

Portershoek Quarry	SAFETY HEALTH - MANAGEMENT SYSTEM (Doc No.7.5.1.2)	Effective Date: 15 May 2021 Revision No. ISO 45001 Date Reviewed: Page: 1 of 2
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Conveyor Repairs - Splitting and Splicing and Extension of Conveyor belt

1. PURPOSE

To conduct Cutting, Joining, Clamping and extending of conveyor belts safely.

2. SCOPE

This procedure is applicable for all conveyor belts

3. REFERENCE DOCUMENTS

Risk Assessment
Site - specific lockout procedure.
ISO 45001:2018(E)

4. DEFINITIONS

Competent Person: means a person who:

- I. Is qualified by virtue of his knowledge, training, skills and experience to organize work and its performance.
- II. Is familiar with the provisions of the MHSA and the regulations which apply to the work to be performed.
- III. Has been trained to recognise any potential or actual danger to health or safety in the performance of the work.
- IV. Is in possession of the appropriate certificate of competency where such certificate is required by legislation.

5. PROTECTIVE EQUIPMENT

- Mandatory PPE (hard hat, safety footwear, overalls, reflective vest, eye protection)
- Dust mask (SANS approved FFP2) for protection against inhalation of dust generated by drilling operations or adverse weather conditions (e.g. wind)
- Hearing protection
- Hand protection

6. OTHER REQUIREMENTS

- Knife
- Use belt splicing company for hot work

7. PROCEDURE

- Inspect the work area and equipment to be used
- Isolate the relevant conveyor
- Follow instructions as stipulated in the lockout procedure applicable at the mine

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- Ensure the required PPE is used
- Remove the tail pulley guard
- Clean around the pulley and adjustment slides
- Slacken the tension on the conveyor belt
- Install belt clamps to secure the belt
- Remove the troughing sets, as necessary, to increase the work area

Clip joints

- Mark off the joint
- Cut out the old clip with a knife
- Install joint template to conveyor belt
- Make belt clip holes
- Tighten nuts
- Break off or grind down protrusions, if necessary

Vulcanized joint (dry weather only)

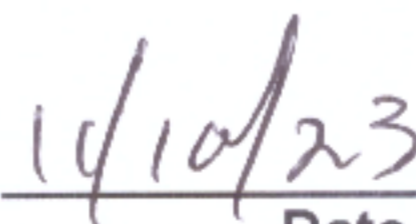
- Mark off the joint
- Cut the belt and strip plies
- Buff the joint clean using a sanding disc
- Apply vulcanized glue to joint and allow to cure
- Press joint together
- Roll with rollers to secure the joint & minimize air pockets
- Allow suitable curing time

Both Types

- Remove belt clamps
- Re-tension conveyor belt and refit tail pulley
- Re-energise plant if safe to do so
- Clean up area
- Place scrap in appropriate waste bin



Mine Manager



Date