NEW GENERATION LANDING LEG- GEN 2 FACELIFT

Introduction

BPW is introducing an updated landing leg generation referred to as the “Gen 2 Facelift”. This landing leg generation has several improvements that enhance the resilience of the landing legs. This bulletin summarizes the difference in the landing leg generations and provides additional technical information.

BPW landing legs offer several advantages:

- Robustness, with BPW landing legs supporting 40 kN lateral forces and 47 kN in the driving direction. The lifting load per set is 24 tonnes and has been test loaded to 50 tonnes.
- Convenience, with low crank forces being required during operation. The mounting plates also allow for easy installation.
- Economy, with BPW landing legs being particularly light weight and offering corrosion resistance and being 3-years maintenance friendly.

Technical information

Figure 1 shows a summary of the visual differences of the Generation 2 Facelift landing leg

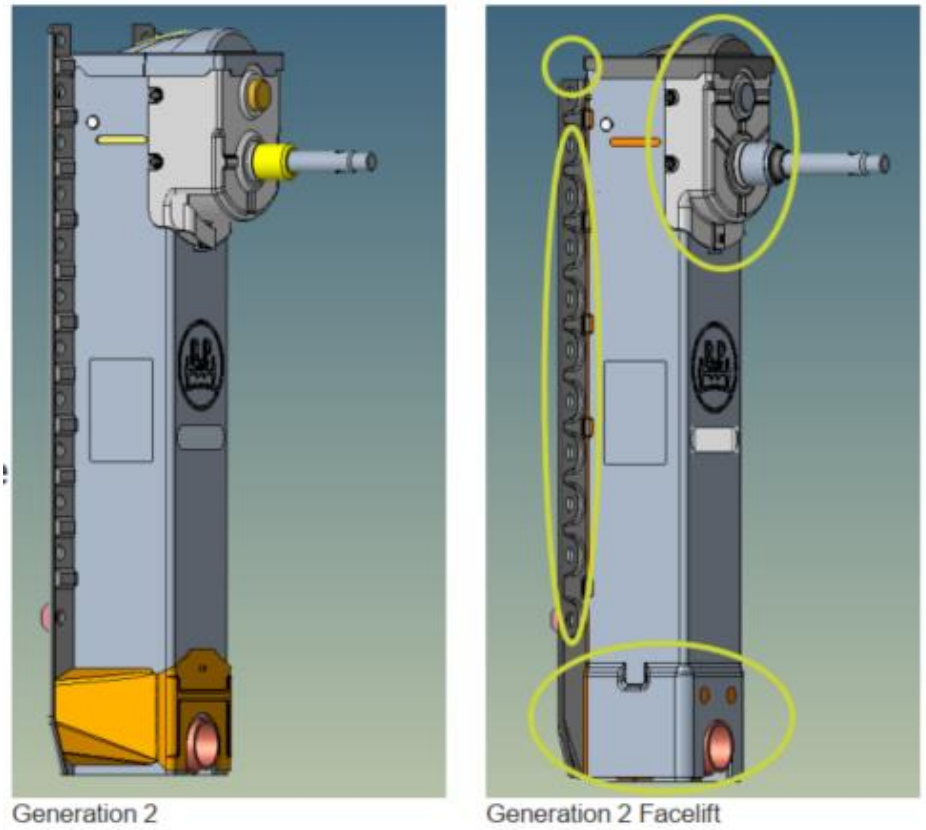


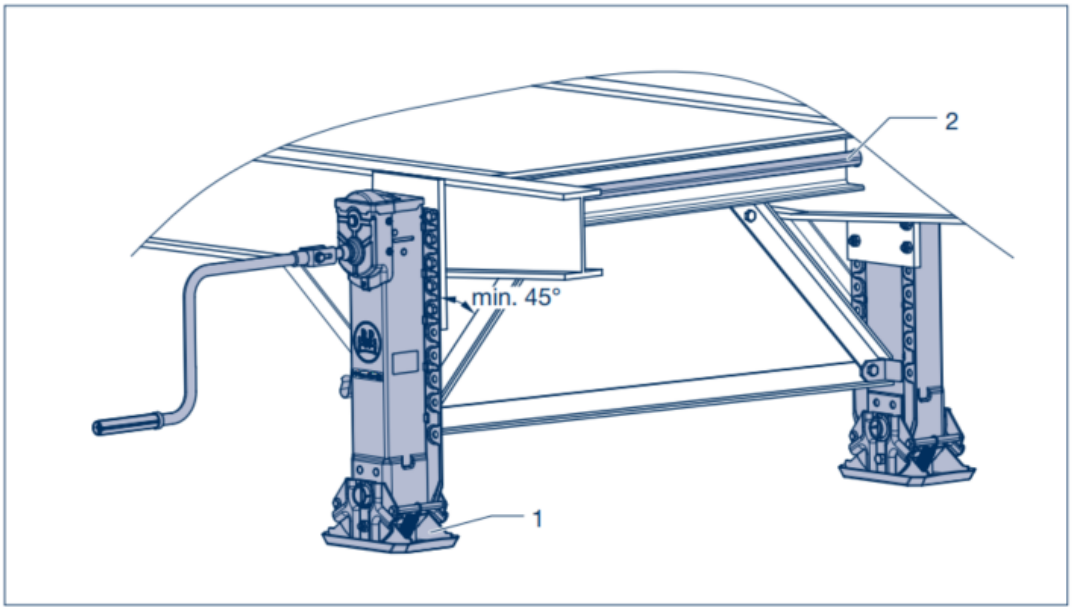
Figure 1: Difference between the Generation 2 and Generation 2 Facelift landing leg

The main changes and new features can be summarized as follows:

- The first upper hole of the back plate has been removed
- The gearbox has been redesigned with an adjustment of the shift mechanism (the depth is decreased by 30mm)
- A reinforcement plate has been introduced for higher stiffness of the inner face of the leg
- A new reinforced S-foot has been developed (only a single S-foot is available and there is no longer an S-foot or HD S-foot)
- There is a 1kg weight reduction due to the modified shape plate
