

Sprinkler Grooved Coupling Assembly - JSA - A

en-US · Basic task controls · v1.0 · 2026-10-14 · Sources: article section 9

Site: | Item ID: | Work area:

1. Job details and team signatures

Date / time	Location / area			Assessor		Supervisor	
Team signatures							

2. Conditions and hold points

Stage	Time	Location / area	Environment / readings	Item / condition	Controls	Plant / tools	Approval / signature
HP-0 Start							
HP-1 Inspect ends and gasket							
HP-2 Tighten coupling							
HP-3 Hold and reassemble							
HP-4 Hand over for testing							

Complete after actual checks. Recheck after changes, defects or shift handover.

3. JSA risk assessment

Job stage	Hazards and effects	Failure factors	Technical and procedural controls	Site verification	P	S	R	A
1. Confirm section and product	1. Trapped-fluid release 2. Wrong joint leakage 3. Operating-system impairment	1. Boundary unclear 2. Model and groove mismatch 3. Live branch overlooked	1. Identify isolated new section 2. Match pipe groove and coupling 3. Confirm drained pressure state	1. Section and boundary ID 2. Pressure and drainage evidence 3. Pipe groove and model data				
2. Support pipe and access	1. Pipe roll crush 2. Dropped pipe strike 3. Platform fall	1. Joint carries loose pipe 2. Temporary stand unstable 3. Reach exceeds platform	1. Maintain independent support 2. Prevent pipe rolling 3. Use accepted work platform	1. Hangers stands and stability 2. Pipe restraint and alignment 3. Platform and safe reach				
3. Align and insert pipe	1. Finger pinch 2. Pipe movement 3. Rolled gasket leakage	1. Hands used in closing gap 2. Supports shift 3. Insertion forced	1. Use suitable alignment tools 2. Maintain independent supports 3. Follow insertion sequence	1. Alignment and hand clearance 2. Support remains stable 3. Pipe insertion and gasket				
4. Tighten coupling	1. Tool-reaction injury 2. Housing fracture 3. Groove disengagement	1. Tool unsuitable 2. One side over-tightened 3. Wrong completion rule	1. Use specified tool and sequence 2. Monitor actual housing engagement 3. Meet model completion criteria	1. Tool and fastener condition 2. Specified tightening sequence 3. Housing and groove engagement				
5. Hold and reassemble	1. Pressure-release injury 2. Damaged part reused 3. Repeated seal failure	1. Live adjustment attempted 2. Cause not investigated 3. Same failed gasket retained	1. Reverify drained pressure state 2. Identify cause and affected parts 3. Replace rejected components	1. Cause and affected joints 2. Pressure and support recheck 3. Replacement and reassembly				
6. Hand over for testing	1. Uninspected section pressurized 2. Open defect concealed 3. Test authorization confused	1. Held joint omitted 2. Records incomplete 3. Assembly mark treated as permit	1. Transfer full joint register 2. List unresolved restrictions 3. Require separate test procedure	1. Accepted and held joint list 2. Inspection and repair records 3. Test boundary and responsible lead				

P/S/R/A: Complete only after actual site assessment using the site risk method.

4. Pre-work checklist

☐ Section and boundary ID	☐ Hangers stands and stability	☐ Alignment and hand clearance
☐ Tool and fastener condition	☐ Cause and affected joints	☐ Accepted and held joint list
☐ Pipe groove and model data	☐ Housing and groove engagement	☐ Test boundary and responsible lead