

Where Innovation Pushes Progress.

The new-improved Sheppee pushbar system.



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Precision Where It Matters Most

Sheppee is the industry leader in hot end ware handling, providing solutions to customers all over the globe.

We're renowned for manufacturing radial transfer units, ware transfer drives, lehr loaders, auxiliary conveyor systems, cross conveyor assemblies, pushbars and more.

Since 2014, Sheppee has been part of the Rondot Group - a group consisting of 8 diverse brands and therefore a global partner for glassmakers. Sheppee is the only company in the world that focuses solely on hot-end glass container handling solutions.

Sheppee has established a distinct place within the glass container manufacturing industry, and we are proud to supply our pioneering products, not least the new-improved Sheppee Pushbar system.

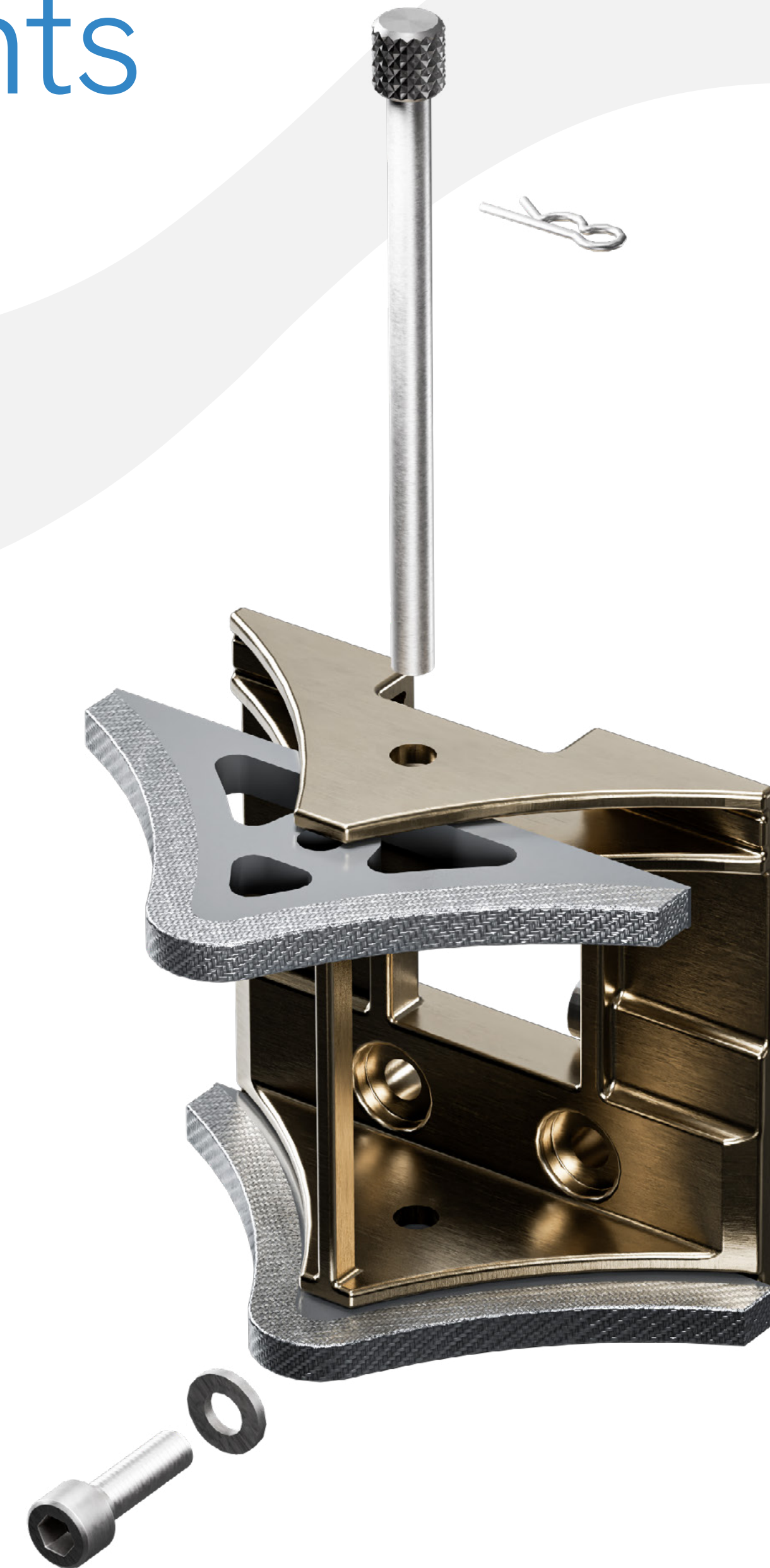
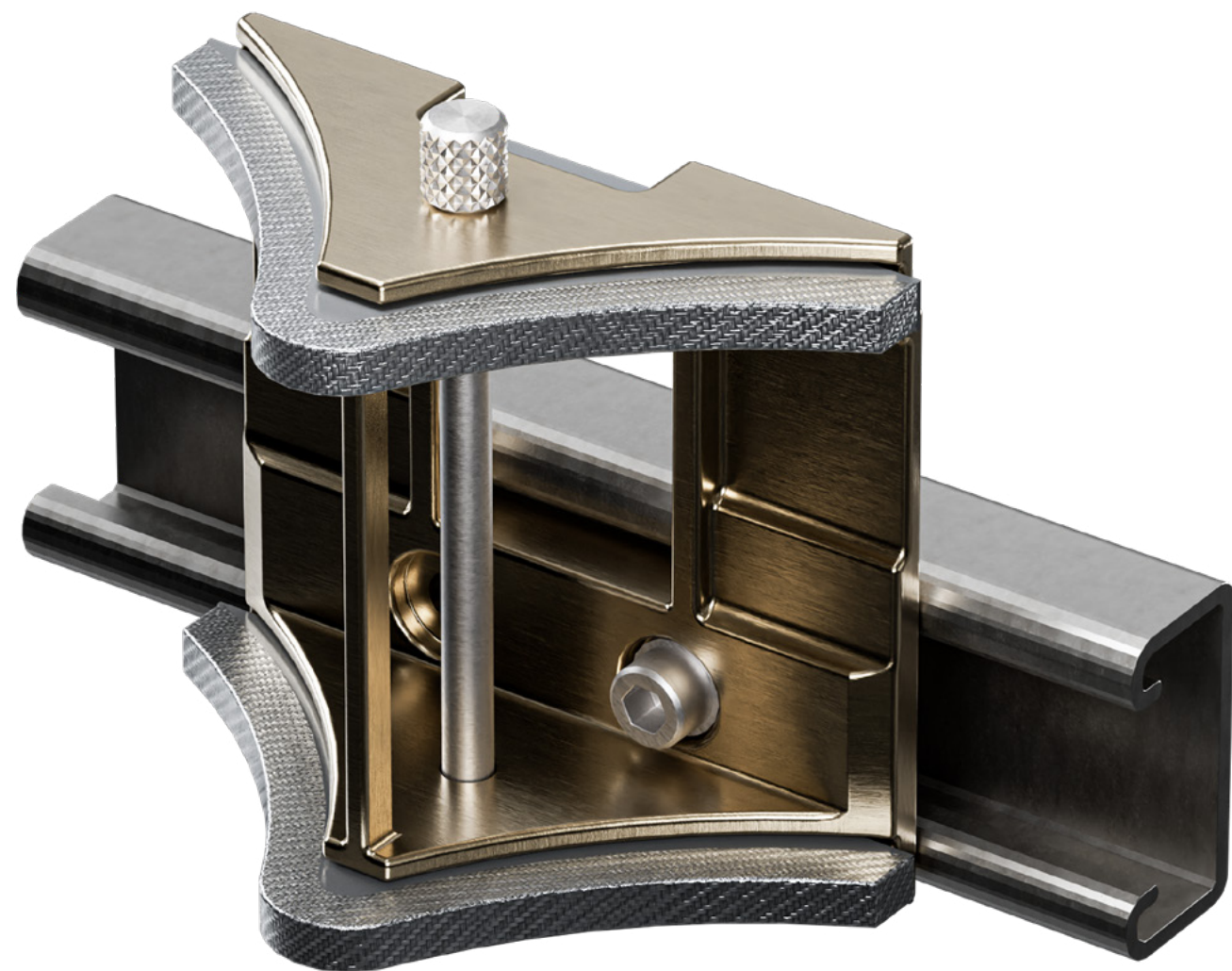


Pushbar System Improvements

The Pockets

Sheppee has introduced a new material for its pushbar pockets. It's an advanced alloy recognised for its high strength and excellent shock and wear resistance. Its low thermal conductivity in comparison to previously used materials makes it ideal to work in the heat at the entrance to the lehr and its low coefficient of thermal expansion means it will maintain its shape well in this environment.

