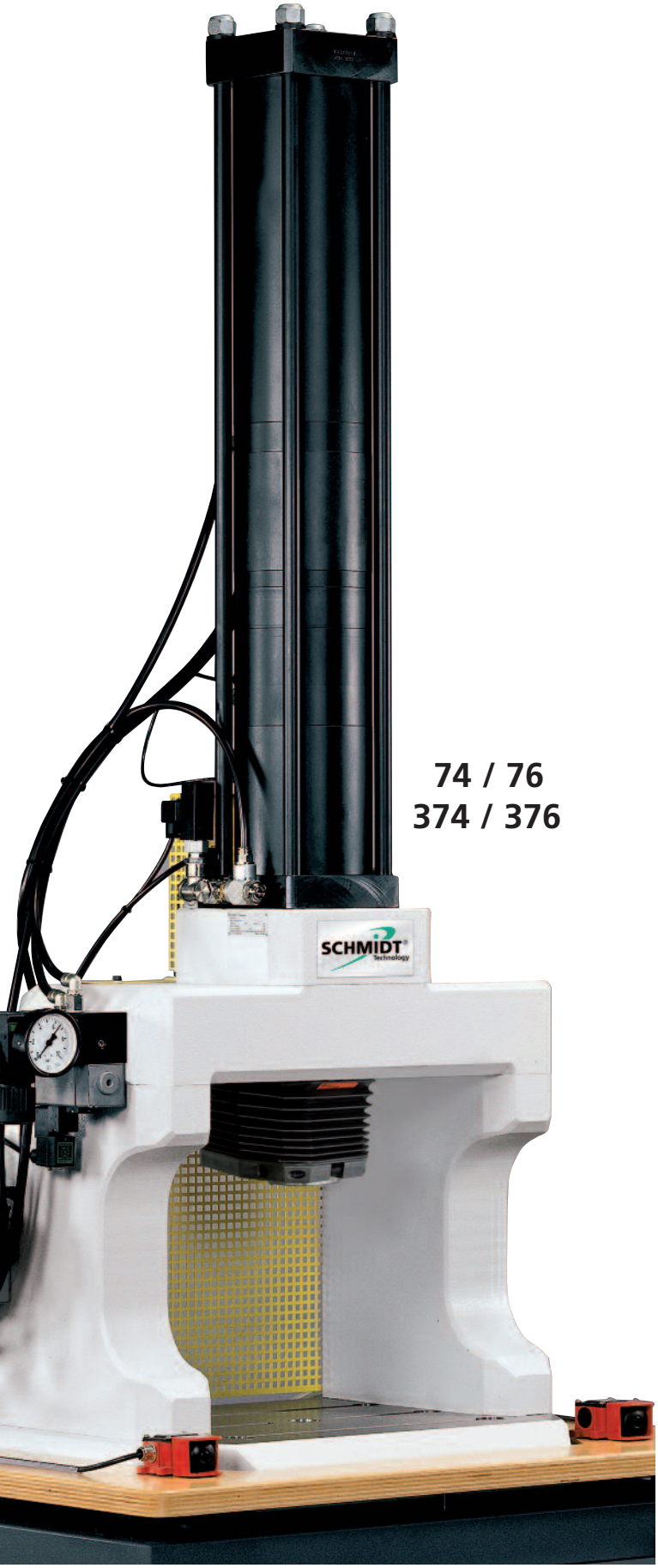
# SCHMIDT® HydroPneumaticPress

## H-Frame design with and without force/stroke monitoring

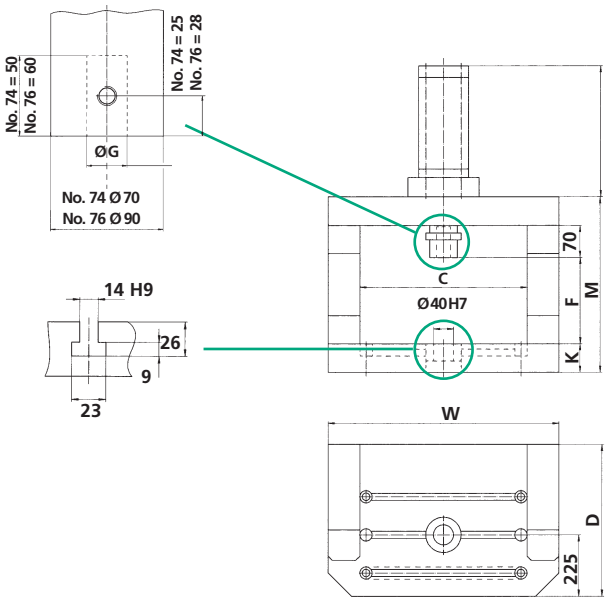


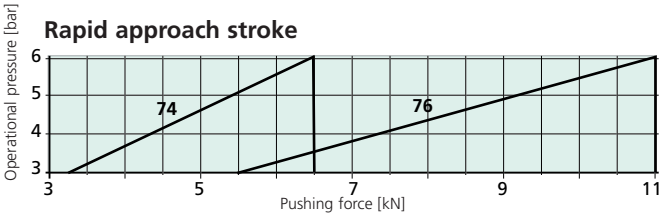

**74 / 76**
**374 / 376**

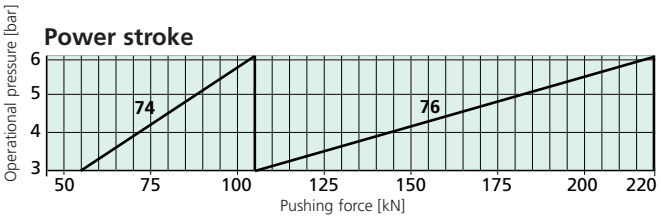
**Round ram locked against rotation** with TDC switch (74/76) or position measuring system (374/376) on the rotational guide rod.

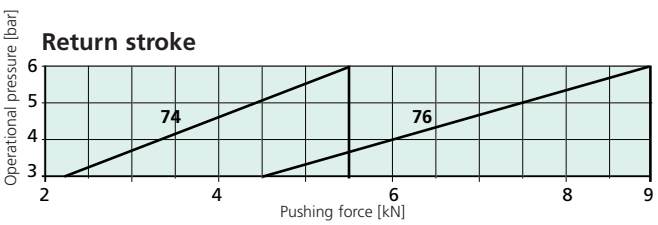
**Features:**

- 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

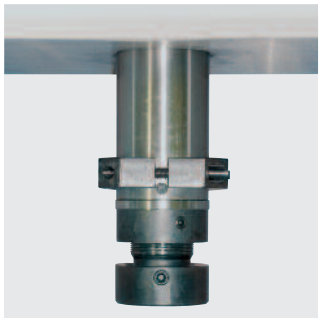
Please consult our Sales Department or Representative.

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.