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## 1. Purpose<sup>1</sup>

This technical note has been prepared to provide clarification for use of thrust type dismantling joints for water and sewerage applications.

## 2. Scope

The scope of this technical note applies to the two types of thrust dismantling joints available. The scope is to clarify:

- if there are specific requirements for the use of each type of thrust dismantling joint
- if thrust type dismantling joints can be buried, and
- if dismantling joints with independent flange seal arrangements are accepted.

Scope Limitation:

- non-thrust type dismantling joints are not considered.

## 3. Rationale

The thrust type dismantling joints are double flanged fittings that can accommodate up to 100 mm longitudinal adjustments. It can be locked at the required length with the tie bars.

There are two types of dismantling joints. Figure 1 shows an independent flange assembly for the seal. Figure 2 shows the seal flange as part of the restraint assembly. Both types of dismantling joints are suitable for all applications and there is no difference in their performance.

The advantages for the independent flange assembly seal are:

- Long term sealing is ensured in case there are external loads on the dismantling joint.
- The seal assembly can be worked on independently of the thrust restraint assembly.
- The smaller flange and bolts for the seal assembly result in a lighter unit.

Manufacturers recommendation is to install the dismantling joints above ground or in chambers to prevent contamination of the tie bars threads. An addition preventative measure is to protect the flanges and bolts from corrosion as detailed in SEQ Code drawing SEQ-WAT-1313-1.

A common industry practice is to bury valves up to DN 450 in diameter. Should a thrust type dismantling joint be installed with a buried pipe, it must be protected as detailed in SEQ Code drawing SEQ-WAT-1313-1. For example, using a petrolatum tape such as Denso wrap (or similar approved wrap) to the manufacturer's requirements.

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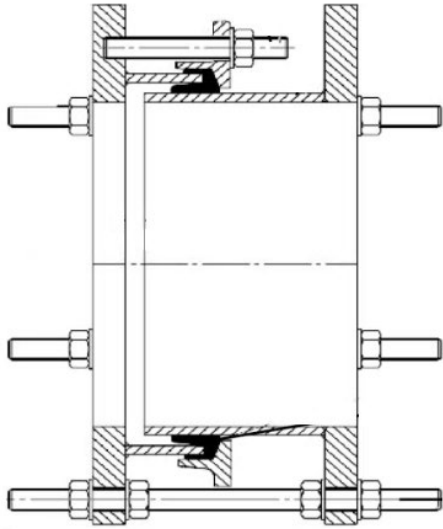


Figure 1: Example of thrust flange with independent flange assembly seal

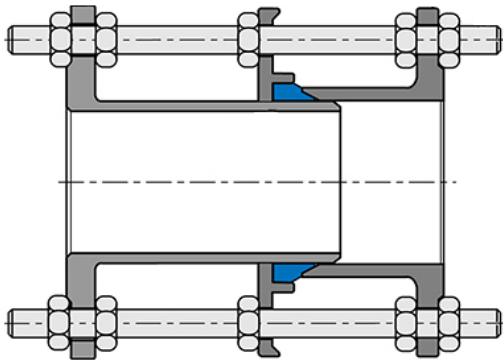


Figure 2: Example of thrust flange with seal as part of restraint

## 4. Recommendation

Thrust type dismantling joints can be used, as required on a project specific basis. The following is general guidance on applications:

The thrust type dismantling joint with the independent flange assembly for the seal may be considered for conditions where excessive ground movement is expected or not known since the seal can be adjusted independently in the future.

Thrust type dismantling joints may be used in a buried application provided they are protected from corrosion as shown in SEQ-WAT-1313-1. For example, wrapped with an approved petrolatum tape wrap to the manufacturer's requirements.

## 5. Definitions

Table 1: Definitions, abbreviations and acronyms

Term	Meaning
N/A	No terms to define

## 6. References and resources

Table 2: References and resources

Source	Reference
<b>External</b>	SEQ-WSA02 V2.1-2021 Gravity Sewerage Code of Australia – South-East Queensland Service Providers Edition (SEQ Sewerage Code) SEQ-WSA03 V1.4-2024 Water Supply Code of Australia South-East Queensland Service Providers Edition (SEQ Water Supply Code) SEQ-WSA04 V1.3 -2020 Sewage Pumping Station Code of Australia South-East Queensland Service Providers Edition (SEQ SPS Code) <a href="#">SEQ Code Accepted Infrastructure Products and Materials (IPAM) list</a> Drawing: <a href="#">SEQ-WAT-1313-1 Flanged Joints Typical Bolting Details</a>
<b>Internal</b>	<a href="#">Pr9693</a> - Specification for Mechanical Installations