

Metal bandsaw blade replacement - JSA - B

en-SG · Technical failure review · v1.0 · 2026-10-14 · Sources: article section 9

Site: | Item ID: | Work area:

Approval	Work supervisor	Technical reviewer	Release / handover authority

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 Stop isolate support							
HP-2 Install new blade							
HP-3 Restore and test							
HP-4 Hold tracking fault							

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. Stop isolate support	1. Unexpected rotation 2. Stored pressure 3. Remote restart	1. Bow unsupported 2. Pressure trapped 3. Command not isolated	1. Secure bow per manual 2. Control other stored energy 3. Prevent automatic restart	1. Bow restraint 2. Stored energy 3. Verification result				
2. Open and release tension	1. Hand cut 2. Guard falls 3. Wheel moves	1. Hands on teeth 2. Cover unsupported 3. Residual motion	1. Use handling protection 2. Secure covers 3. Verify full rest	1. Hand and eye protection 2. Cover support 3. Wheel and bow state				
3. Remove old blade	1. Sharp scrap cut 2. Finger pinch 3. Floor trip	1. Blade discarded loose 2. Hands at pinch 3. Work area cluttered	1. Contain sharp scrap 2. Keep pinch points clear 3. Clear removal area	1. Safe scrap container 2. Handling method 3. Area clearance				
4. Install new blade	1. Blade derails 2. Finger pinch 3. Excess tension	1. Guide seating wrong 2. Hands trapped 3. Setting guessed	1. Seat in wheels and guides 2. Use safe handling 3. Set specified tension	1. Guide arrangement 2. Tension basis 3. Blade compatibility				
5. Restore and test	1. Band ejection 2. Unexpected feed 3. False release	1. Tools retained 2. People nearby 3. Test criteria absent	1. Account for tools 2. Clear controlled test area 3. Follow acceptance procedure	1. Tools and personnel 2. Stop function 3. Test and cut result				
6. Hold tracking fault	1. Repeat failure 2. Bow drop 3. Defect concealed	1. Cause ignored 2. Support disturbed 3. Noise accepted	1. Inspect guide and blade 2. Recheck bow support 3. Repair before guarded test	1. Blade and guide damage 2. Isolation and support 3. Retest decision				

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

4. Pre-work checklist

☐ Bow restraint	☐ Hand and eye protection	☐ Safe scrap container
☐ Guide arrangement	☐ Tools and personnel	☐ Blade and guide damage
☐ Verification result	☐ Blade compatibility	☐ Retest decision