

„Lightweight“ APH 40.5 H BR5 LW T24
(Lightweight version with splitted query)



Ratingen, den 26.02.2018

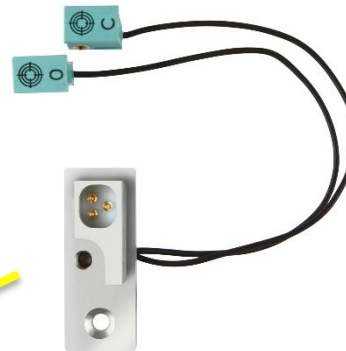
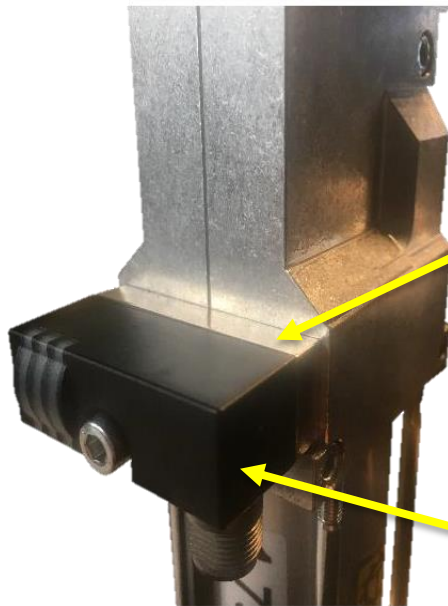
Highlights

- Free adjustable opening angle 10° - 135°
- Lightweight 1,79 kg incl. clamp arm
- Bisected query
- Repositioning function
- Pneumatic self holding due holding valves
- Encapsulated housing
- Aluminum arm with standard connection hole pattern
- Connection dimensions compatible with series 50/63
- Pneumatic cushioning in end position
- Lateral angle scale on the housing
- If the toggle joint in the upper position, unlocking and thus opening the clamp unit is possible by a release pin
- additional possibility to unlock the clamp unit in the event of air failure by actuating the valve release.



What is new?

- Weight reducing around 25%
- New splitted query set



Adapter plate

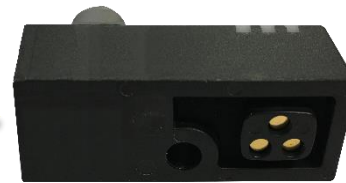
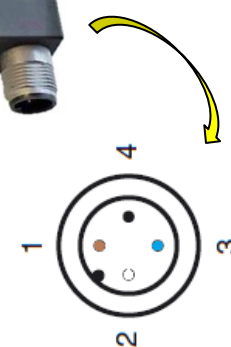


Bild: T24.2



Bild: T24.3



- Sensors are fix and fully integrated in the encapsulated housing
- Adapter plate with plug contact is firmly connected to housing
- Query block identical to U Clamp series
- Housing also completely encapsulated on the back - no slot for interrogation cassette

- Query block with electronics / LED with M12 plug with plug contact attached to adapter plate.

- Modular change concept with angle query

Performance Parameter	APH 40.5 H BR2 A60 T12	APH 40.5 H BR5 LW A60 T24	Comparison
Total length [mm]	270	270	=
Gleiche Tiefe [mm]	50	50	=
Weight with arm [kg]	2,4	1,79	-25%
Air consumption [cm ³ /bar]	145	145	=
Tightening Torque [Nm]	120	120	=

- The total weight of the clamp unit incl. clamp arm is reduced by **25%** through the weight optimization.