The fundamental shape and functionality of the pockets will remain the same. Part numbers for the pockets/assemblies are shown further on.



Pushbar System Improvements

The Back Nut

The new design of back nut has a deeper recess which allows the back nut to be torqued correctly thus eliminating any possibility of pockets becoming loose.

DP-141-014 will replace C831-RS176-006 on all pockets and push pads.

Old Style Back Nut



New Style Back Nut



Air Less Pushbars (ALP)

Maintaining the same box sectional design as the Air Cooled bar the ALP incorporates several new features to prevent heat distortion without the need for cooling. Bars over 2m are supplied in 2 pieces allowing for fine adjustments to keep the loading face parallel to the lehr entrance.

Features

- Suitable for mounting on a wide range of lehr loaders and lehr widths.
- Tilt adjustment as standard with Sheppee Loaders.
- Outriggers mounted on all bars over 3.5m to improve stability (unless being used on a 4 point lift frame).
- Suitable for Sheppee's entire range of interchangeable pocket shapes and sizes with precise setting gauges for fast, accurate pocket changes without the need to change the entire bar.
- Interconnected heat shield design helps to balance the expansion of the main structure, allowing the bar to remain straight.
- Tested up to 5.4m.
- No requirement for pre-stressing.
- No requirement for cooling air.



Air Cooled Pushbars

Air Cooled Pushbars are designed to be used in conjunction with compressed air to ensure the bar doesn't overheat and they are supplied individually pre-stressed to ensure the bar does not deform during use.

Features

- Suitable for mounting on a wide range of lehr loaders and lehr widths.
- Tilt adjustment as standard with Sheppee Loaders.
- Outriggers mounted on all bars over 3.5m to improve stability and eliminate deformation due to heat.
- Pre-stressed.
- Suitable for Sheppee's entire range of interchangeable pocket shapes and sizes with precise setting gauges for fast, accurate pocket changes without the need to change the entire bar.



Adaptable Mounting Solutions

All bars can be made to suit a wide range of lehr loaders.

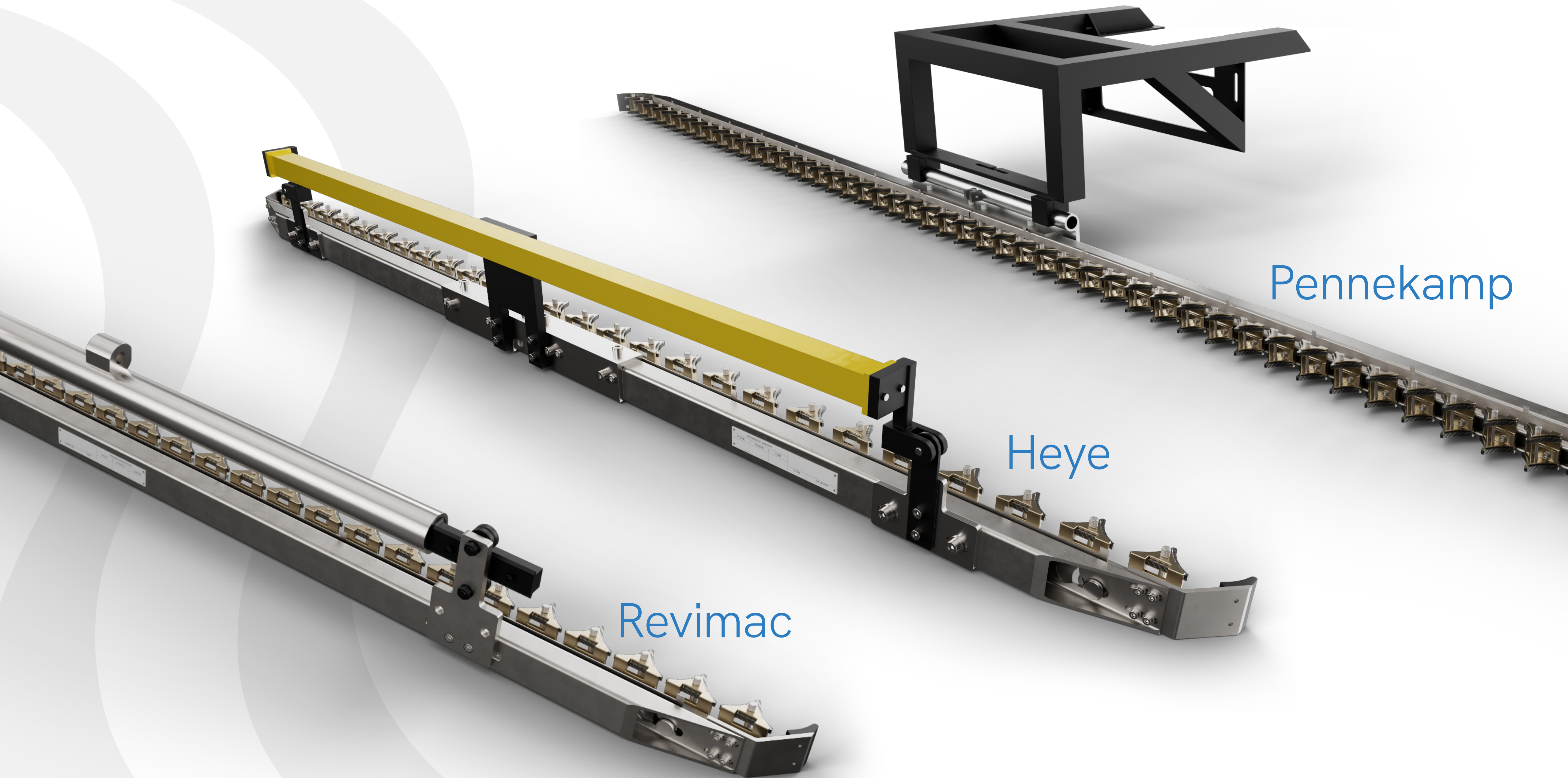




Sheppee Tri Flex Lift
Frame With Outriggers



Sheppee Speedliner
4 point Lift Frame (ALP Only)



