

Cast Profile Bar Selection Guide

Use this simple 3 step guide to select and order Cast Profile Bar Kit.

The kit will include:

1 x centre piece, 2 x side pieces, 2 x heel shrouds.



- Notes:**
- This selection guide is for 50mm lip thickness only.
 - Refer to PWP0009 for the welding and cutting procedure.

INFORMATION NEEDED		
1. What is the fitted lip shroud system?	<input type="checkbox"/> Blue Pointer 2 <input type="checkbox"/> Half Arrow	<div style="display: flex; flex-direction: column;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Blue Pointer 2</div> </div>
2. What is the lip centre landing width (C)?	(C) : <input type="text"/> mm	
3. What is the bucket lip width (W)? For Blue Pointer 2 system "W" is the measurement between cheek plates centres. For Half Arrow system "W" is the measurement between outer face of lip.	(W) : <input type="text"/> mm	
		<div style="display: flex; flex-direction: column;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Half Arrow</div> </div>

Step 1: Find the centre piece group

From question 2, use centre landing width (C) to calculate (Y) with one of the following formulas:

For Blue Pointer 2 system

(Y) is calculated using the formula
 $(Y) = (C) - 288$.

For Half Arrow system

(Y) is calculated using the formula
 $(Y) = (C)$.

If Y is between the below group	Centre piece group
0 – 294	290
295 – 462	460
463 – 602	600
603 > 682	680
682 >	680 Customise needed. Contact Sandvik Shark Sales.

Step 2: Find the side piece group

From question 3, use lip width (W) to calculate (Z) with one of the following formulas:

For Blue Pointer 2 system

(Z) is calculated using the formula
 $(Z) = (W - 1700) / 2$.

For Half Arrow system

(Z) is calculated using the formula.
 $(Z) = (W - 1750) / 2$.

If Z is between the below group	Side piece group
> 200 ≤ 550	Short
> 550 ≤ 900	Long
≥ 901	Customise needed. Contact Sandvik Shark Sales.



Procedure No. Rev.

PPP0020

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SANDVIK SHARK (E9831)

A Division of Sandvik Mining and Construction
Australia (Production/Supply) Pty Ltd

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Step 3: Using information collected, find the correct kit for your system by working from left to right.

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Lip Shroud System	Centre Piece Group	Side Piece Group	Cast Profile Bar Kit	
			Kit	Part #
Blue Pointer 2 System	290	Short	Kit A	69044050 SBPPBx290S-Kit
		Long	Kit B	69044051 SBPPBx290L-Kit
	460	Short	Kit C	69044052 SBPPBx460S-Kit
		Long	Kit D	69044053 SBPPBx460L-Kit
	600	Short	Kit E	69044054 SBPPBx600S-Kit
		Long	Kit F	69044055 SBPPBx600L-Kit
	680	Short	Kit G	69044056 SBPPBx680S-Kit
		Long	Kit H	69044057 SBPPBx680L-Kit
Half Arrow System	290	Short	Kit J	69044170 SHAPBx290S-Kit
		Long	Kit K	69044171 SHAPBx290L-Kit
	460	Short	Kit M	69044172 SHAPBx460S-Kit
		Long	Kit N	69044173 SHAPBx460L-Kit
	600	Short	Kit P	69044174 SHAPBx600S-Kit
		Long	Kit Q	69044175 SHAPBx600L-Kit
	680	Short	Kit R	69044176 SHAPBx680S-Kit
		Long	Kit T	69044177 SHAPBx680L-Kit



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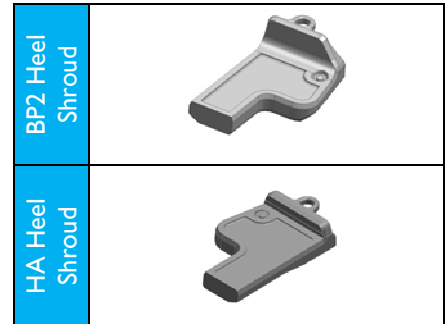
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Kit Parts Lists

