



UNIVERSAL STRAIGHT COUPLING

INSTALLATION MANUAL

RECOMMEND EQUIPMENTS

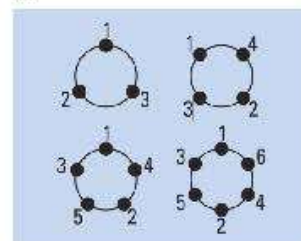
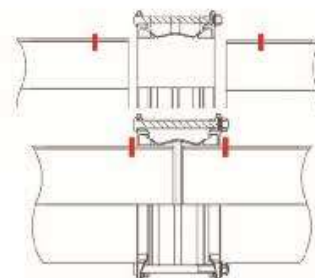
- Tension Wrench (0 – 150Nm) & 24mm long thread socket
- Pipe surface cleaning equipment.
- Gasket Lubricant approved for use with potable water

INITIAL PREPARATION

- All the coupling comes as an assembled and are ready to use, dismantling of the parts is not necessary.
- Examine the coupling before the assembly to ensure no damage has occurred before installation.
- Check the sealing range indicated on the label is compatible with actual pipe size.
- Examine the pipe ends and ensure they are round, smooth, free of bulges, dents, debris and score marks and within the outside diameter range given on the coupling label. Weld beams must be ground flush.

INSTALLATION

- Align the pipes to be joined, ensuring the pipe ends are concentric and the recommended pipe gaps (refer to selection guide) are applied. To aid installation, mark both pipe ends at a distance equal half of the overall assembled width of the coupling. Refer to diagram for illustration.
- Loosen the nuts to the point where the coupling components are slack and unrestrained. Lubricate all the surfaces of the sealing ring with the approved lubricant as required.
- Using the marking that were made on the pipes, slide coupling on to the fixed pipe end.
- Slide the free pipe end into the coupling, ensuring the marking on both pipes ends line up with the ends of the fitting
- Tighten the nuts in small increments in a diametrically sequence as shown in the diagram. Ensure that the barrel and end rings are kept centred around the pipe. It is essential that all the bolts are torque using a torque evenly as indicated on the table provided. Always retention bolts after 20 to 30 minutes to compensate the rubber sealing ring relaxation.



www.deks.com.au



UNIVERSAL STRAIGHT COUPLING

Recommended Torque

| Coupling | 'O'PVC Pipe Nm | All Other Pipe Nm |
|------------------|----------------|-------------------|
| DGB100 | 40 | 60 - 70 |
| DGB150 to DGB250 | 60 | 60 - 70 |
| DGB300 and above | 70 | 70 - 80 |

IMPORTANT NOTES

- DEKS Universal Pipe Couplings DO NOT provide axial pipe restraint, this must be provided by other means to both the coupling and pipes.
- External loading (i.e. weights of the pipelines, spool pieces, back fill etc.,) might affect the performance of the coupling, so all pipes should be supported independently on each side of the coupling.
- Rubber Sealing rings are only recommended for use in temperatures from 0° to 60°C.
- It is advisable to replace all stainless steel fasteners in the event of having to reposition the fitting.
- It is recommended that periodic assessment and maintenance of the coupling be undertaken in such environment.

www.deks.com.au