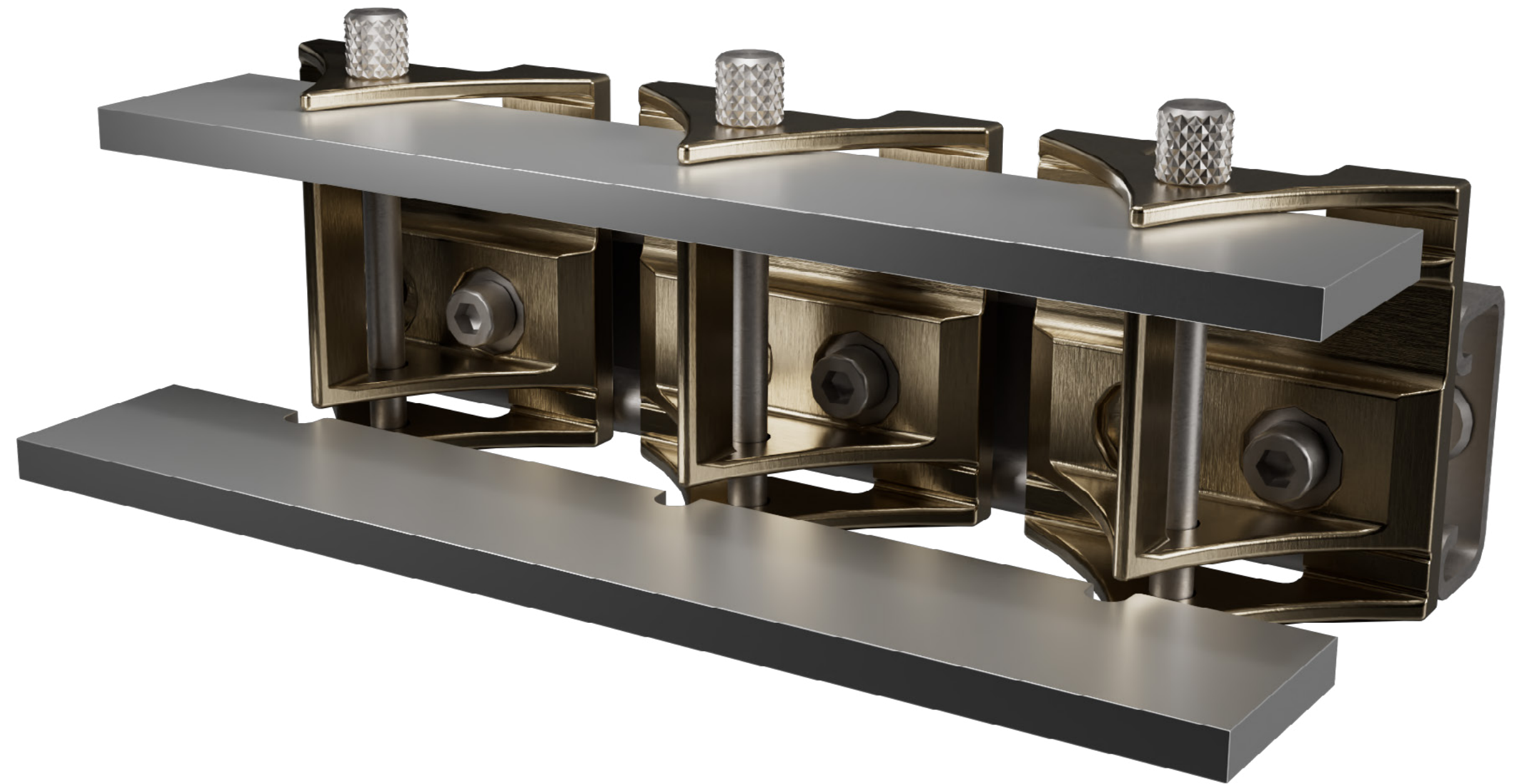
Pennekamp

Heye

Revimac

Setting Gauges

Precise setting gauges allow for fast, accurate pocket changes whilst ensuring article spacing is uniform across the length of the bar (Supplied with every bar).



Shaped Pocket Options

There are 12 standard insulator holder options. These are split into two categories, Round or Triangular, with three separate sizes per category. There is also the option to choose between Carbon or Stainless-Steel Braid (SSB) inserts. Each standard holder is cast from an advanced Aluminium Bronze Alloy which provides outstanding shock and wear resistance.



[Standard Curved Pocket Assemblies](#)

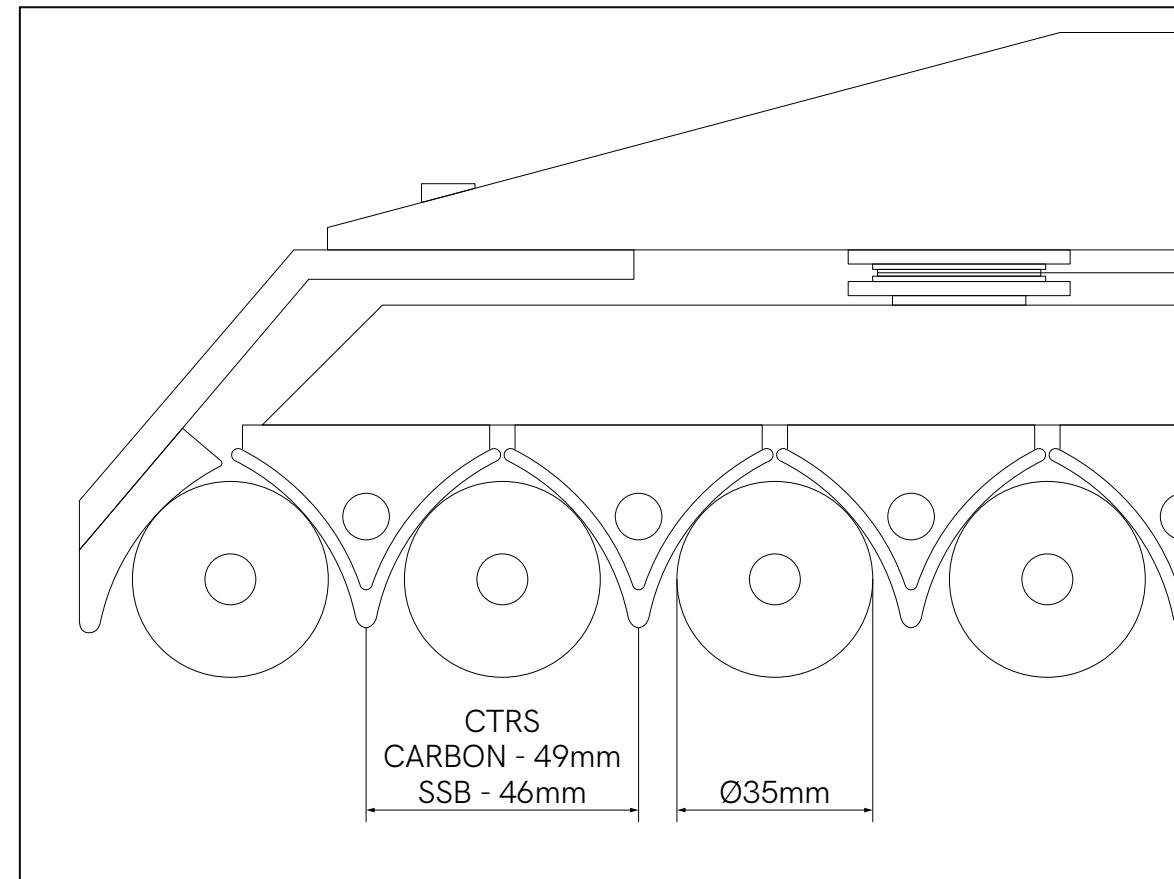


[Standard Triangular Pocket Assemblies](#)

