

APK T range XL-APK T range with 250 mm throat



APK T 3-40
equipped with ERGO hand lever*



APK T 3-S-60



XL-APK T 3-40

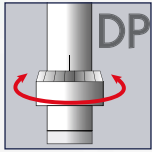
Toggle presses

Type			APK T3-40	APK T3-60	APK T3-S-40	APK T3-S-60	APK T4-30	XL-APK T3-40	XL-APK T3-60
Capacity		kN	15.0	15.0	25.0	25.0	30.0	15.0	15.0
Working stroke		mm	40	60	40	60	30	40	60
Throat	A	mm	100	100	100	100	100	100	100
Throat C-frame	H	mm	-	-	-	-	-	250	250
Daylight	B	mm	49 - 168	51 - 172	60 - 290	65 - 295	55 - 285	88 - 166	90 - 168
Daylight with DP	B	mm	35 - 154	30 - 151	46 - 274	44 - 274	34 - 264	72 - 150	69 - 147
Daylight C-frame	BB	mm	-	-	-	-	-	100	100
Table size	CxD	mm	175 x 140	175 x 140	185 x 145	185 x 145	185 x 145	200 x 200	200 x 200
T-slot width similar to DIN 650		mm	12	12	12	12	12	12	12
Ram bore Ø x Depth	E	mm	10 ^{H7} x 30	10 ^{H7} x 30	10 ^{H7} x 30	10 ^{H7} x 30	10 ^{H7} x 30	10 ^{H7} x 30	10 ^{H7} x 30
Ram bore Ø x Depth with DP			10 ^{H7} x 25	10 ^{H7} x 25	10 ^{H7} x 25	10 ^{H7} x 25	10 ^{H7} x 25	10 ^{H7} x 25	10 ^{H7} x 25
Ram Ø	F	mm	30	30	30	30	30	30	30
Space requirement	CxG	mm	175 x 300	175 x 300	185 x 320	185 x 320	185 x 320	200 x 465	200 x 465
Stand height	K	mm	425	425	520	520	520	465	465
Weight		kg	ca. 39	ca. 43	ca. 58	ca. 63	ca. 63	ca. 54	ca. 58

Accessories (see Page 7)	Please specify when ordering.								
Precision ram adjustment		DP	DP	DP	DP	DP	DP	DP	DP
Return travel lock		HS	HS	HS	HS	HS	HS	HS	HS
Counter		Z	Z	Z	Z	Z	Z	Z	Z
Table bore 12 ^{H7}		TB	TB	TB	TB	TB	TB	TB	TB

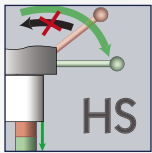
*Not included. Accessories must be ordered separately.

The accessories



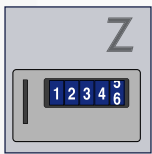
APK T range

The extra-powerful hand-operated toggle presses of the APK T 3 and APK T 4 ranges are especially suitable for the frequently changing applications in modelmaking and in the workshop. Their high forces of up to 30 kN enable them to be flexibly used for widely differing applications.



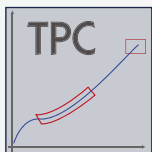
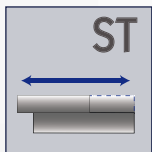
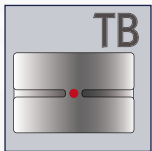
The advantages:

- ▶ Choice of different stroke lengths
- ▶ Extra-stable press base design
- ▶ Daylight easily adjustable by means of the standard press head threaded spindle height adjustment
- ▶ The nominal force of the press can be achieved with moderate applied force



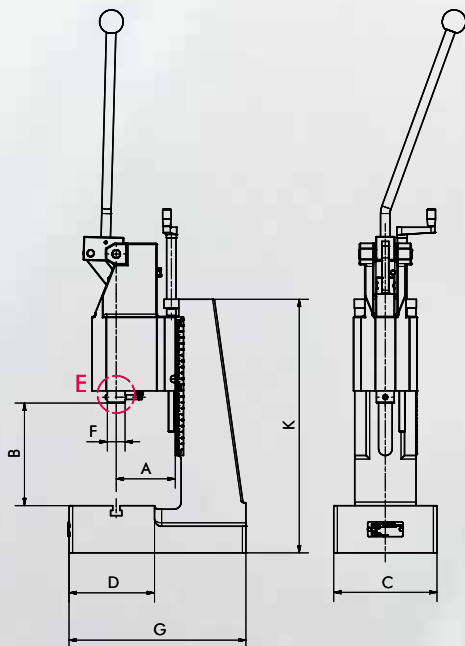
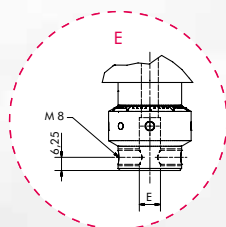
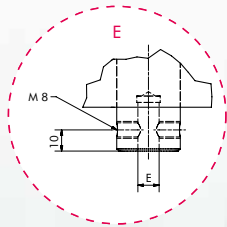
XL-APKT range with 250 mm throat

A larger throat is required wherever bulky parts are processed, e.g. the processing of printed circuit boards, sheet metal and similar parts. **mäder** XL presses with 250 mm throat are employed in such cases. The base is a stable welded structure to which different standard press heads can be fitted.

