

## AERIS® VALVE STEM LENGTH AND HOSE ASSEMBLY COMPATIBILITY

Here at STEMCO, product quality and passing value on to you are very important to our business model. One way you can help us better serve you, is by being aware of the variables used to determine your proper replacement hose assembly's product number. There are many speed bumps that can be avoided early on if we take these prevention steps together.

### Preventable Problems:

- Hoses rubbing on wheel openings reducing the product lifespan
- Assuming the perfect fit when there's no standard valve stem length
- Delays in system installations
- Mis-ordering from over 20 STEMCO hose assembly part numbers

### List of Components that change the Hose Assembly Length:

- Valve Stem Length
- Valve Stem Angle
- Wheel Diameter
- Hub and Wheel Clocking
- Steel or Aluminum Wheel Material
- Inner or Outer Tire Connections

**AERIS® Product Number & Hose Length Summary**

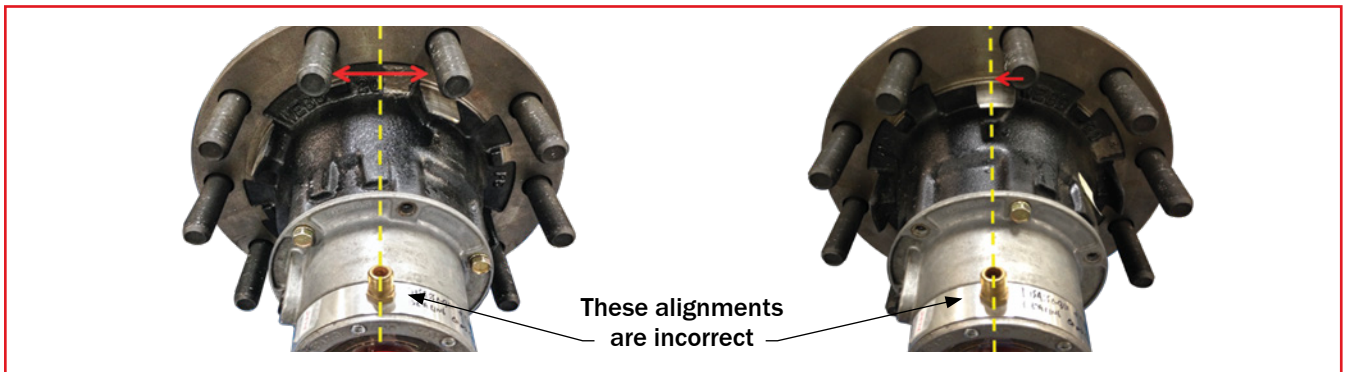
WHEEL SIZE	STRAIGHT FITTING (Inside Dual)		180° FITTING (Outside Dual)		SUPER SINGLE (Straight Fitting Only)
	5 Hand-Hole Steel	Aluminum, 2 Hand-Hole Steel <i>or</i> 10 Hand-Hole Steel	5 Hand-Hole Steel	Aluminum, 2 Hand-Hole Steel <i>or</i> 10 Hand-Hole Steel	Aluminum Or Steel
<b>24.5"</b>	14" – <b>831-0524</b>	13" – <b>831-0522</b>	10" – <b>831-0514</b>	10" – <b>831-0514</b>	N/A
<b>22.5"/19.5"</b>	13" – <b>831-0522</b>	12" – <b>831-0520</b>	9" – <b>831-0512</b>	9" – <b>831-0512</b>	12" – <b>831-0520</b>
<b>17.5"</b>	10" – <b>831-0516</b>	10" – <b>831-0516</b>	8" – <b>831-0500</b>	8" – <b>831-0500</b>	N/A

## Hub and Wheel Clocking for AERIS® Hubcaps on Meritor hubs with 5 Hand Holes Wheels:

Wheels with 5 hand holes require special clocking of the hub and wheels to ensure proper fit of hoses. There are three possible clock positions that can be used when mounting the hubcap to the hub. By lining up the hubcap hose fittings with the wheel studs, the hubcap can be properly clocked to the hub.



**Figure 1: Best Hub and Wheel Clock** - Hubcap fitting slightly clockwise from stud, inner tire valve stem counter clockwise from fitting, outer tire valve stem slightly clockwise from fitting.



**Figure 2: Poor Hub Clocking** - Hubcap fitting centered between studs, slightly counterclockwise from stud.

Please contact your STEMCO sales representative with questions or concerns.