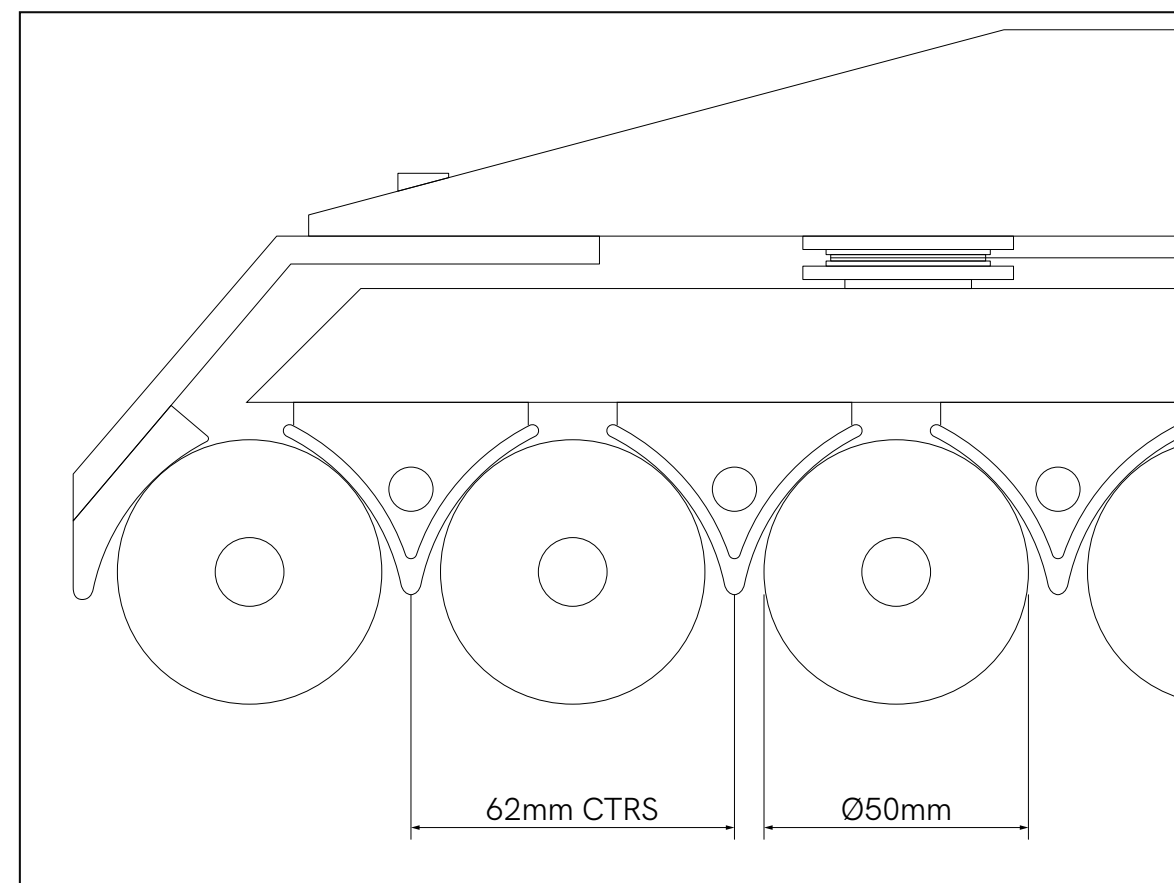
Curved Pocket Sizes

Size 01 | Diameter 35mm to 50mm

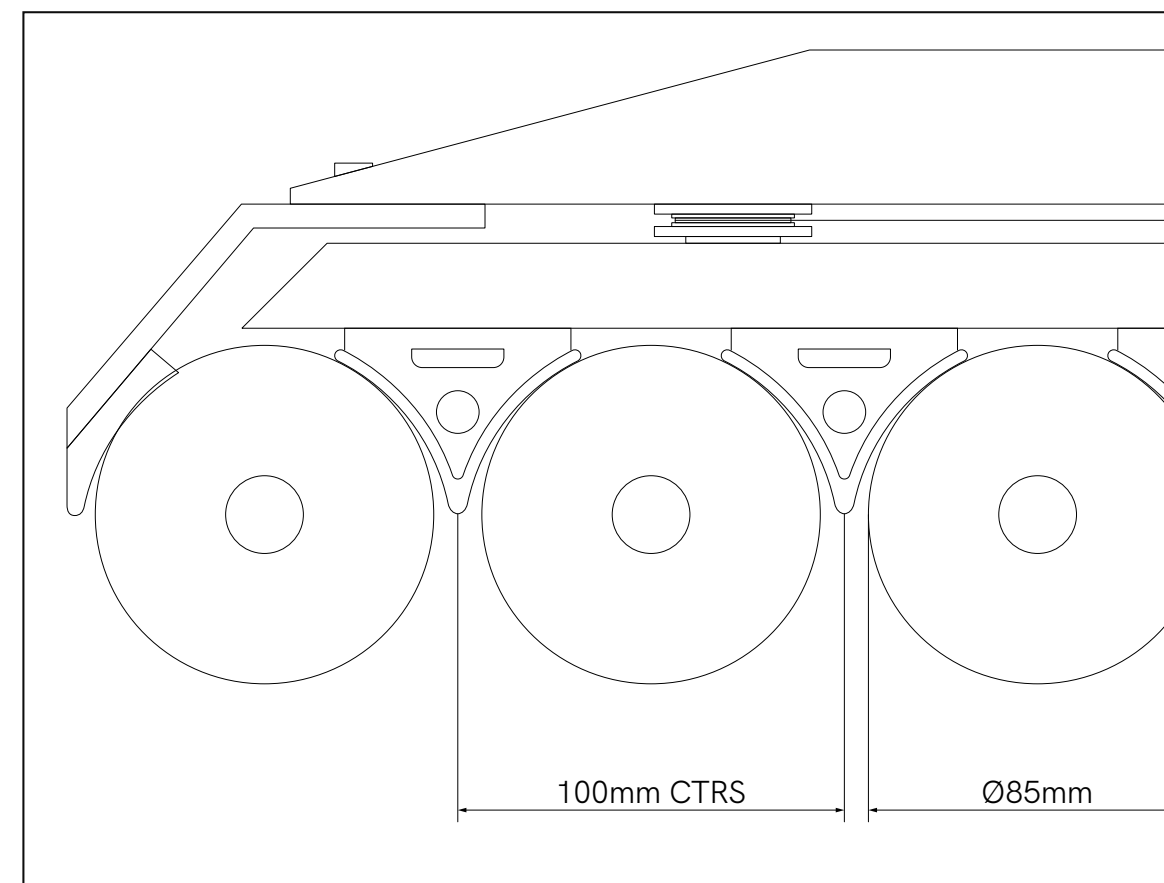
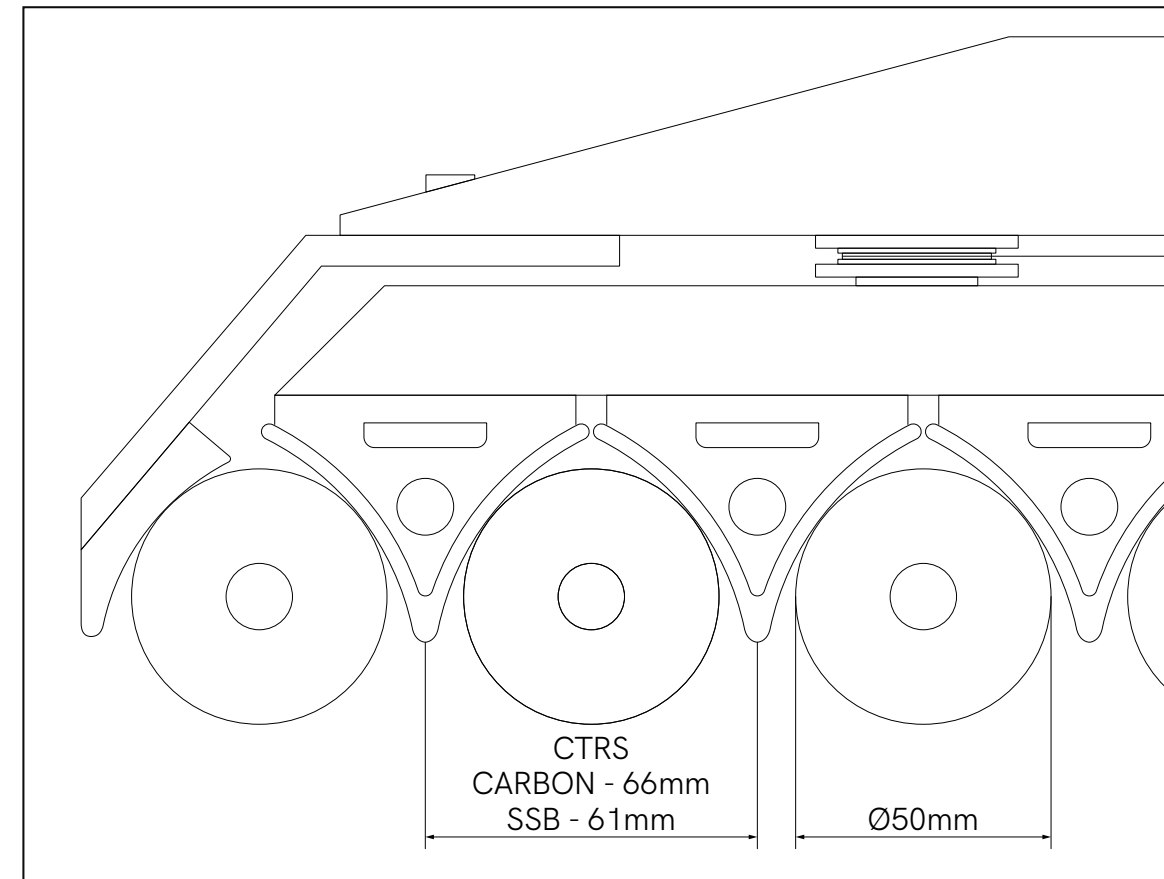
Minimum Dimensions



