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Efficient Leak Testing of Pneumatic Components during Series Production

The leak tightness of pneumatic components is one of the essential quality requirements of series production. The WEH® TW05 Quick Connector has been especially designed for the purpose of leak testing during the manufacturing process. With this connector pneumatic components with internal threads are tested faster than ever before. Connecting and pressure supplying the test piece with 5 - 12 bar is accomplished in one operation by simple actuation of the sliding sleeve. The quick connector is plugged straight into the thread of the test piece. By actuating the sliding sleeve, the patented WEH® Clamping Jaws spread apart and grip into the thread. The TW05 is connected and seals tightly. When the sliding sleeve is brought completely forward the test piece is pressurized and the test media (compressed air) is supplied. Now testing can begin. Pneumatic cylinders, pneumatic valves, pneumatic tools, air engines, fixtures, pivot drives etc. thus can be connected in just seconds and then checked for leak tightness and function. For automatic testing the TW05 connector can also be provided with a control housing instead of the sliding sleeve. Thereby, the actuation of the connector is performed via external pilot and pressure lines.

With the TW05 connector internal threads of the most diverse connection configurations can be checked – metric ISO threads according to DIN13, Whitworth pipe threads according to DIN ISO 228-1, conical Whitworth pipe tubes (BSPT), NPT threads, SAE O-ring Boss, etc. Even for pneumatic mini-cylinders with M5 internal threads, WEH offers the corresponding TW05 Quick Connector. Customer-tailored special solutions like an extended TW05 connector for testing in places where space is restricted, round off the product range.

Info:

1.841 charts (incl. spaces)

Enclosure:

2 Product pictures