

# QST34 nutrunner

## A high-end solution for low-torque applications

*We proudly present the latest additions to our QST spindle portfolio, the QST34-20CT and QST34-8CT. With all the benefits of the Power MACS 4000 controller, transducers adapted for low torque applications, extremely short center-to-center distances and outstanding speed characteristics, Atlas Copco offers a high-end solution for low-torque applications.*



### Flexible, reliable and compact

In the vehicle manufacturing industry the use of light-weight materials such as aluminum and magnesium is becoming increasingly common. Accordingly, demand is growing for more advanced tightening strategies and equipment, especially at low torques. Atlas Copco's QST34-20CT and QST34-8CT are a high-end solution for the low-torque segment of fixtured tools.

The wide torque range of the spindle, down to 20% of the rated torque, makes the QST 34 suitable for large angle and yield tightening strategies. It also means that the same spindle type can be used at several stations in a line. This offers major savings due to a reduction in the number of spare parts and shorter mean time to repair. The low weight and outstanding speed characteristics of the QST34 make it an attractive choice for robot applications and the effective elimination of bottlenecks.

Due to the use of proven gear ring transducer technology, the spindle is less sensitive to external forces and disturbances, thus ensuring high quality tightening performance. The QST34 spindles offer the same robust mechanical and

electrical design and smart functionality as the bigger models in the QST family. With a C-C distance of only 34 mm, the new QST's make tricky bolt patterns a thing of the past.

#### Suitable joints

- Joints with M5 and M6 bolts
- Bolts made of aluminum or magnesium
- Joints where Torque, Torque plus Angle and Yield tightening strategies are used

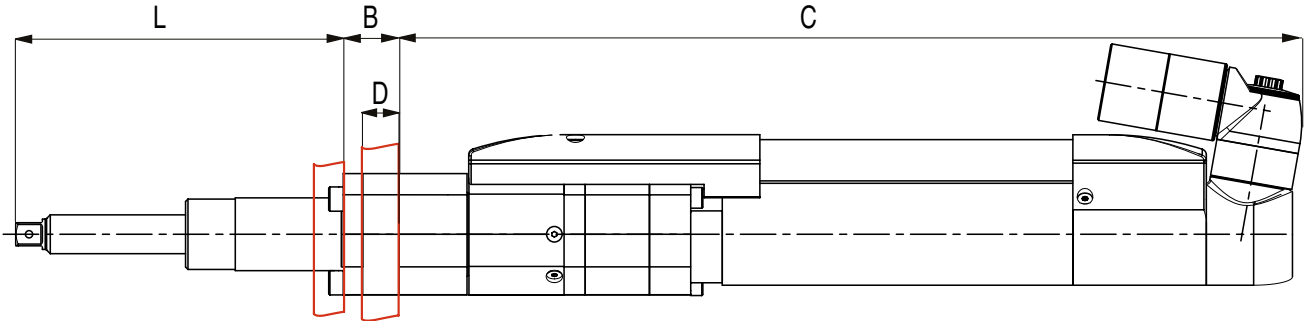
#### Target applications

- Robot applications (stitching)
- Gearbox lines
- Sun roof applications
- Smaller engines like marine engines, snowmobiles and motor-cycles

**Atlas Copco**

## Technical data QST34

Model	Travel mm	Torque		Speed r/min	Min c-c	Weight		Socket holder	L	B	C	D	E	Ordering No.	Socket Ordering No.
		Nm	ft lb			kg	lb								
QST34-8CT-T50-L150-H6	50	2-8	1.5 - 6	3000	34	2.0	4.4	1/4"	150	16.5	358.5	10	-	8435 6000 10	4230 2753 01
QST34-20CT-T50-L150-H10	50	4-20	2.9 - 14.7	1000	34	2.0	4.4	3/8"	150	16.5	358.5	10	-	8435 6010 10	4230 2753 00



Flexible connector makes cable management easy and reduces stress in the cable.

Digital communication between spindle and controller.

The durable QST motor can provide rundown speeds of up to 3,000 rpm.

Transducer with wide torque range that withstands external forces and vibrations.

Electronic chip in spindle.

Both sandwich and pilot mount possible.

34 mm center-to-center distance.

50 mm travel as standard.