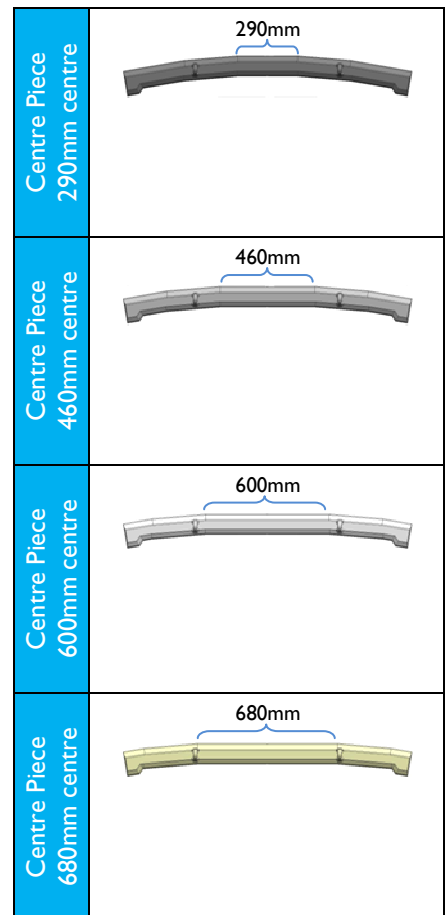
	Side Piece Left	Side Piece Right	Centre Piece	Heel Shroud Left	Heel Shroud Right
Kit A	SCPB50-SSL 69043993	SCPB50-SSR 69043994	SCPB50x290 69043995	SHSBP50x200-CBL 69043999	SHSBP50x200-CBR 69044000
Kit B	SCPB50-SLL 69043991	SCPB50-SLR 69043992			
Kit C	SCPB50-SSL 69043993	SCPB50-SSR 69043994	SCPB50x460 69043996		
Kit D	SCPB50-SLL 69043991	SCPB50-SLR 69043992			
Kit E	SCPB50-SSL 69043993	SCPB50-SSR 69043994	SCPB50x600 69043997		
Kit F	SCPB50-SLL 69043991	SCPB50-SLR 69043992			
Kit G	SCPB50-SSL 69043993	SCPB50-SSR 69043994	SCPB50x680 69043998		
Kit H	SCPB50-SLL 69043991	SCPB50-SLR 69043992			
Kit J	SCPB50-SSL 69043993	SCPB50-SSR 69043994	SCPB50x290 69043995	SHSHA50x200-CBL 69044001	SHSHA50x200-CBR 69044002
Kit K	SCPB50-SLL 69043991	SCPB50-SLR 69043992			
Kit M	SCPB50-SSL 69043993	SCPB50-SSR 69043994	SCPB50x460 69043996		
Kit N	SCPB50-SLL 69043991	SCPB50-SLR 69043992			
Kit P	SCPB50-SSL 69043993	SCPB50-SSR 69043994	SCPB50x600 69043997		
Kit Q	SCPB50-SLL 69043991	SCPB50-SLR 69043992			
Kit R	SCPB50-SSL 69043993	SCPB50-SSR 69043994	SCPB50x680 69043998		
Kit T	SCPB50-SLL 69043991	SCPB50-SLR 69043992			

Individual Parts

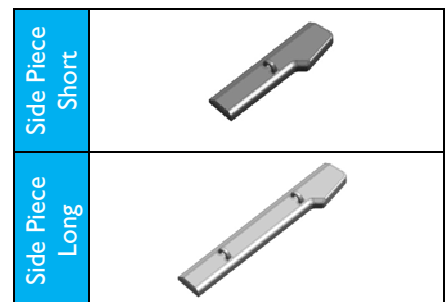
Part #	Sandvik #	Part Name
1	SHSBP50x200-CBR	69044000 Cast Profile Bar BP2 Front Heel Shroud Right
2	SHSBP50x200-CBL	69043999 Cast Profile Bar BP2 Front Heel Shroud Left
3	SHSHA50x200-CBR	69044002 Cast Profile Bar HA Front Heel Shroud Right
4	SHSHA50x200-CBL	69044001 Cast Profile Bar HA Front Heel Shroud Left



Part #	Sandvik #	Part Name
1	SCPB50x290	69043995 Cast PB Centre Casting 290mm
2	SCPB50x460	69043996 Cast PB Centre Casting 460mm
3	SCPB50x600	69043997 Cast PB Centre Casting 600mm
4	SCPB50x680	69043998 Cast PB Centre Casting 680mm



Part #	Sandvik #	Part Name
1	SCPB50-SSR	69043994 Cast Profile Bar Straight Short Right
2	SCPB50-SSL	69043993 Cast Profile Bar Straight Short Left
3	SCPB50-SLR	69043992 Cast Profile Bar Straight Long Right
4	SCPB50-SLL	69043991 Cast Profile Bar Straight Long Left



Detail Calculations

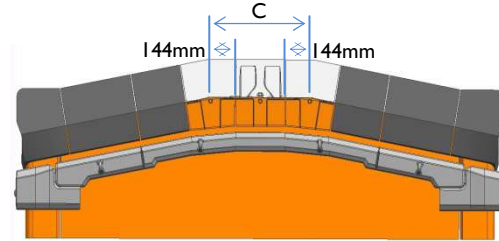
Calculation for (Y) in Step 1

Blue Pointer 2

$$Y = C - (\text{Half Transition Shroud} \times 2)$$

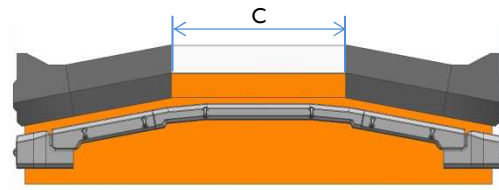
$$Y = C - (144 \times 2)$$

$$Y = C - 288$$



Half Arrow

$$Y = C$$



Calculation for (Z) in Step 2

Blue Pointer 2

$$Z = \frac{[W - \{\text{Centre Piece} + (\text{Heel Shroud} \times 2) - (\text{Half Cheek Face Thickness} \times 2)\}]}{2}$$

$$Z = \frac{[W - \{1400 + (175 \times 2) - (25 \times 2)\}]}{2}$$

$$Z = \frac{[W - 1700]}{2}$$

Half Arrow

$$Z = \frac{[W - \{\text{Centre Piece} + (\text{Heel Shroud} \times 2)\}]}{2}$$

$$Z = \frac{[W - \{1400 + (175 \times 2)\}]}{2}$$

$$Z = \frac{[W - 1750]}{2}$$