1. Scope

This document is to be used for field make-up acceptance of the Ares™ IPC Connection.

This procedure shall be used in conjunction with FT-RP-000 General Running Procedure and the latest revision of the Connection Data Sheet (CDS). Where conflicts exist, this connection-specific running procedure and CDS shall govern.

1.1. Product Description

Ares™ IPC Connection:

- Flush
- Conventional Shouldered
- Internal Coating and Seal Ring

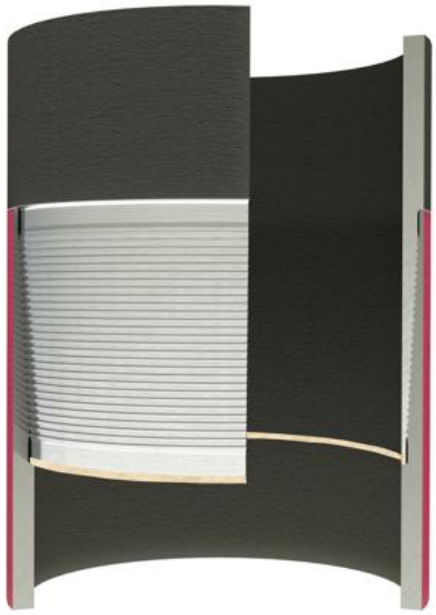


Figure 1 – Product Image

1.2. Approvals

Created	Angela Hill – Product Engineer	3/19/2026
Reviewed	Israel Martinez – Quality Director	4/13/2026
Approved	Wesley Ott – Director of Engineering	4/13/2026

1.3. Contents

1.4. Reference Documents

Document Number	Document
FT-RP-000	General Running Procedure
FT-FI-001	Fermata Connections Field Visual Inspection and Repair Requirements

Available online: fermata-connections.com/running-procedures/

*Always confirm the most current Running Procedure through the online portal or by contacting Field Service.

2. Connection Running

For general running see FT-RP-000 General Running Procedure

Fermata® strongly recommends using a Fermata® certified thread representative for all casing runs. If not used, the operator is responsible for ensuring all make-ups meet Fermata® criteria.

See Section 4.1 in the FT-RP-000 General Running Procedure for Field Service details.

2.1. Seal Ring Installation for Internal Plastic Coating (IPC)

- Confirm that seal rings match the specified Ares™ IPC configuration. Maintain spare seal rings to account for potential damage or loss.
- Allow seal rings and pipe to reach the same ambient temperature prior to installation.
- Inspect all seal rings for damage or defects. Do not install damaged or defective rings.
- Using a new seal ring, compress it by hand and install it into the box end of the connection. Avoid over compression, as excessive distortion may prevent proper seating.
- Install the seal ring with the lip facing the open end of the box connection. Ares™ IPC seal rings are directional; refer to Figure 4 for correct orientation.
- Seat the seal ring by applying uniform pressure around its circumference. A non-metallic tool may be used if necessary.

Figure 2 – Example of PTFE Seal Ring

Figure 3 – Example Distorted Seal Ring

Figure 4 – Directional Seal Ring Installation Diagram

2.2. Connection Compatibility

Ares™ IPC does NOT have compatibility with differing weights within the same OD.

2.3. Thread Compound Application

See FT-RP-000 General Running Procedure Section 4.2 for thread compound application.

2.3.1. Approved Compounds

- Fermata® Constrictor® Advanced Thread Sealant.

2.3.2. Compound Amount

Refer to Table 1 for the required thread compound volume:

Table 1: Thread Compound Amount

OD (inches)	Volume (mL)
2.875	1.0
4.000	2.5
4.500	3.0
5.500	4.5

2.3.3. Thread Compound Application

- Apply thread compound only on the pin connection.
- Coat full thread form (flanks, roots, and crests).

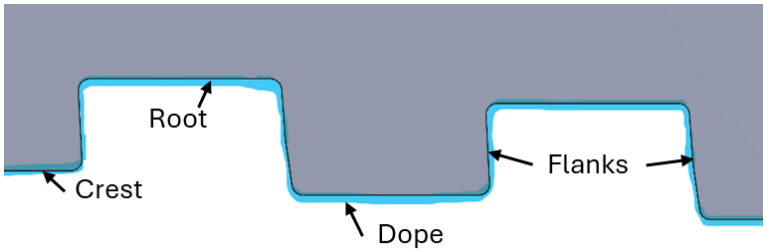


Figure 5 – Thread Form

See Figure 6 and Figure 7 for visual reference.

