

Sandvik Shark 6 Freight Road Kenwick WA 6107

# **Product Welding Procedure**

Title:	Fatigue crack weld repair of Sandvik Shark Cast Corners				
Applicable Parts:	All Shark Blue Pointer 50mm Cast Corners				
Prepared By:	Neil Dennis	<b>Revised By:</b>	Rob Lauchlan		
Date:	8 March, 2007	Date:	17 December 2024		

## 1. SUMMARY

This report details the use of the Cast Corner Sweep Gauge for the post-processing of Shark Blue Pointer 50mm Cast Corners following the weld repair of fatigue cracks. It is important that all the steps in this procedure are followed to ensure that the Corner Shroud fit to the Cast Corner is not compromised.

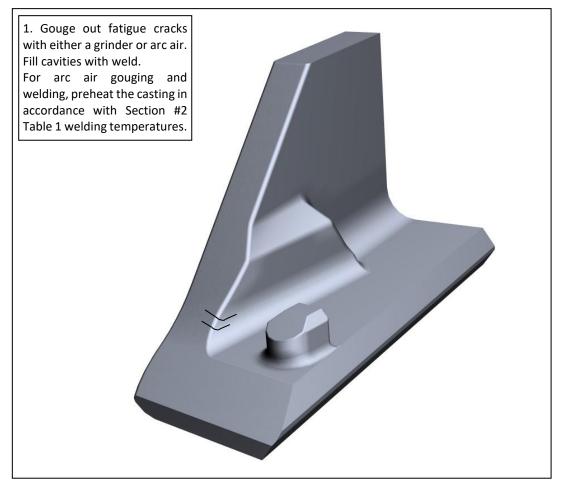
## 2. WELDING TEMPERATURES

Products	Target Pre-heat Temperature °C	Max Inter-pass temperature °C
Shark Blue Pointer Cast Corners	160-190	225

Table 1: Preheat, Inter pass temperatures

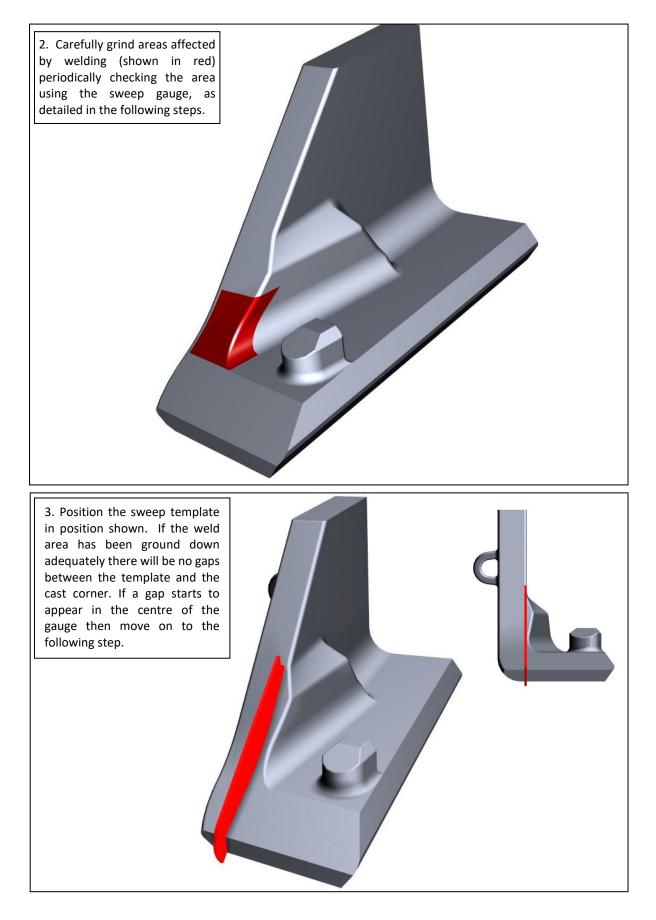
Refer to Weld Procedure PWP0001 for more details.

