



## Instructions for fitting

Determine the size of the expander required by referring to the diagram above and chart below:

Tube Dimensions	Inside Diameter with Various Tube Wall Thicknesses				Part Colour	Adapter Expansion Range
	Outside Diameter					
	1.6mm (16G)	1.4mm (17G)	1.2mm (17G)	0.9mm (20G)		
Square 22.2mm (7 /8")	19mm	19.4mm	Not Recommended	Not Recommended	Brown	18.5-21mm
Square 25.4mm (1")	22.2mm	22.6mm	Not Recommended	Not Recommended	Grey	21.5-24mm
Round 22.2mm (7 /8")	19mm	19.4mm	19.8mm	20.4mm	Brown	18.5-21mm
Round 25.4mm (1 “)	22.2mm	22.6mm	23mm	Not Recommended	Grey	21.5-24mm

## Assembling the expanding adaptor to the castor

1. Select the appropriate expander sleeve from the table above.
2. Select the correct cone size either 19mm or 22mm
3. The castor comes pre-fitted with the 22mm square sleeve (grey). If this sleeve is unsuitable for use in your application then remove the cone and sleeve from the bolt stem and then dismount the cone from the sleeve. Re-fit the appropriate sleeve onto the bolt stem (with the locating lugs facing down). Insert the cone into the tapered end of the sleeve, making sure that the tabs on the cone lock into the downward opening slots (not the upward opening slots) of the sleeve.
4. Screw the cone/sleeve assembly down until the locating lugs of the sleeve just sit into the opposing slots that are positioned on the top of the castor surrounding the centre bolt hole.

## Fitting the castor to the tube leg

1. Insert the expanding adaptor fully into the tube (whilst fitted to the bolt shaft). Ensure that the locating lugs on the underside of the sleeve are sitting in the slots on the top of the castor.
2. Apply the castor brake or alternatively (if non-braked castor) hold the top head race of the castor to prevent it from spinning while turning the expander bolt clockwise with a 13mm spanner (not included).
3. Tighten the expander firmly to a torque level that can be applied with a normal spanner using your index and middle fingers (approx 25 Nm). It is common to see evidence of swelling of the tube when the expander has been sufficiently tightened. Stop tightening once swelling has been observed as further tightening may split the tube and destroy the expanding adaptor.



## Maintenance

1. Castors fitted with expander fittings should be re-tightened (refer point 3 of fitting the castor to the tube leg) after 30 days use and then re-tightened every 6 months thereafter.
2. In the event that the castor wheel becomes unserviceable, castors can be removed using the following process:
  - Apply the castor brake or alternatively (if non-braked castor) hold the top head race of the castor to prevent it from spinning.
  - Turn the expander bolt anti-clockwise with a 13mm spanner to loosen the expander fitting. When loose, tap the bolt head, this will act to drive the cone away from the sleeve. The castor should then be easy to remove from the tube.



QTY	PART	DESCRIPTION	COLOUR	IMAGE
1	16019	100mm Grey Rubber Swivel Castor		
		OR		
1	16020	100mm Grey Rubber Swivel Castor with Brake		
		OR		
1	16021	125mm Grey Rubber Swivel Castor		
		OR		
1	16022	125mm Grey Rubber Swivel Castor with Brake		
1	MOKER19	Round Expander Sleeve 19mm	Brown	
1	MOKER22	Round Expander Sleeve 22mm	Grey	
1	MOKES19	Square Expander Sleeve 19mm	Brown	
1	MOKES22	Square Expander Sleeve 22mm	Grey	
1	MOKCT19	Expander Cone	Purple	
1	MOKCT22	Expander Cone	Blue	