Figure 6 – Pin Connection Application

Figure 7 – Box Connection (**no** compound)

2.4. Connection Make-Up

2.4.1. General

See FT-RP-000 General Running Procedure

2.4.2. Ares™ IPC Torque-Turn Plot

- Verify the make-up result against Figure 8.
- For Ares™, shoulder torque occurs when the pin nose contacts the box shoulder. This event appears as a distinct spike on the torque-turn plot and should occur between 5% and 80% of final make-up torque.

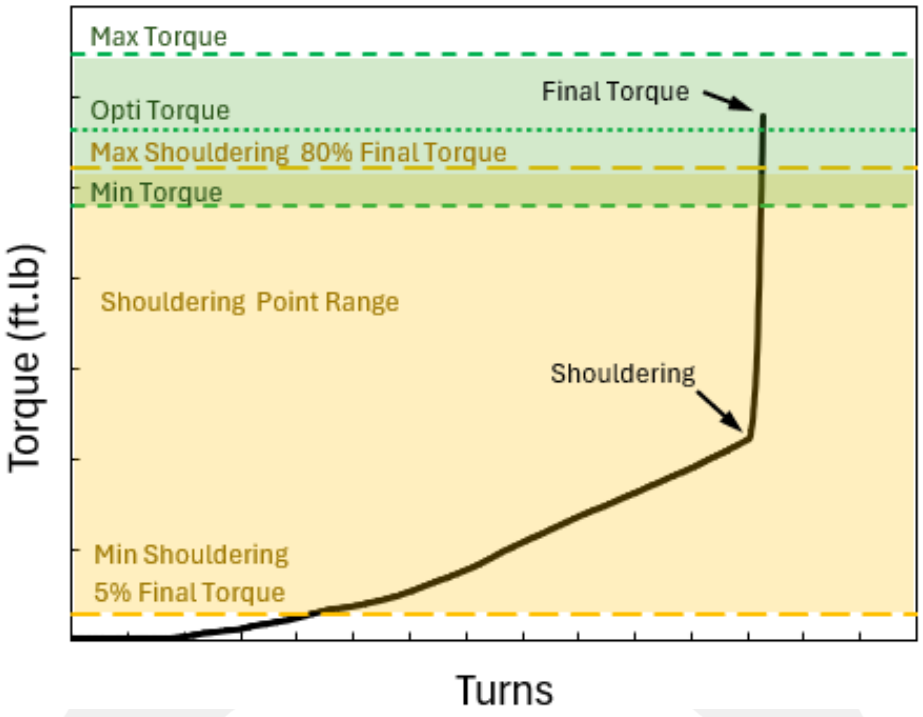


Figure 8 – Ares™ IPC Torque-Turn Signature

2.4.3. Make-up Acceptance Criteria

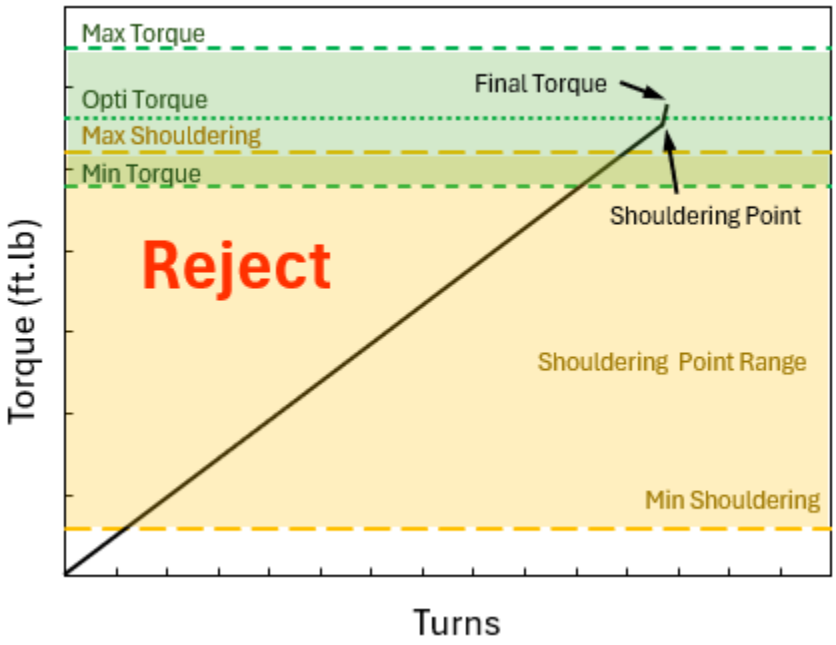
Connections are accepted based on required graph elements (2.4.2), and external shoulder fully seated.

2.4.3.1. External Shoulder

- Verify connection make-up can be made by checking that the external shoulder on the pin is fully seated by the box face.
- No gap allowed.