#### 3. PROCEDURE



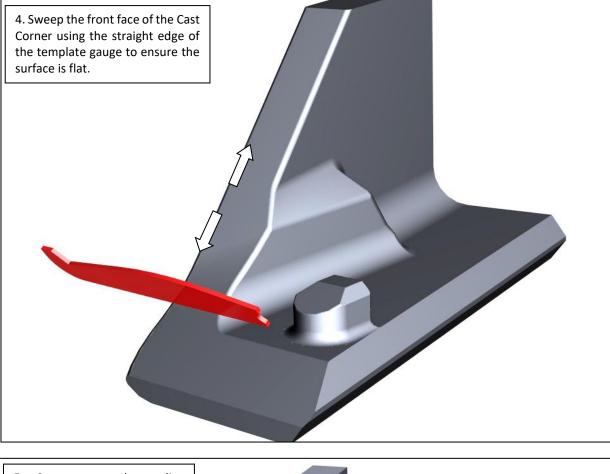


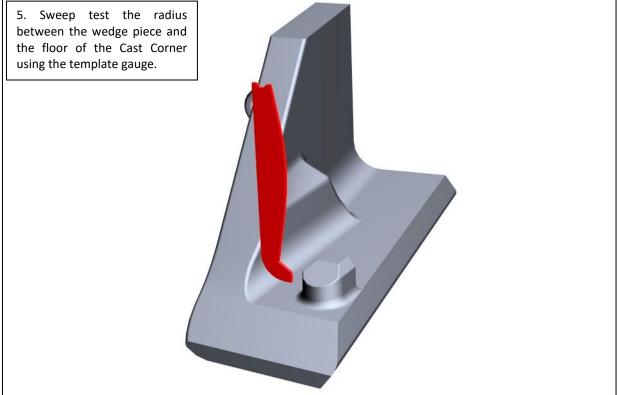
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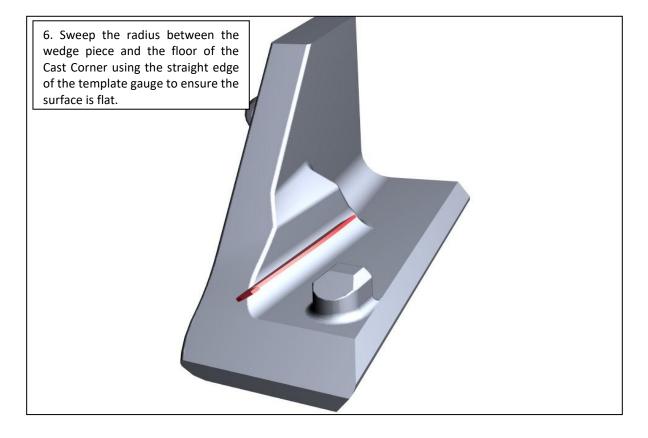
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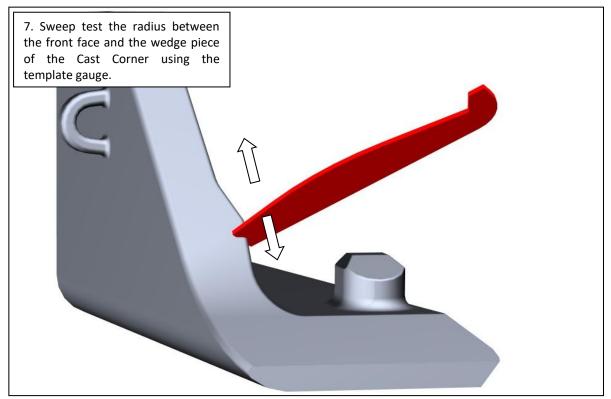






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8. Now that the Cast Corner conforms to the sweep template gauge, test the fit of a corner shroud on the Cast Corner. If the fit is suitable use a bull nose grinder to finish the area indicated in red. Sweep the grinder up and down the casting in the direction indicated by the arrows. Ensuring any notches made by the angle grinder is removed.

# <u>Note:</u>

Ensure all grinding marks are parallel with the radius between the wedge and the front face of the Cast Corner as shown by the arrows.





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# 4. **REVISION HISTORY**

Rev	Date	Changes	<b>Revised By</b>	Approved
0	8/03/2007	Original release.	-	N.D
1	20/06/2008	-	-	M.K
2	17/08/2023	Updated weld temps, add document change register.	R.L	M.J
3	17/12/2024	Updated max interpass temp	R.L	M.J