

# 3-jaw and 4-jaw **Torque Chucks**

When seeking to hold small components or assemblies for torque testing it is often possible to utilise the flexibility provided by a standard machine-chuck. Mecmesin has taken off-the-shelf chucks and adapted them to fit to our Vortex and Helixa Torque Testing Systems and 'TS' Torque screwdrivers to create a simple and affordable gripping solution.

## **Vortex 4-jaw Torque Chucks**

3 models in the range. Each 4-jaw chuck is delivered with 3 sets of interchangeable jaws which can quickly and easily be fitted using the fixing screws supplied.

• Upper 'key-operated' 4-jaw Chuck (small) fitted with a square-drive adapter for connection to Vortex torque sensors.

Supplied with dedicated chuck-key.

Recommended for use only with 6 N.m and 10 N.m sensors.

Part no: 432-444

Max opening of chuck = 50 mm Weight including jaws: 490 g

 Lower 'key-operated' 4-jaw Chuck (small) fitted with a round shaft for connection to the motor spindle of Vortex torque stands.

Part no: 432-496

Max opening of chuck = 50 mm Weight including jaws: 490 g

• Lower 'keyless' 4-jaw Chuck (large) fitted with a round shaft for connection to the motor spindle of Vortex torque stands. Jaws may be tightened by hand or using the levers provided Part no: 432-445

Max opening of chuck = 80 mm Weight including jaws: 1400 g



▲ Lower 'keyless' 4-jaw Chuck shown with tightening levers

#### Interchangeable Jaws







Jaw openings for upper and lower key-operated chucks (432-444 and 432-496)				
Mini jaws	min 1 mm - max 16 mm	Contact height: 28 mm		
Standard jaws	min 22 mm - max 34 mm	Contact height: 10 mm		
Long jaws	min 6 mm - max 22 mm	Contact height: 29 mm		

Jaw	Jaw openings for lower keyless chuck (432-445)			
Mini jaws	min 1 mm - max 37 mm	Contact height: 31 mm		
Standard jaws	min 37 mm - max 72 mm	Contact height: 14 mm		
Long jaws	min 10 mm - max 42 mm	Contact height: 32 mm		

#### Helixa 3-jaw Torque Chucks

5 models in the range. Each 3-jaw chuck is delivered fitted to an adapter specifically to suit the Helixa Precision Torque Tester.

- Upper 'key-operated' 3-jaw Chuck fitted with a square-drive adapter for connection to Helixa torque sensors. Recommended for use only with 3 N.m and 6 N.m sensors:
  - 2 3/82 version.

Max opening of chuck = 9.5 mm

Weight: 200 g
Part no: 432-615

2 1/22 version.

Max opening of chuck = 12.7 mm

Weight: 300 g Part no: 432-617

- Lower 'key-operated' 3-jaw Chuck fitted with a round shaft for connection to the 'quick-change' adapter on the motor spindle of Helixa torque stands:
  - 2 3/82 version.

Max opening of chuck = 9.5 mm

Max opening of chuck = 12.7 mm

Part no: 432-616



▲ Upper and lower 'key-operated' 3-jaw Chucks shown fitted to Helixa

• Lower 'keyless' 3-jaw Pin Chuck fitted to the adapter on the motor spindle of Helixa torque stands:

Max opening of chuck = 3.2 mm Part no: 432-509

# 'TS' Torque Screwdriver 3-jaw Chuck

A 3-jaw chuck is available for use with Mecmesin 'TS' Torque screwdrivers. It has a  $\mathbb{Z}$ " opening and is being connected to the 'TS' screwdriver via a square drive spindle.



▲ Lower 'keyless' 3-jaw pin chuck shown fitted to adapter

The 22 chuck is supplied as standard with every new 'TS' Torque Screwdriver.

## **Specifications**

Part No.	Jaw Opening		Weight	
432-233	9.5 mm	3/82	170 g	0.37 lb







FS 58553

Mecmesin reserves the right to alter equipment specifications without prior notice.  ${\sf E\&OE}$ 

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