

The Atlas Copco logo is positioned in the top right corner of the image. It consists of the brand name "Atlas Copco" in a white, serif font, centered between two horizontal white bars. The background of the logo is a solid teal color.A technical drawing overlay is located in the bottom left corner, partially overlapping the teal background. It features a circular cross-section of a mechanical part with various dimensions and labels such as "1350/164-31", "1350/164-21", "CC(1.3)", "Ø10", "Ø12", "10.8", "18.5", "10.5", and "14.8".

QST / STR Comparison

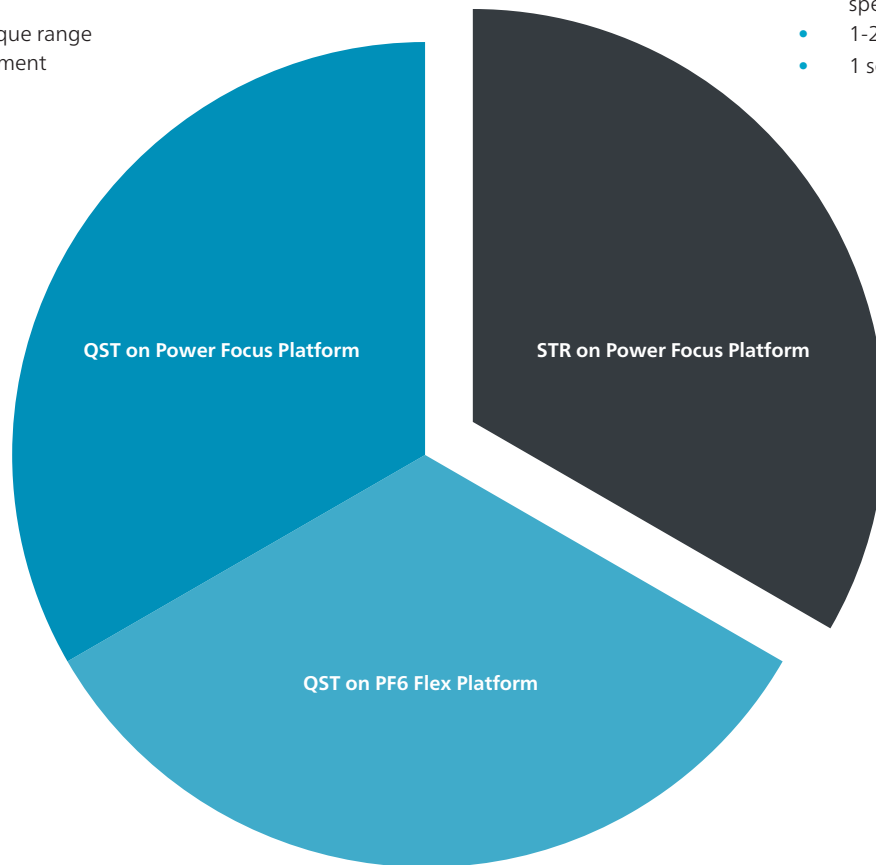
QST / STR Comparison

QST on Power Focus Platform

- Fixtured spindle up to 6 QSTs with StepSync
- 220V requirement
- 1 million cycle PM
- +/- 2.5% accuracy straight tools/
+/-5% offset & angle tools
- Robust cable connection –
2 Axil rotational design
- Specialty spindle-travel
configuration
- 1-4000 Nm torque range
- Reject Management
- DynaTorque

STR on Power Focus Platform

- Handheld with fixtured capability
- 110 or 220V requirement
- 250,000 cycle PM
- +/- 5% accuracy
- Fast running speeds
- Light weight
- Low reaction strategy support
- Right angle, inline, pistol grip &
specialty head configurations
- 1-200 Nm torque range
- 1 second on, 4 seconds off duty cycle



QST on PF6 Flex Platform

- Fixtured spindle up 40 channels (QST 34)
- Compact controller/carrier units for mounting on powerheads
- 480V requirement
- 1 million cycle PM
- +/- 2.5% accuracy straight tools/ +/-5% offset & angle tools
- Robust cable connection – 2 Axil rotational design/ATI quick disconnect
- Specialty spindle-travel configuration
- 1-16,000 Nm torque range
- Reject Management
- DynaTorque

QST and STR with Power Focus FBV

QST with PF6 FlexSystem FBV

| Feature | Benefit | Value |
|---|---|--|
| Compact/modular carrier units | Excellent mounting capability - Mounting on powerheads | Reduction in system footprint up to 95%, improved automation integration |
| Shorter cable runs between QST tool and carrier | Improved cable management | Reduced installation costs and cable length up to 85% |
| Partitioned software support | Current and stored software version | Increased uptime and improved productivity |
| Support for up to 40 spindles | Plug and play spindle connectivity | Scalable integration and line balancing |
| ToolsTalk 2 & ToolsNet 8 support | Software commonality | Reduced training and improved analytics |
| Fast running speeds | Supports full spindle running speed capability | Faster cycle times |
| Support of advanced tightening strategies | DynaTorque and Reject Management | Improved accuracy and reduced re-work |

QST with Power Focus FBV

| Feature | Benefit | Value |
|---|--|---|
| Power Focus controller support | Commonality with handheld controller and software platform | Intuitive operator experience and reduced training time |
| Safety-critical accuracy | +/- 2.5% accuracy | Reduced errors, re-work and scrap |
| Require less preventative maintenance | 1 million-cycle PM | Increased uptime and improved productivity |
| Support of advanced tightening strategies | DynaTorque and Reject Management | Improved accuracy and reduced re-work |
| Fixtured spindle | No reaction to the operator | Excellent ergonomics and operator experience |
| Runs on standard 220v power supply | Specialty power supply (480V) is not needed | Reduced power draw and lower installation cost |

STR with Power Focus FBV

| Feature | Benefit | Value |
|--|--|---|
| Handheld with optional fixturing accessories | Wide range application integration | Increased productivity and line balancing |
| Support for low reaction tightening strategies | TurboTight and TensorPulse reduce reaction assumed by the operator | Better ergonomics, improved operator experience, reduced reaction hardware |
| Onboard operator feedback | Immediate results reporting | Improved error-proofing and reduced re-work, defects, and scrap |
| I/O Bus and fieldbus support | Multiple methods for communication between the tool and customer systems | Optimized productivity and connectivity |
| Built in gyroscope (ETV and ETT models) | TrueAngle support | Improved accuracy and error-reduction, elimination of operator influence on the tightening result |
| Dual accessory bus | Ability to support 2 onboard accessories | Improved operator feedback, safety and experience |



Atlas Copco Tools and Assembly Systems

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atlascopco.com