- A QR code has been added for quick identification and retrieval of parts

Figure 4 provides a more detailed view of the changes made to the Gen 2 Facelift.

Figure 2 provides a summary of the installation steps for BPW landing legs. Please refer to our installation manual for additional information (BPW-BA-SV 37452401e). From this installation summary, it is clear that for normal applications, a minimum of 6 hexagonal M16-8.8 bolts, nuts and ring washers with a tightening torque of 190 Nm (175-210 Nm) must be installed. This means that most chassis designs will not need to change to accommodate the new Gen 2 Facelift landing leg (if for example 10 bolts were used on the previous Gen 2). A minimum of 10 bolts is recommended for drawbar applications.



[1] Screw in both support jacks (1) as far as they will go. This will ensure that both supports are positioned in parallel when they are extended.

[2] Align the supports so that they are at a right angle to the frame and parallel to each another.

[3] Measure the length of the connecting shaft (2) and adjust this accordingly.

[4] Install the connecting shaft without jamming. A sliding gap of 8 ± 3 mm must be maintained. Jamming of the connecting shaft may impede ease of movement.

[5] Screw each support to the frame with at least 6 hexagonal M 16-8.8 bolts, hexagonal nuts and ring washers.

[6] Fit the bracing members between the legs and to the rear of each leg. Ensure that an angle of at least 45° to the support is maintained while doing this. Screw on the braces likewise with hexagonal M 16-8.8 bolts, hexagonal nuts and ring washers.

