

## SPOKE ADAPTORS

The **spoke adaptors** clamp **solidly** and **quickly** to the handwheel and can turn in both directions, **with or without a rising stem**. It is available in two versions – one that adapts to flat or slightly tapered (< 30°) handwheels; a second for tapered handwheels (> 30°).

The adaptor has a strong hold on the handwheel and also fixes firmly to the actuator, providing complete **safety** during manoeuvres, even in difficult positions.

These adaptors **save a significant amount of time and money** as there's no need to buy and install a drive plate for each handwheel.

## SPOKE ADAPTORS FOR FLAT HANDWHEELS (FSA/FSB)

These adaptors should be used for **flat or slightly tapered handwheels** (spokes at an angle < 30° in relation to the wheel's plane).

A choice of four models are available according to the **number of spokes** in the handwheel you want to turn and the **maximum diameter of the rising stem**.

These adaptors can be used with a **straight or right angle actuator** using the **KTA001** interface (for the FSA) and **KTA002** (for the FSB), and with a **banjo head** in conjunction with the **TTA001** interface (for FSA) and **TTA002** interface (for FSB) (see technical sheet 13).



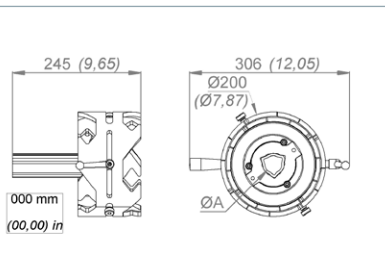
FSA245 & FSB245

For 2, 4 or 5 spokes handwheels



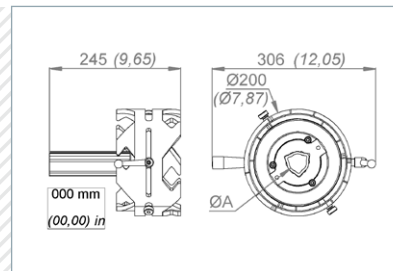
FSA356 & FSB356

For 3, 5 or 6 spokes handwheels



	«A» mm (in)	Weight kg (lb)
FSA	32 (1,26)	5,2 (11,5)
FSB	50 (1,97)	5,2 (11,5)

Maximum allowed torque:  
800 Nm (590 lb.ft)



FSA adaptors require the KTA001 interface with a straight or right angle drive head and the TTA001 interface with a banjo head.

FSB adaptors require the KTA002 interface with a straight or right angle drive head and the TTA002 interface with a banjo head.

### IMPORTANT

For your comfort and safety, please carefully read the instruction manual before using the portable valve actuator.

## ► SPOKE ADAPTORS FOR TAPERED HANDWHEELS (CSA/CSB)

These adaptors should be used for **tapered handwheels** with spokes at an angle greater than 30° in relation to the wheel's plane. A choice of six models are available according to **the number of spokes in the handwheel you want to turn and the maximum diameter of the rising stem.**

These adaptors can be used with a **straight or right angle actuator** due to the **KTA001** interface (for FSA) and **KTA002** (for FSB), and with a **banjo head** in conjunction with the **TTA001** interface (for FSA) and **TTA002** interface (for FSB) (see technical sheet 13).

These adaptors **save a significant amount of time and money** as there's no need to buy and install a drive plate for each handwheel.



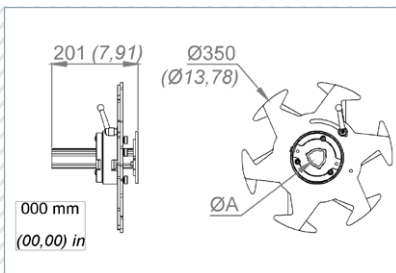
CSA003 &amp; CSB003



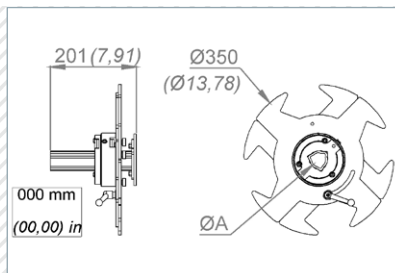
CSA004 &amp; CSB004



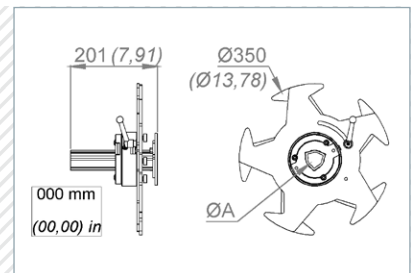
CSA005 &amp; CSB005



FOR 3 OR 6 SPOKES HANDWHEELS



FOR 2 OR 4 SPOKES HANDWHEELS



FOR 5 SPOKES HANDWHEELS

	«A» mm (in)	Weight kg (lb)
FSA	32 (1,26)	4,2 (9,3)
FSB	50 (1,97)	4,2 (9,3)

Maximum allowed torque:  
800 Nm (590 lb.ft)



CSA adaptors require the KTA001 interface with a straight or right angle drive head and the TTA001 interface with a banjo head.

CSB adaptors require the KTA002 interface with a straight or right angle drive head and the TTA002 interface with a banjo head.

### IMPORTANT

For your comfort and safety, please carefully read the instruction manual before using the portable valve actuator.