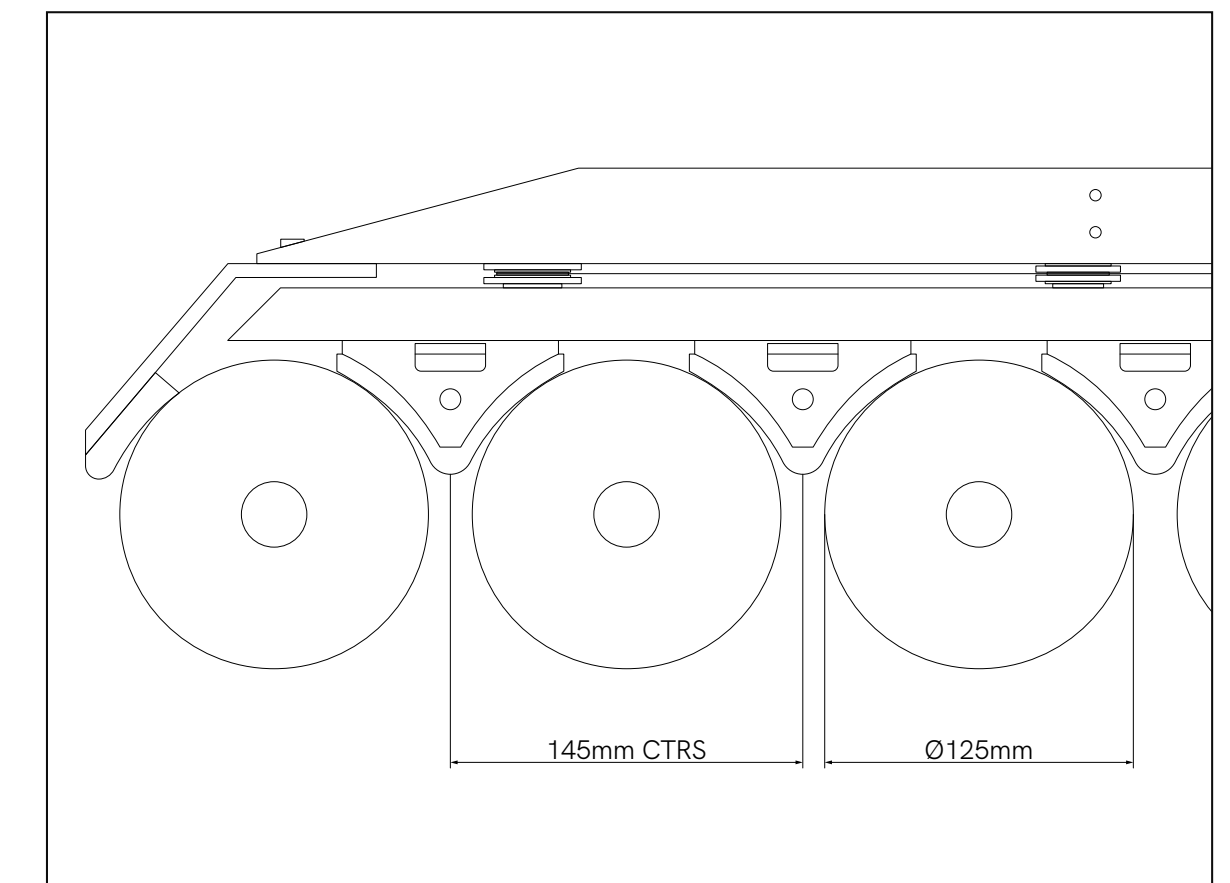
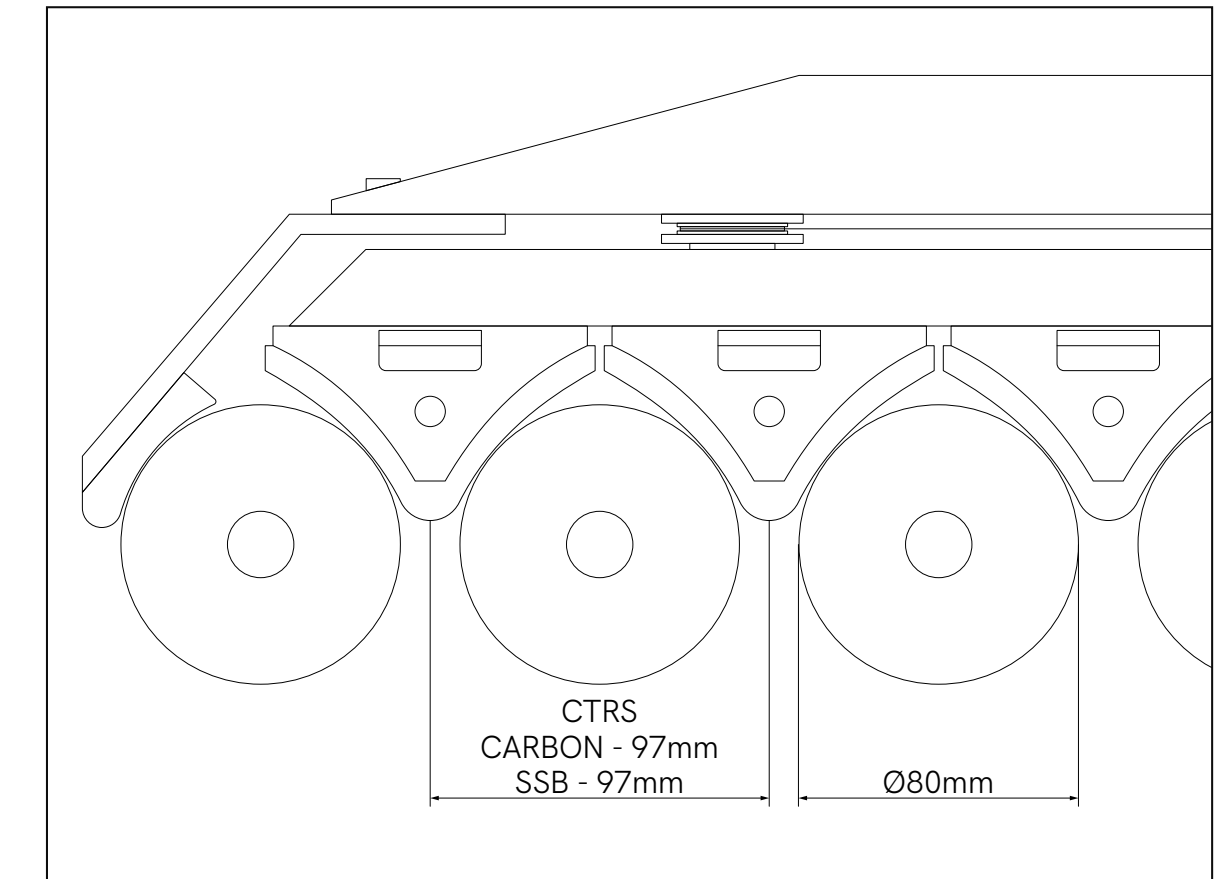
Maximum Dimensions



