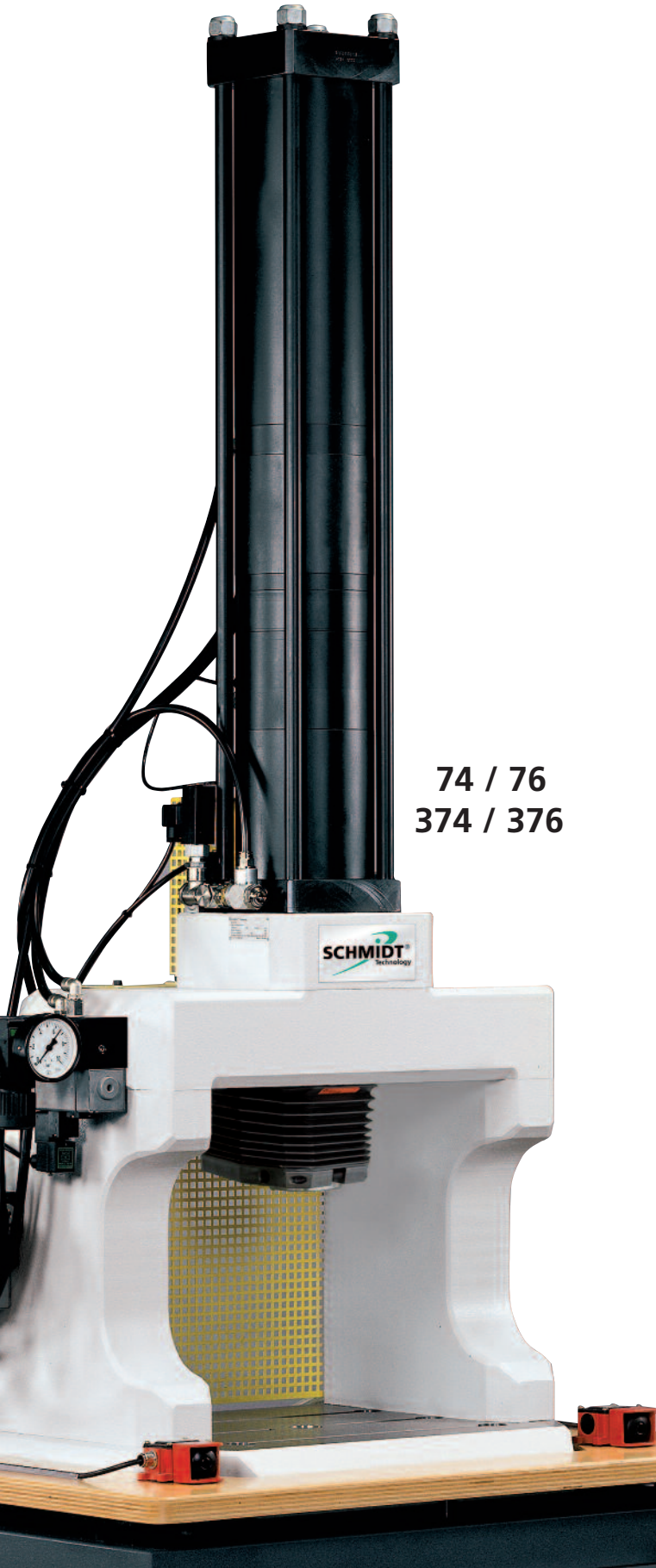


SCHMIDT® HydroPneumaticPress

H-Frame design with and without force/stroke monitoring



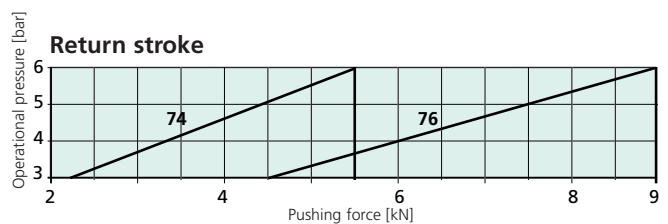
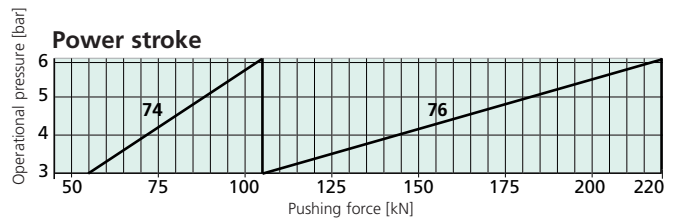
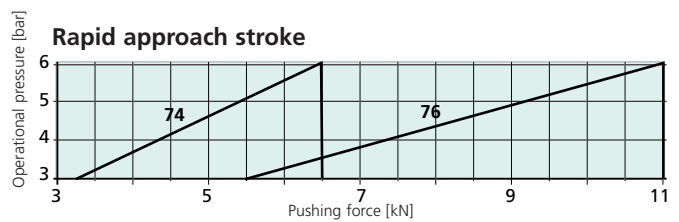
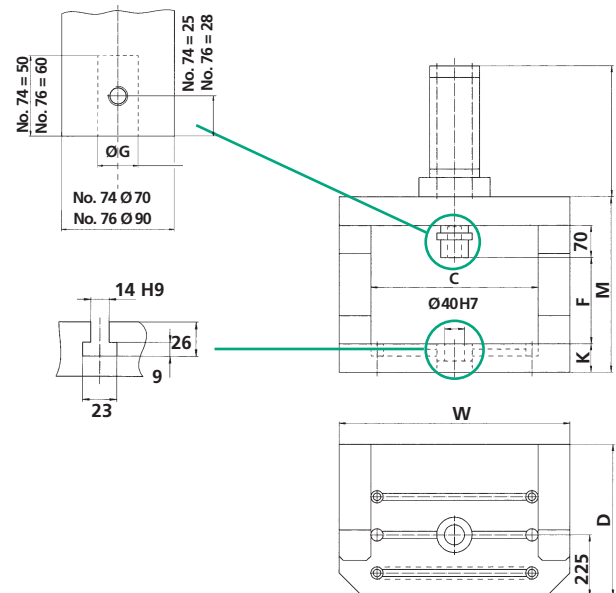
74 / 76
374 / 376



Round ram locked against rotation with TDC switch (74/76) or position measuring system (374/376) on the rotational guide rod.

Features:

- Stable frame with low bending for the absorption of high forces.
- Flexible tool location in the fixture mounting plate due to replaceable centering bushing with precision bore.
- The large working area offers sufficient space for large tools.
- The force is determined via a pressure transducer with force/stroke monitored presses.



From 100 kN to 220 kN in power stroke

Press type		74	76
Total stroke – power stroke ¹⁾	mm	100-12	100-12
Nominal force at 6 bar	kN	100	220
Ram bore (with bushing)	Ø mm	25H7	32H7
External ram dimensions	Ø mm	70	90
Working height	F mm	350	350
Table height	K mm	95	95
Frame height	M mm	640	640
Table size	W x D mm	700 x 550	700 x 550
Table bore	Ø mm	40H7	40H7
Clearance	C mm	420	420
Clearance ○	mm	520	520
Weight (standard)	approx. kg	730	760

Press type		374	376
Total stroke – power stroke ¹⁾	mm	100-12	100-12
Nominal force at 6 bar	kN	100	220