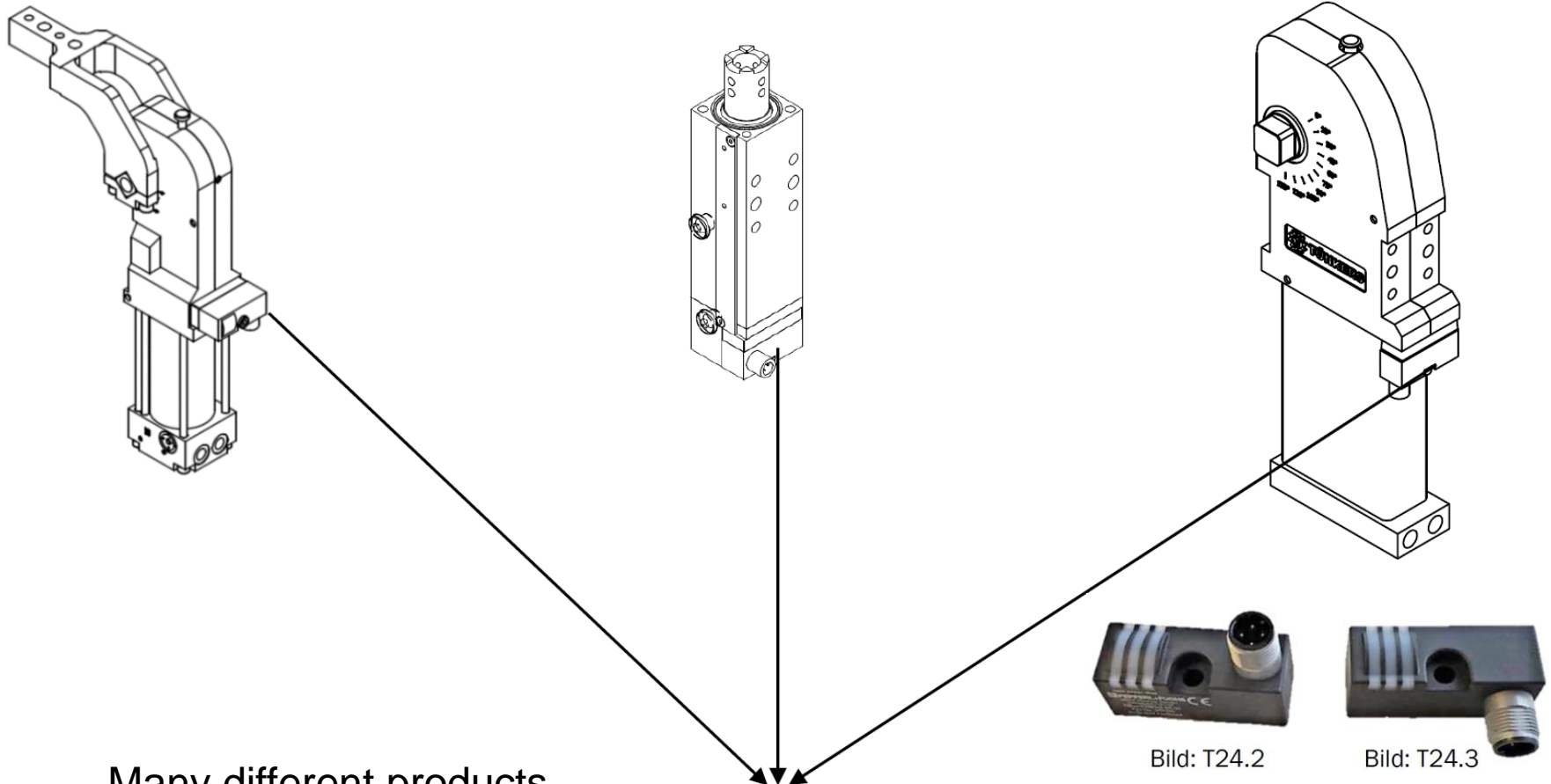
Differences

- Free adjustable opening angle 10° - 135°
- 20 mm shorter
→ Overall length < 250 mm
- ~100 g weight saving



Performance Parameter	APH 40.5 H BR2 A60 T12	APH 40.5 H BR5 ULW A60 T24	Comparison
Total length [mm]	270	250	-10%
Gleiche Tiefe [mm]	50	50	=
Weight with arm [kg]	2,4	1,7	-25%
Air consumption [cm ³ /bar]	145	125	-14%
Tightening Torque [Nm]	120	120	=

- The total weight of the clamp unit incl. clamp arm is reduced by **25%** through the weight optimization.



Many different products
(Pin unit, U clamp, ALPHA clamp, swivel unit, etc.),
however, only a maximum of 2 query blocks (T24.2 and T24.3), which
are compatible with all T24.1 product versions.

Reduction of spare parts variants in the warehouse by approx. 85%

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