Size 02 | Diameter 50mm to 85mm



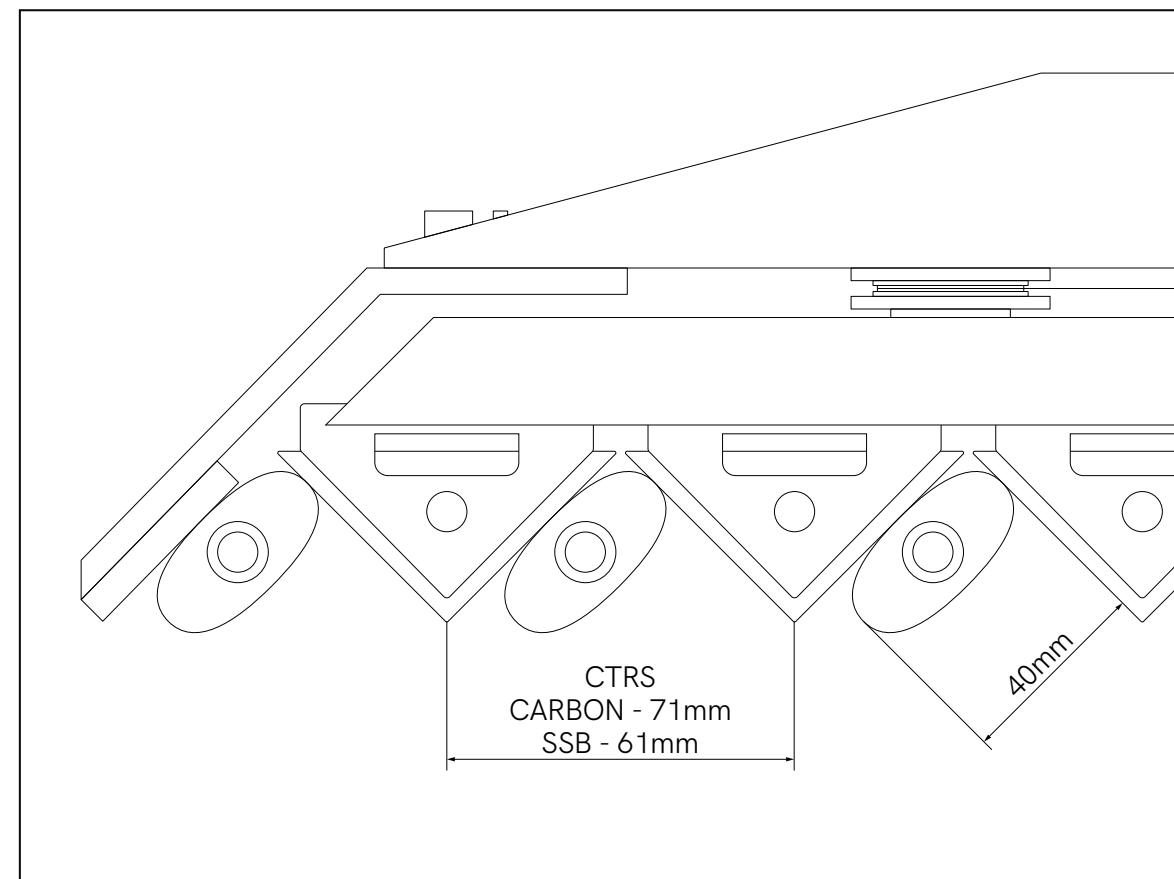
Size 03 | Diameter 80mm to 125mm



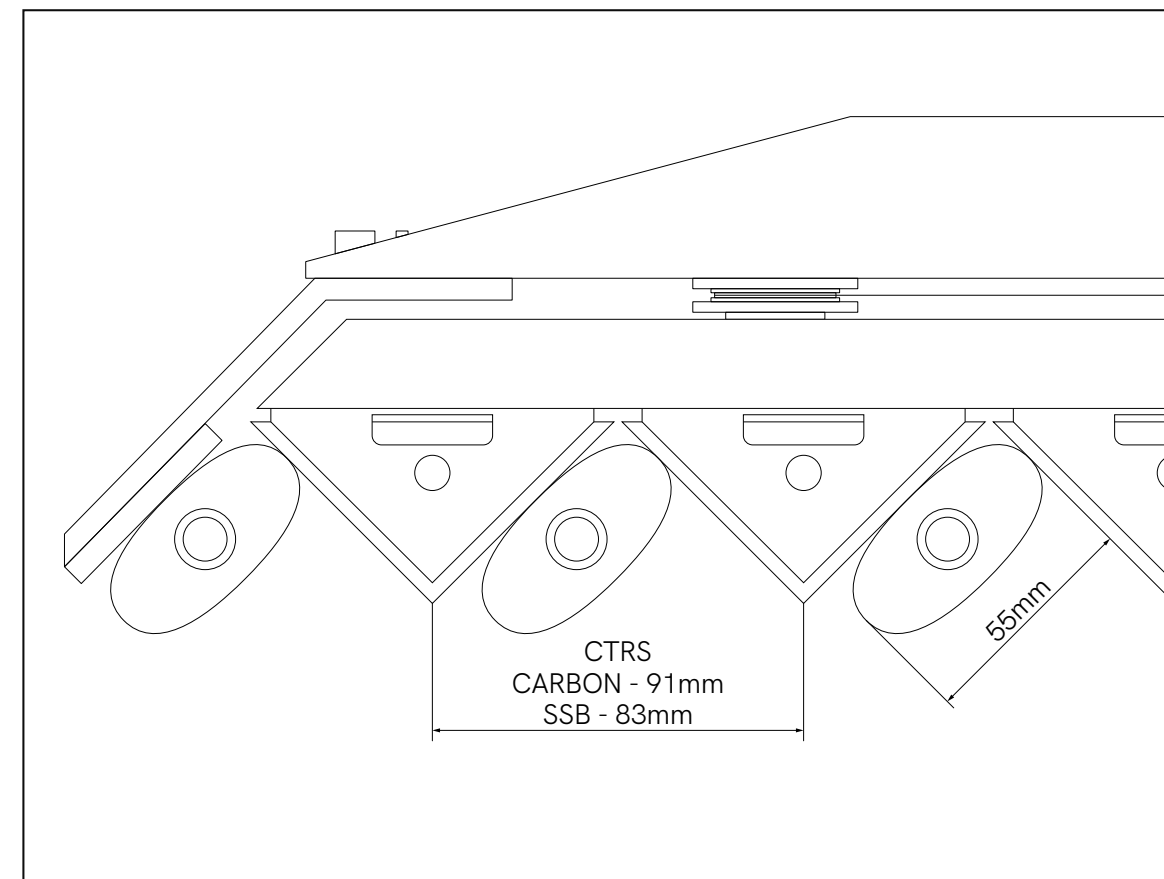
Triangular Pocket Sizes

Size 01 | Major axis 40mm to 60mm

