

Procedure No.	Rev.	
PWP0011	2	

Product Welding Procedure

Title:	Recommended Welding Procedure for Sandvik Pre-fabricated lip		
Applicable Parts:	All Sandvik Shark Half Arrow Parts		
Prepared By:	Todd Shaw	Revised By:	Justyna Czekaj
Date:	13 June, 2010	Date:	30 January, 2012

1. SUMMARY

This report visually details the recommended procedure to be followed when welding Sandvik Prefabricated lip components.

A Strong back supporting the lip not in the details shown, however refer to point 10 for removal.

2. WELDING TEMPERATURES

Material	Target Preheat Temperature °C	Max Inter-pass temperature °C	
Shark Blue Pointer Cast	160-190	230	
Corners			
Lip plate	As per the manufacturer's	As per the manufacturer's	
(ASTM A514 Steels)	recommendation	recommendation	
Table Preheat Inter bass temberatures			

 Table I Preheat, Inter pass temperatures

Refer to Weld Procedure PWP0001 for more details.

3. PROCEDURE





Procedure No.	Rev.	
PWP0011	2	





Figure 3



Procedure No. Rev.

Sandvik Shark 6 Freight Road Kenwick WA 6107

4. Pre heat lip in accordance to Section# 2. Heat should be applied to the prefabricated lip from underneath the lip. This is indicated by the areas in red in the second image below. The metal temperature reading should be taken on the top surface of the lip as indicated.





Figure 4

Preheat lip to target temperature (refer to Section# 2)



Figure 4







Figure 5

Figure 6

Figure 8

10. Removal of strong Back

Ensure that the strong back is not removed until all welding of the lip is completed.

The removal of the strong back should be completed through the means of a grinder. Please avoid using arc-air when cutting through the welds. However if it is the **ONLY** option please ensure that the lip and bucket preheat target temperature specified in Section 2 is adhered too.

Sandvik Mining and Rock Technology reserve the right to make changes to the information on this data sheet without prior notification to users. Please contact Sandvik Ground Engaging Tools (G.E.T) parts representative for clarification on specifications and options. SANDVIK, SHARK, BLUE POINTER and MAKO are trademarks owned by Sandvik Group of companies.

4. **REVISION HISTORY**

Rev	Date	Changes	Revised By	Checked by	Approved By
0	13/06/2010	Original release.	-		Todd Shaw
1	30/01/2012	-	-		Justya Czekaj
2	24/11/2023	Updated weld temps, add document change register. Added preheat Table in section#2 Post weld cooling requirements in section#11.0 cross referenced to PWP0001.	Rob Lauchlan	J.Jose	Mehrdad Javadi