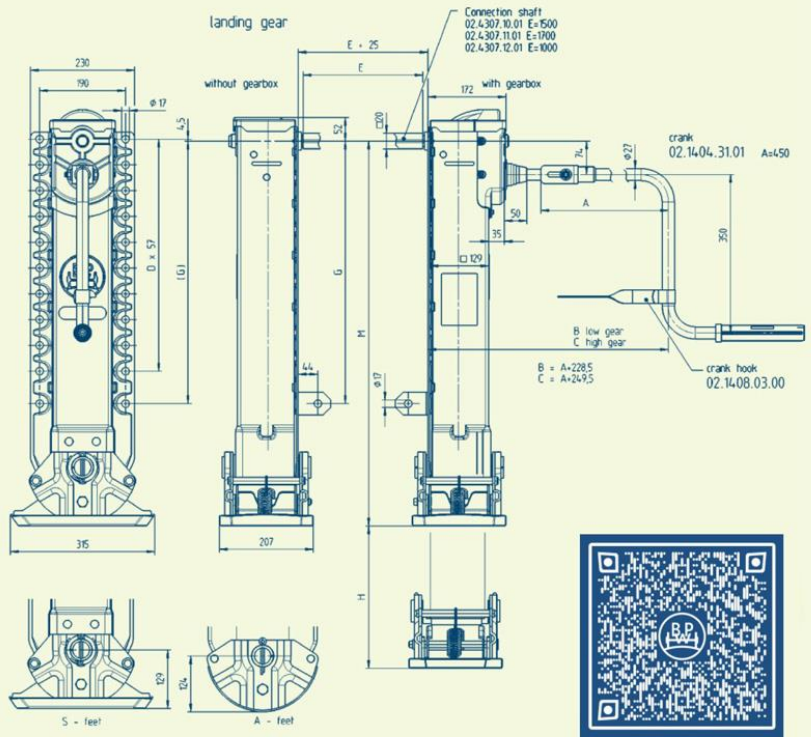
[7] Tighten all securing bolts with a torque wrench to the prescribed tightening torque of 190 Nm (175 - 210 Nm).

[8] Install the holder to secure the crank handle. For safety reasons, the crank handle must be mounted in the holder while the vehicle is in motion.

Figure 2: A summary of the installation requirements for BPW landing legs

Figure 3 provides a summary of the different options available for the Gen 2 Facelift landing leg. It should be noted that the crank handle, crank hook and connecting shafts remain the same between the Gen 2 and Gen 2 Facelift landing leg. The gearbox and landing leg cover are not compatible between the two variants. Do not hesitate to contact BPW should you have any further questions.

OVERVIEW DRAWING



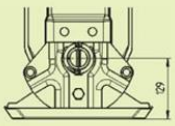
BPW landing gear installation

TECHNICAL DATA (per set)

Lifting capacity	24 t
Static load capacity	50 t
Lateral forces	40kN
Driving direction	47kN
Travel per crank rotation	
Slow gear	0,8 mm
Fast gear	9,6 mm
Crank force	175N

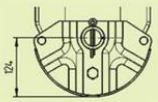
FOOT VARIANTS

Design S



BPW code number:
02.3710.01.02

Design A



BPW code number:
02.3710.03.01

STANDARD PORTFOLIO

Stock code	Length M	Dimension H	Dimension G	Number D	Support foot design	BPW code number without gear drive	BPW code number with gear drive	Weight (kg)
BPW LL-A-750-G2	750	405	480	8	A	02.3710.26.02	02.3710.27.02	81.8 kg
BPW LL-S-750-G2	750	405	480	8	S	02.3710.22.02	02.3710.23.02	84.2 kg
BPW LL-A-850-G2	850	505	580	8	A	02.3710.46.02	02.3710.47.02	89.8 kg
BPW LL-S-850-G2	850	505	580	8	S	02.3710.42.02	02.3710.43.02	94.2 kg
BPW LL-A-900-G2	900	540	630	9	A	02.3710.80.02	02.3710.81.02	93.6 kg
BPW LL-S-900-G2	900	540	630	9	S	02.3710.82.02	02.3710.83.02	98.4 kg

Other versions available on request

CRANK HANDLE

Dimension A	Dimension B (low gear)	Dimension C (high gear)	BPW code number
600	850	980	02.1404.34.01