Resolution, process data acquisition			
– stroke	µm	5	5
– force	N / inc	50	100
Ram bore	Ø mm	25H7	32H7
External ram dimensions	Ø mm	70	90
Working height	F mm	350	350
Table height	K mm	95	95
Frame height	M mm	640	640
Table size	W x D mm	700 x 550	700 x 550
Table bore	Ø mm	40H7	40H7
Clearance	C mm	420	420
Clearance ○	mm	520	520
Weight (standard)	approx. kg	730	760

Options

○ = Additional charge applies

¹⁾ = Special models total stroke / power stroke on request

Please consult our Sales Department or Representative.

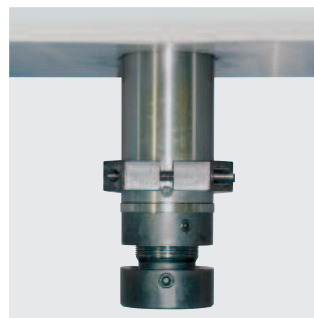
Detailed dimensional drawings can be downloaded:
www.schmidttechnology.de

Accessories



High-pressure switch

After switching from rapid approach stroke to power stroke, the oil pressure rises in the hydraulic chamber of the cylinder. The high-pressure switch can be adjusted to reach a determined press force through the output generated by the oil pressure in the press.



Adjustment bushing for SCHMIDT[®] HydroPneumaticPress No. 74 and 76 H-Frame design presses

For a simplistic adjustment of the working height with a setting range of 100 mm. This greatly reduces the need for spacers to accommodate different working heights during setup changes.



Oil pump

For a air-free refilling of the SCHMIDT[®] HydroPneumaticPress with hydraulic oil.