	3 x AC 200...500
Safety function acc. to EN 61800-5-2	Safe Torque Off (STO) ¹⁾					
Fieldbus interface	Profinet, Ethernet/IP, EtherCAT, Sercos III					
Software functions						
Max. numbers of programs	99					
Number of program steps per program	500					
Number of digital inputs/outputs	6 inputs + 1 output or 7 inputs					
Force measurements	Unlimited without resolution reduction					
Evaluation elements	Windows, envelopes, thresholds					
Ambient conditions						
Ambient temperature (operation) [°C]	0-50 °C (loss of performance at temperatures exceeding 40°C)					
IP protection class	Mechanics: Standard IP54 (up to IP65 possible) Control cabinet hardware: IP20					

¹⁾ Category 4, Performance Level e according to EN ISO 13849-1 and SIL 3 according to EN 62061

CANADA
Windsor
519-944-3877

INDIANA
Noblesville
317-849-7007

MICHIGAN
Auburn Hills
248-373-1600

OHIO
Toledo
419-365-3111

UTAH
Salt Lake City
801-566-4333

MASSACHUSETTS
Wilmington

Grand Rapids
616-583-9390

TEXAS
Dallas
800-569-9800

morrell-group.com info@morrellinc.com

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