CONNECTION SHAFT

Dimension E	BPW code number
1500	02.4307.10.01

Figure 3: A summary of the technical data of the Gen 2 Facelift Landing Leg

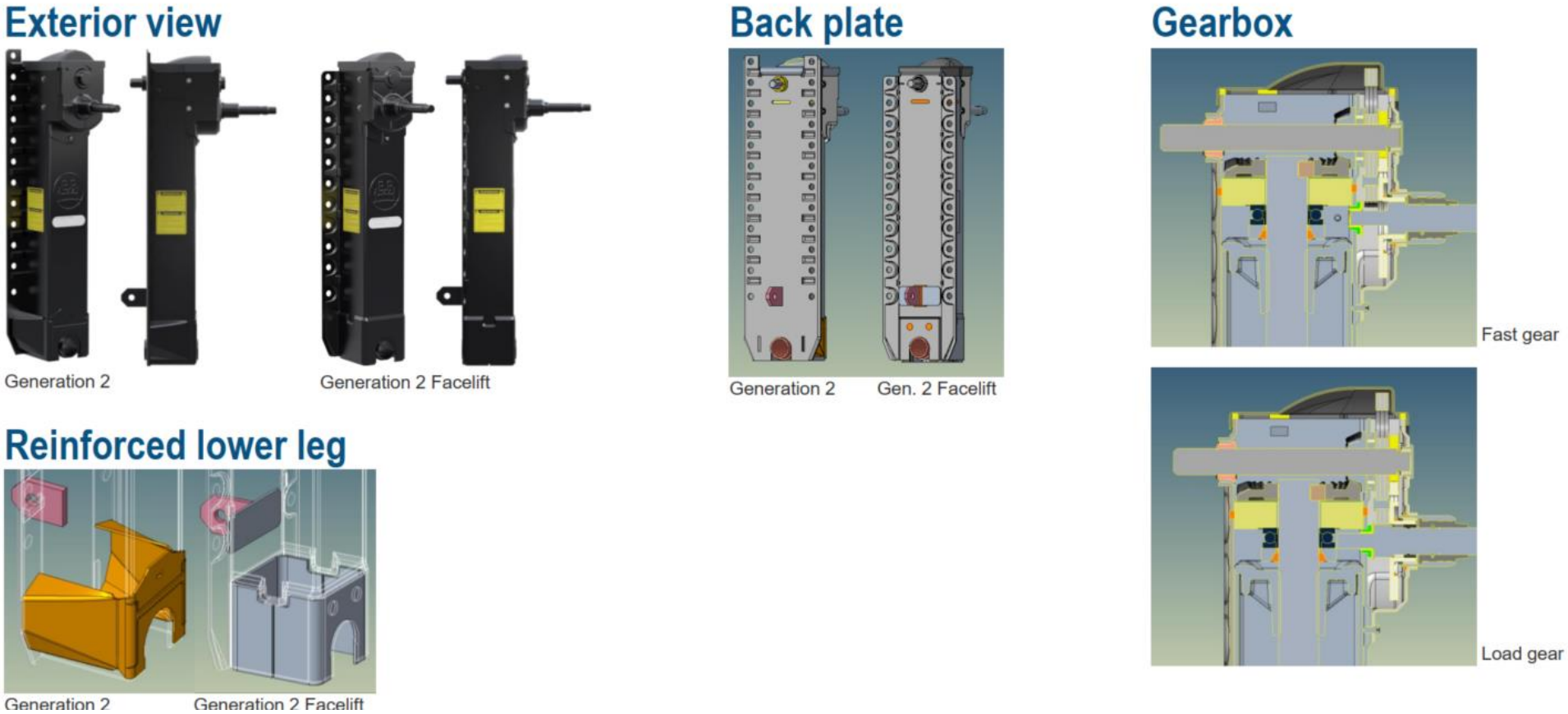


Figure 4: Summary of changes of the Gen 2 Facelift landing leg vs Gen 2