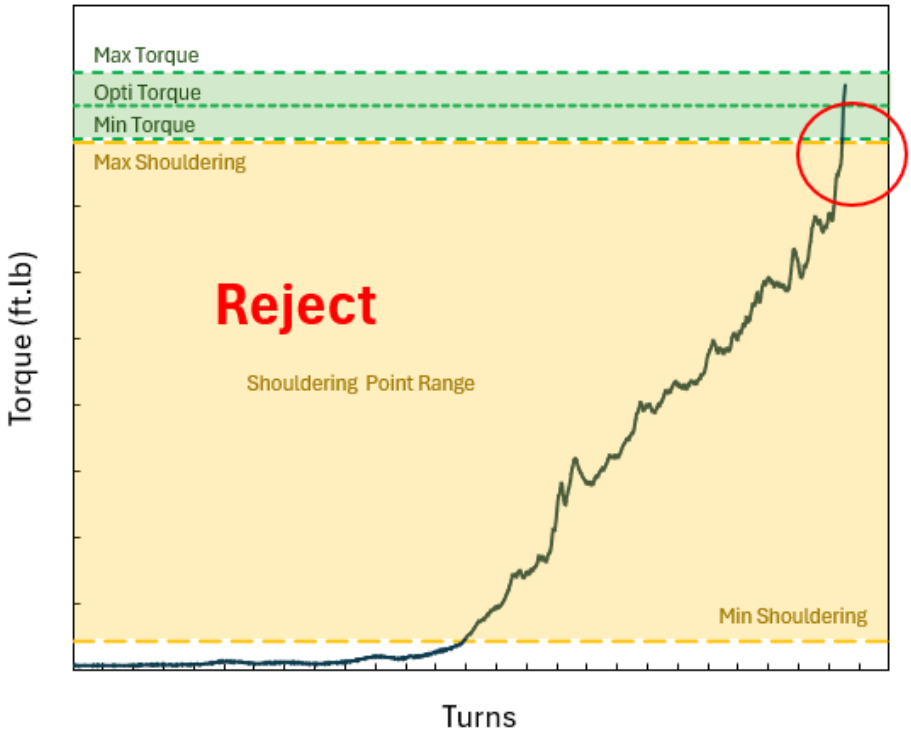
2.4.3.2. Graph Acceptance

- Figure 8 shows an example of an acceptable make-up signature.
- Figure 9 shows examples of unacceptable make-up graphs.
- Contact Fermata® Support for any graph irregularity's acceptance.
- See FT-RP-000 General Running Procedure for further examples.



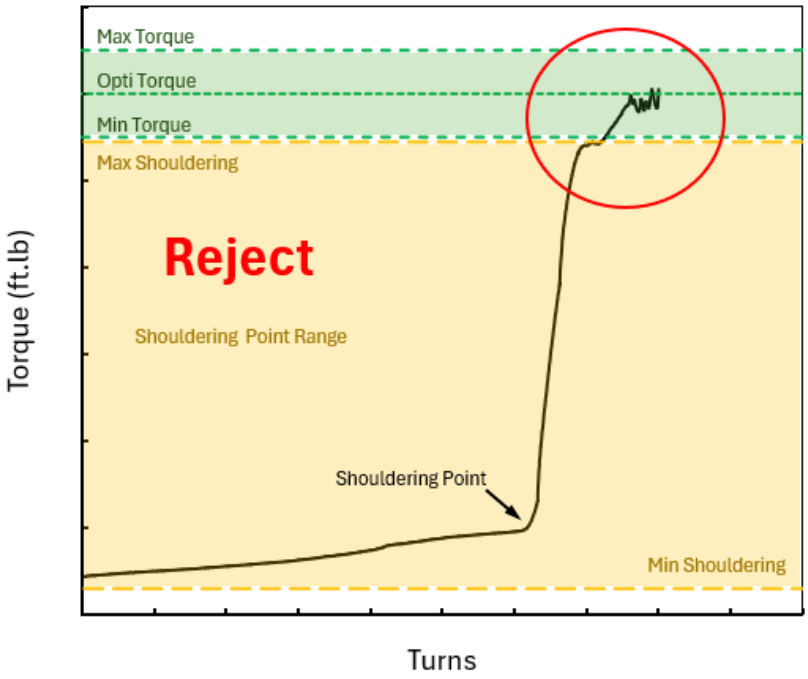
NOTE: High shoulder – Break-out, inspect, and remake to max torque.

(a)



NOTE: Irregular torque build just before the optimum torque is reached. Break-out, inspect the connection, and remake with less thread compound.

(b)



NOTE: Yielding – Break-out, lay down pin and box joint, set aside for inspection.

(c)

Figure 9 – Examples (a), (b) and (c) of unacceptable make-up graphs.

Contact Information:

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