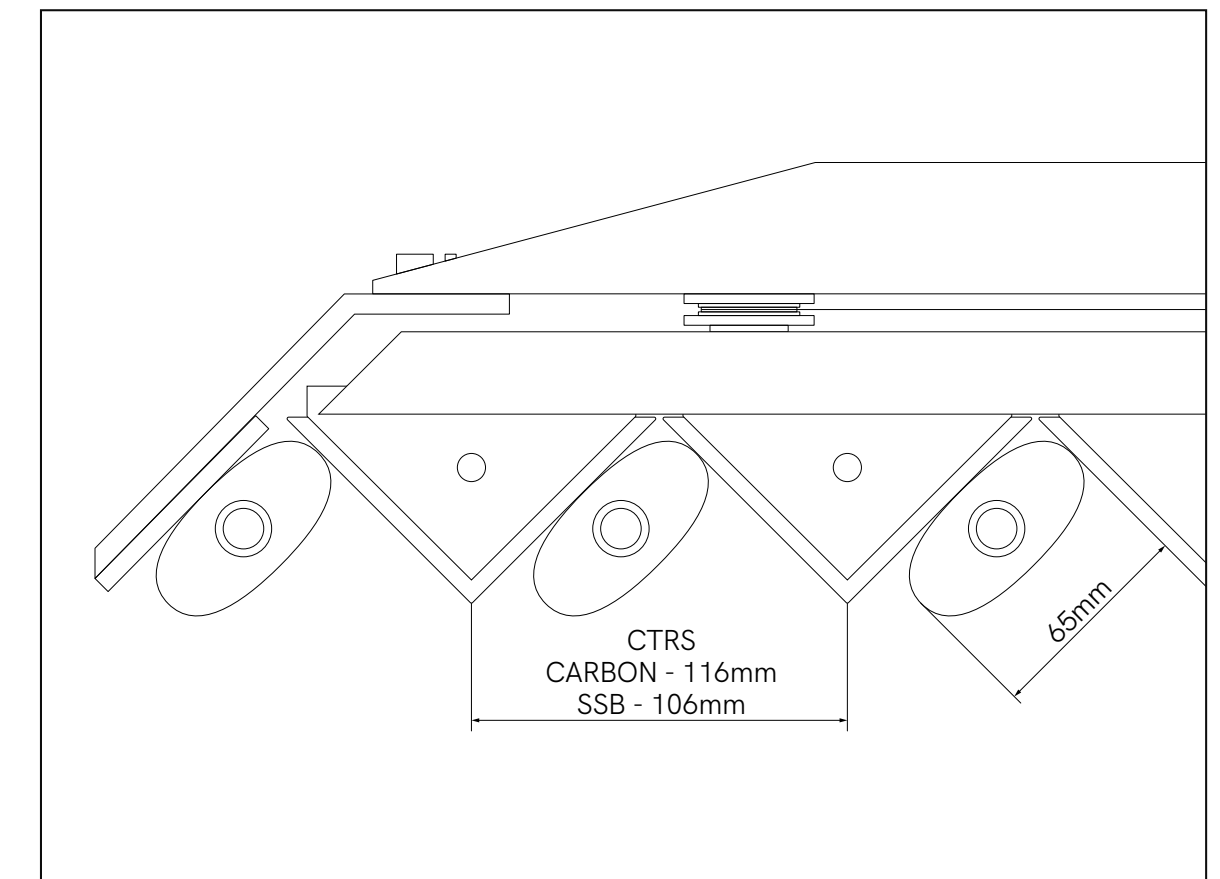
Minimum Dimensions



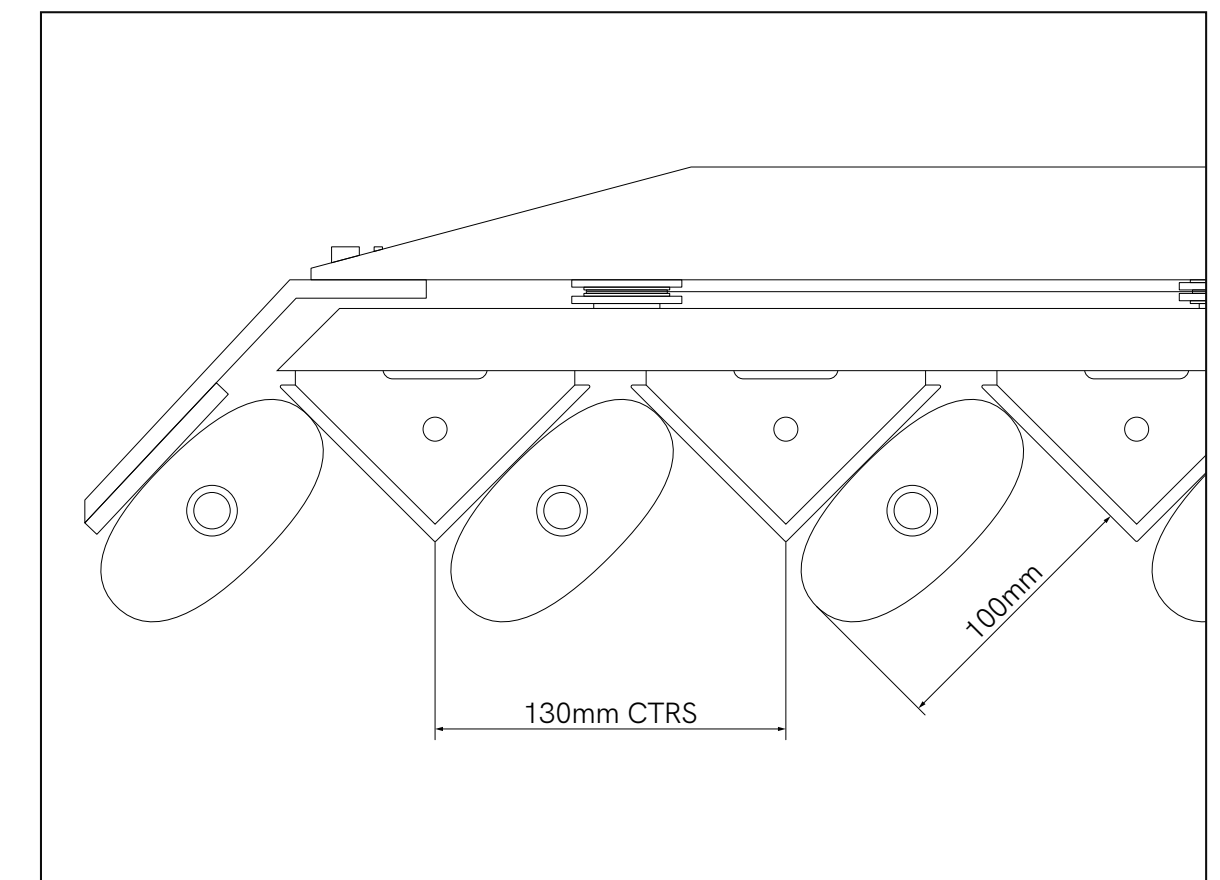
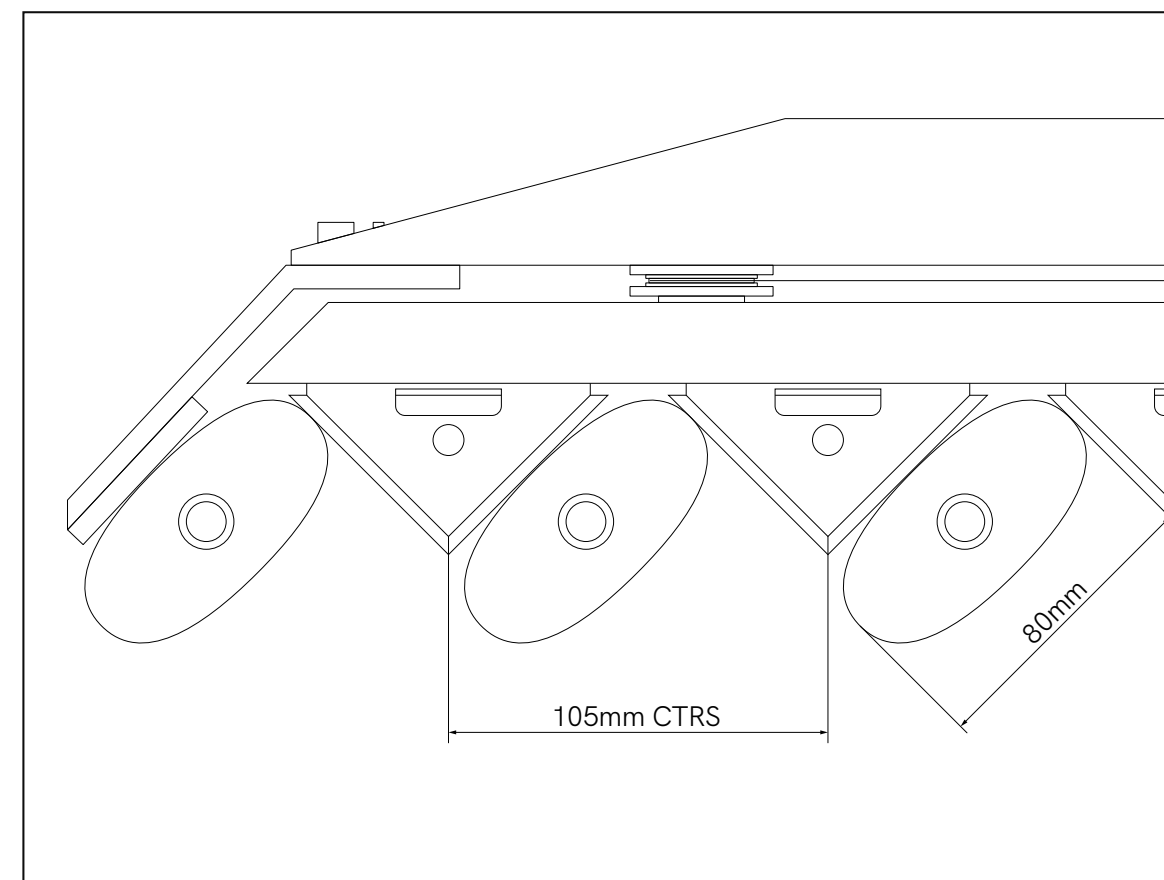
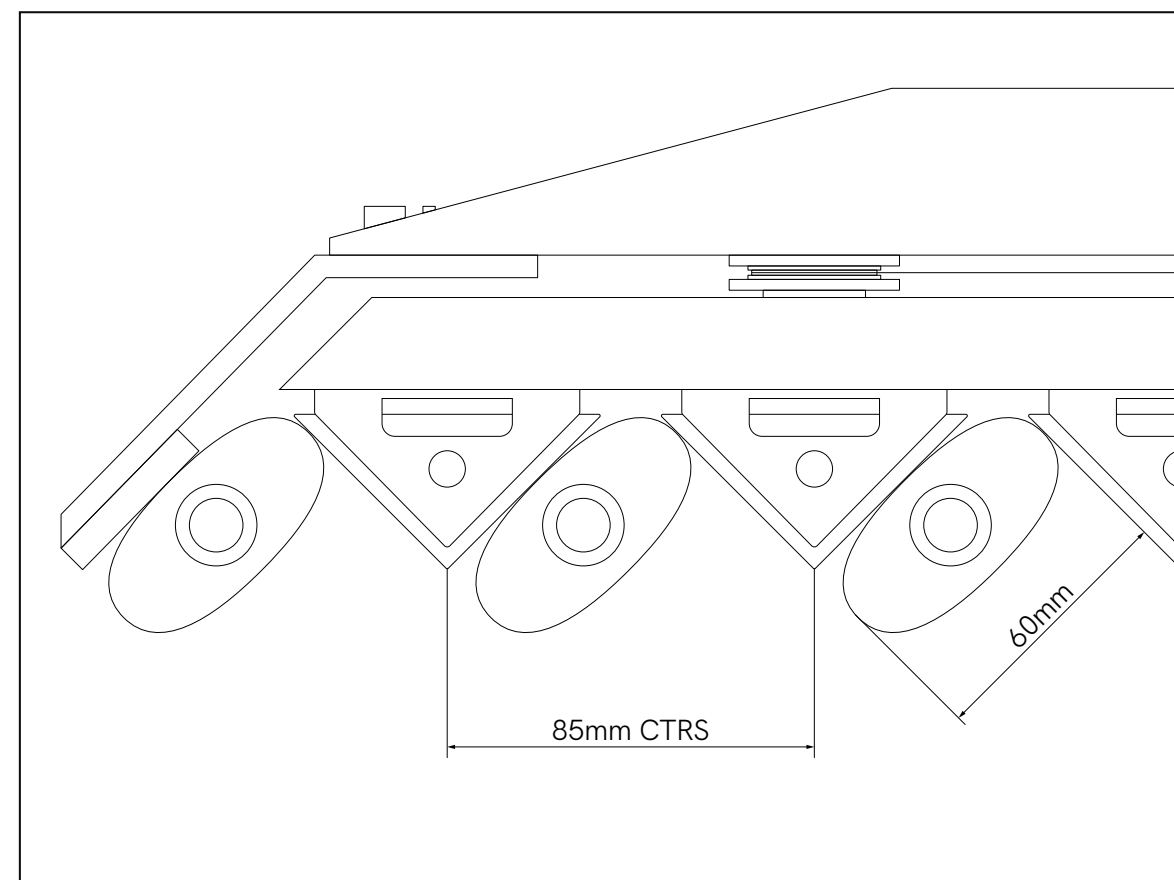
Size 02 | Major axis 55mm to 80mm