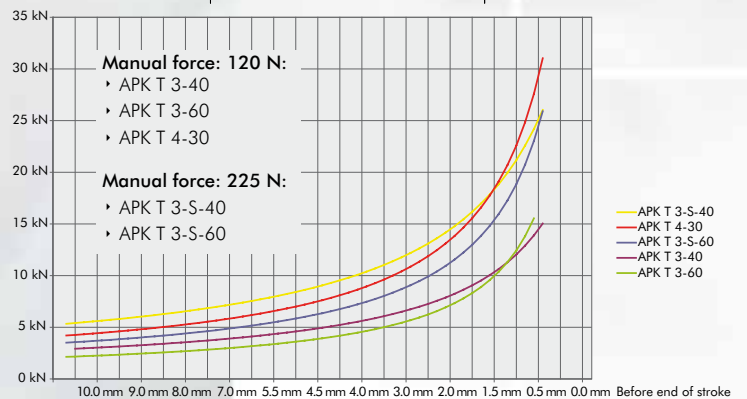
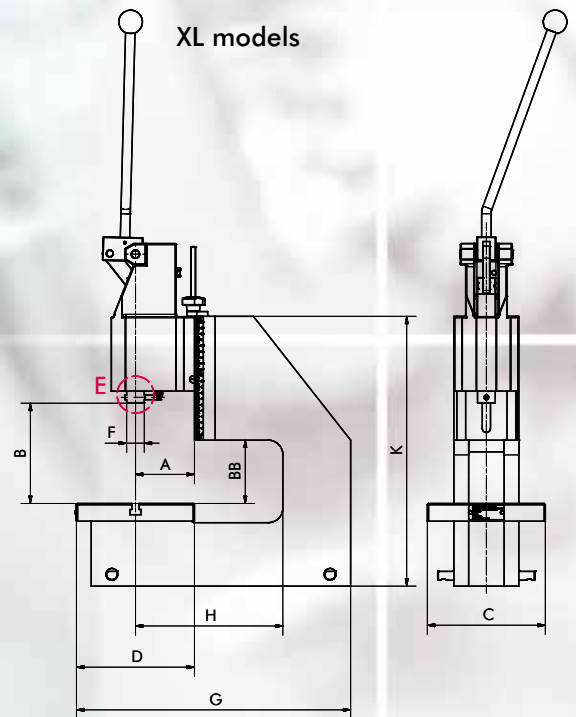


Standard

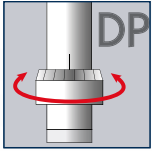
With DP



XL models



Pictograms in the catalogue show which accessories are possible for which presses.



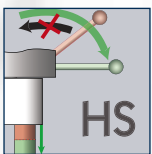
Precision ram adjustment (DP)

As toggle presses do not achieve their maximum force until BDC, adjusting the height of the press head by means of the threaded spindle is often too inaccurate. The precision ram adjustment enables the press pressure point to be precisely set directly at the ram. The scale on the adjustment ring enables the fine setting to be read off to 0.02 mm. The adjustment range is ± 1.5 mm. The precision ram adjustment is used when the utmost precision is required for the press depth. Ideal for prototype manufacture and serial production when accurate and easy adjustment within the tolerance range is required.



Micrometer stop (MICRO)

The micrometer stop is used with rack and pinion presses for high-precision assembly work or for when the tool has to be accurately positioned. This enables the press stroke length to be accurately adjusted to 0.01 mm



Return travel lock (HS)

The return travel lock for toggle and rack and pinion presses is an effective contribution to quality assurance during production. The return travel lock rules out partial strokes and therefore incomplete operations. Forming, assembly and joining operations are always reliably and completely executed, as the return stroke of the press is blocked on the downward stroke. The interlock is only released and the lever can only be returned when the stroke is complete. The Quick-Release mechanism enables this inhibit to be released and jammed parts to be removed in any position. The Quick-Release is automatically deactivated when the lever is returned.

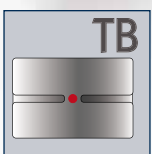
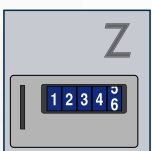
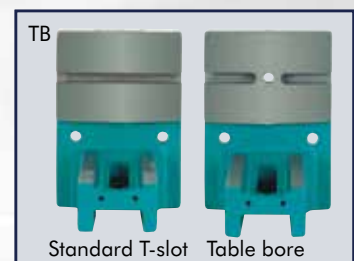


Table bore (TB)

The bottom part of the tool can be mounted in the centric table bore. Fixing is by means of a transverse screw in all models up to 80 mm throat. The table bore enables the tool to be changed quickly and reduces set-up time. The alignment accuracy of the ram bore with the table bore is < 0.05 mm.



Stroke counter (Z)

A rapid overview of the number of items produced can be obtained with the five-digit stroke counter. The number of items can be reset.

