



In order for Bloxwich to supply door gear as fully welded and zinc plated or galvanised assemblies (lockrods) for bolting in place we require a lock rod chart to be completed.

This is a straight forward process but this "how to" knowledge base article explains where the measurements are taken from, how to complete a lockrod chart and also answers some FAQ's.

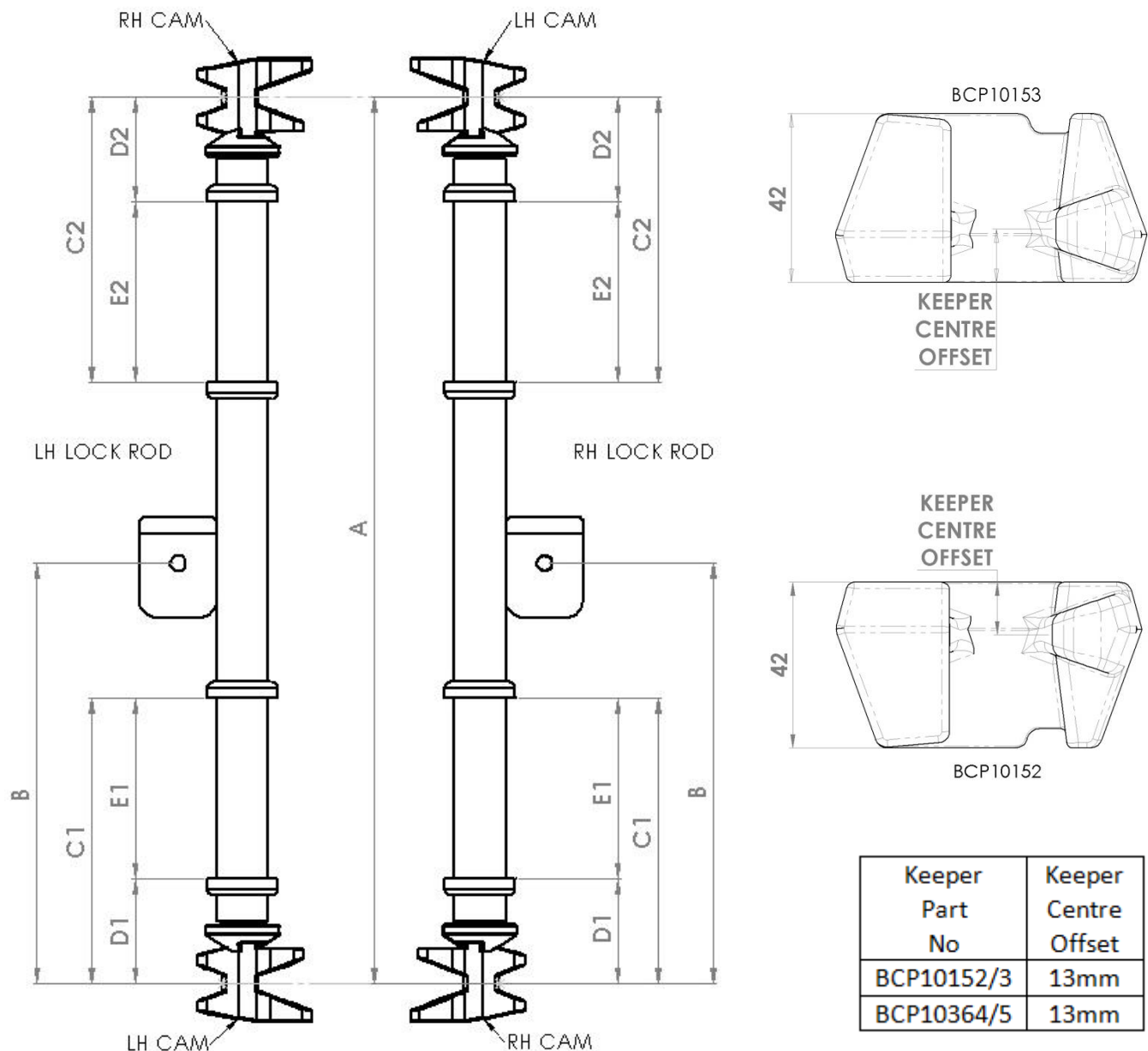
Measurements

All dimensions are either centres or to the inside of the anti-rack rings or a mixture of the two.

If the E values are standard only the C or D values are required.

If you are having difficulty measuring the A value just measure the distance between the upper and lower keepers and add 2 x the keeper centre offset (listed below).

Handle hub angles are usually from 0-1.5° and the tube length is normally calculated by Bloxwich but if making your own lockrods the tube length=A-81mm (for the BE2566M door gear shown).



Keeper Part No	Keeper Centre Offset
BCP10152/3	13mm
BCP10364/5	13mm

How to Complete a Lock Rod Chart

Once all the measurements are entered, add the customer information and door gear top level model number, finish and quantity etc. The Tube Dia is driven by the model number and specify the handle type in the special requirements box.

A signature and date completes the upper section of the lock rod chart so it can be emailed or faxed to us on sales@bloxwichgroup.com or +44 (0)1543 469 610.

If required see please visit www.bloxwichdoorgear.com or see our latest catalogue for more information or call +44 (0)1543 435 160.

FAQ's

Q) Do I have to email the excel lock rod chart back? A) We usually send out excel lock rod chart templates by email but they can be completed in excel, Adobe Acrobat or by hand.

Q) My units are the same but the A values differ slightly so do I need lock rod charts for each one? A) Bloxwich door gear can cope with centres varying by +/-2.5mm but if your door gear centres vary slightly more than this simply remove the lower keepers, hang the door gear and weld the lower keepers back in place afterwards so your range of units have door gear on the same interchangeable centres.

Q) What are modified keepers? A) Modified keepers were designed for use on offshore containers as the galvanising drain holes are added within the keepers themselves instead of the door gear tube see <https://www.bloxwichdoorgear.com/General-Information/Cams> for more details.

Q) Can your door gear only be mounted vertically? A) No our door gear can be mounted vertically or horizontally but the orientation of the door handle catch and retainer needs to be checked to ensure it swings closed and a lock or door retainer chain e.g. [BCSP17021](#) would be recommended. For more information and dimensions please visit www.bloxwichdoorgear.com or see our latest catalogue.

Q) Are there any options? A) Yes we can offer standard, modified or ice breaker cams, various types of door handle or wraparound handle hubs and weld on, bolt on or narrow base keepers*.

Notes:

See BCP_218_KBA for details of Bloxwich lockrod numbering system and full part numbers as numerous combinations are available and more are created all the time.

See BCP_999_KBA for details or the positives and negatives of door gear loose kits of parts v lockrods depending on your location.

*Not available on all models