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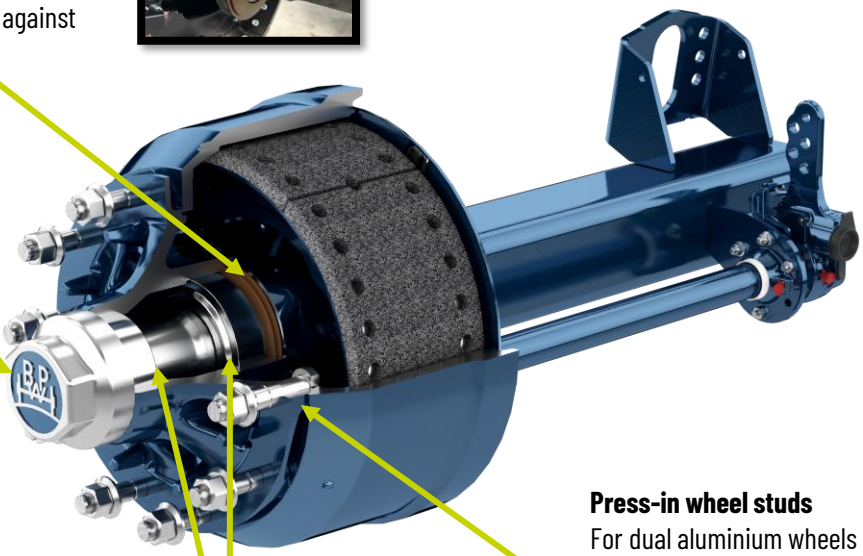
BPW Conventional Axle
Hub unit Features

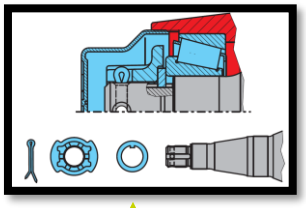
100% BPW

Warranty
1 Year/ 200 000km

Thrust washer and composite seals
Simple design, therefore low maintenance.
Twin composite seals mounted onto a stepped thrust washer.
Additional labyrinth gland protects against course dirt particles.

Hub cap
Screw-in hub cap with O-ring.
Low tightening torque of 350 Nm.



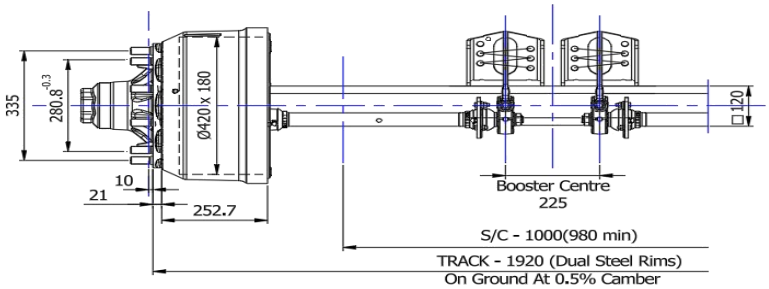


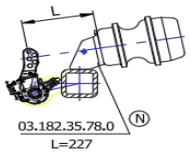
Axle nut unit
Standard axle nut with wear washer and split pin

Stepped bearings
For ease of removal and replacing of the hub/ drum unit.

Roller bearings
Standard Din tapered roller bearings used in ECO Plus axles.

Press-in wheel studs
For dual aluminium wheels as standard.
2 Centering bushes per side as standard for centering rims.





Axle Part number	Track	Booster Centre	Camshaft 05.097.05.	Booster layout	Automatic slack adjusters	ABS
27.40.743.270	1920 - Steel rims 1940 - Aluminium rims	225	29/30.4	N	Yes	Yes

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BPW Conventional Axle

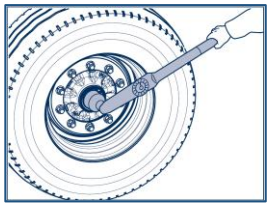
Hub servicing and bearing adjustment

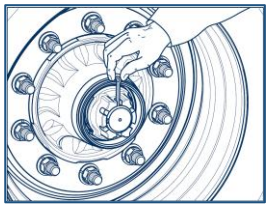
Hub unit special tools

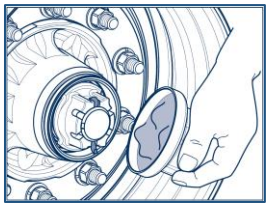
Axle nut socket
03.364.24.03.0 - SW 80

Hub nut socket
03.364.29.03.0 - SW 110

Hub cap removal spanner
03.339.05.04.0 - SW 110







Yearly hub service

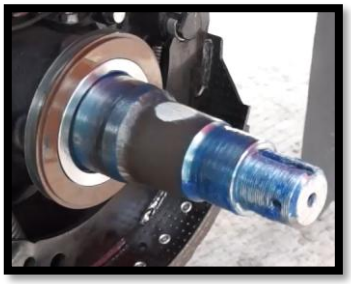
1. Remove the hub from the axle.
2. Remove all components from the hub.
3. Wash the bearings and inspect for damage.
4. If no damage is visible, regrease the bearings with **BPW ECO Li Plus grease**:
    1. Inner bearing – 33118 - 180g of grease.
    2. Outer bearing – 33213 - 320g of grease. The outer bearing is fed via the hub cap.
5. No lubricant in the hub cavity.
6. Inspect the stepped thrust washer, and replace if necessary.
7. Replace the composite seals yearly.

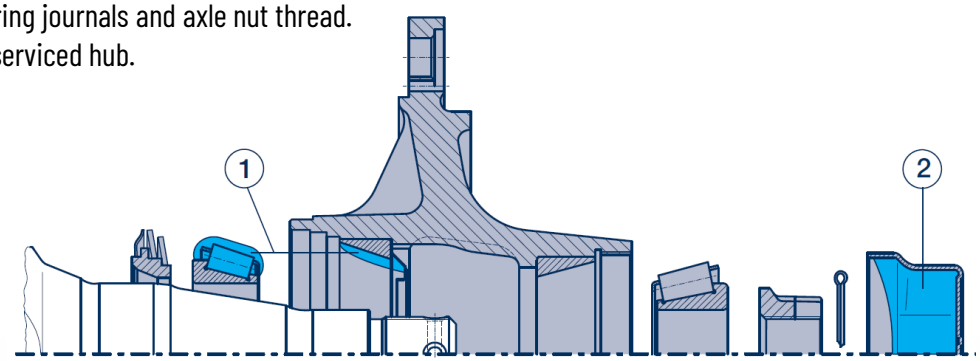
Axle stub preparation

1. Clean and dry the stub axle.
2. Apply a thin layer of **BPW ECO Li Plus grease** onto the bearing journals and axle nut thread.
3. Replace the serviced hub.

Bearing Adjustment

1. Unscrew the hub cap.
2. Remove the axle nut split pin.
3. Tighten the axle nut using a torque wrench and socket (SW 80) to 150 Nm whilst simultaneously turning the wheel hub.
4. Turn the axle nut back to the next possible pin hole. Should they be in line turn back to the next hole (30º at the maximum).
5. Inset the split pin.
6. Refill the hub cap as required **with BPW ECO Li Plus grease.**
7. Replace the O-ring on the hub.
8. Tighten the hub cap using a torque wrench and socket (SW 110) to 350 Nm.





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