Size 03 | Major axis 65mm to 100mm



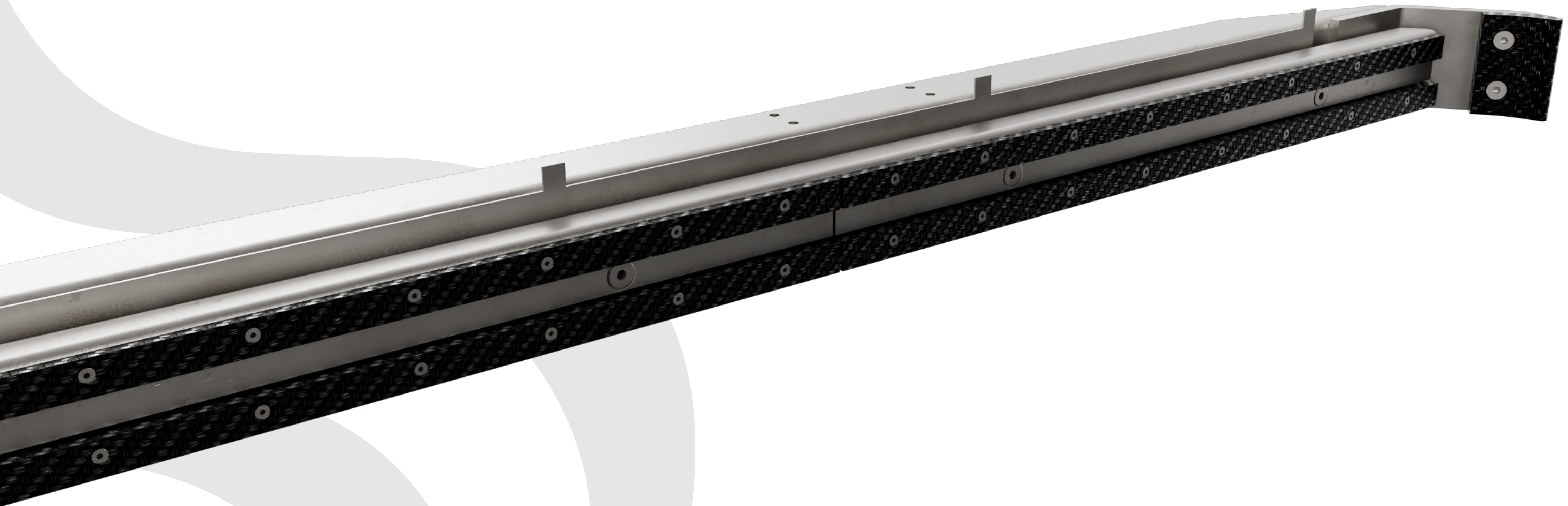
Maximum Dimensions



Plain Pushbar

If none of the shaped pockets are suitable, plain insulators can be fitted across the bar. This will provide a flat surface, suitable for any container and available in both Carbon and SSB specifications.

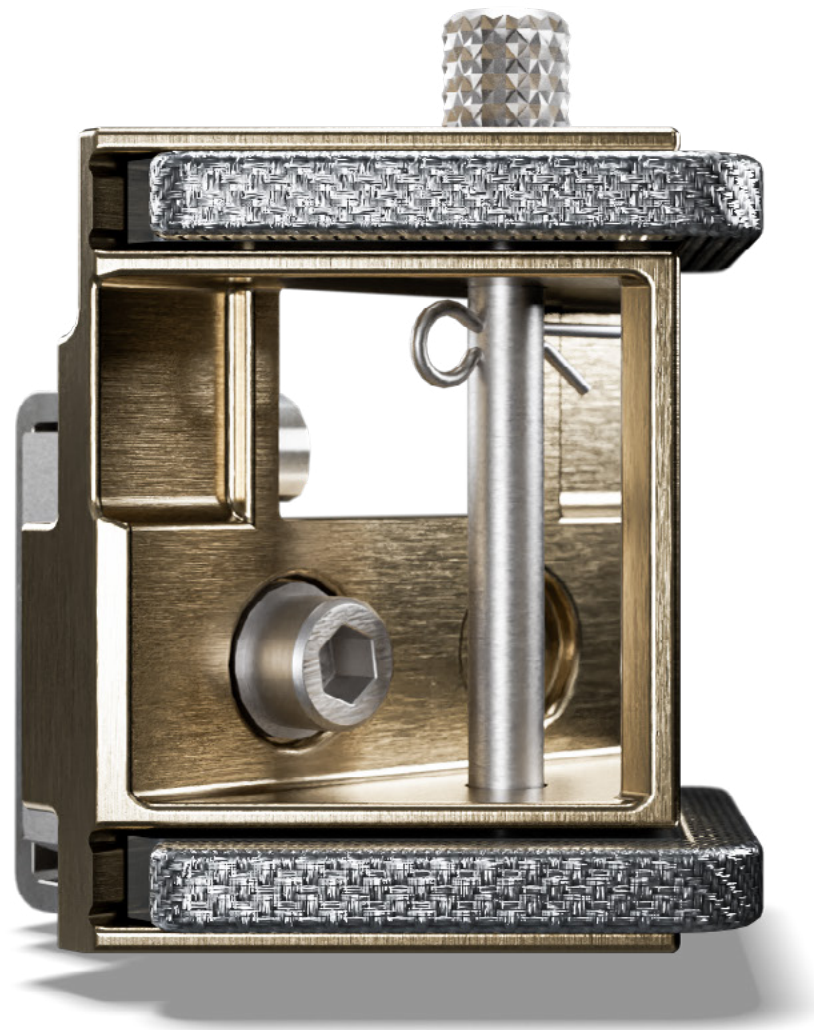
Plain Carbon Assembly



Contact Material Option

All pockets and End Pads are available with Carbon or Stainless-Steel Braid (SSB) insulators.

Stainless Steel Braid



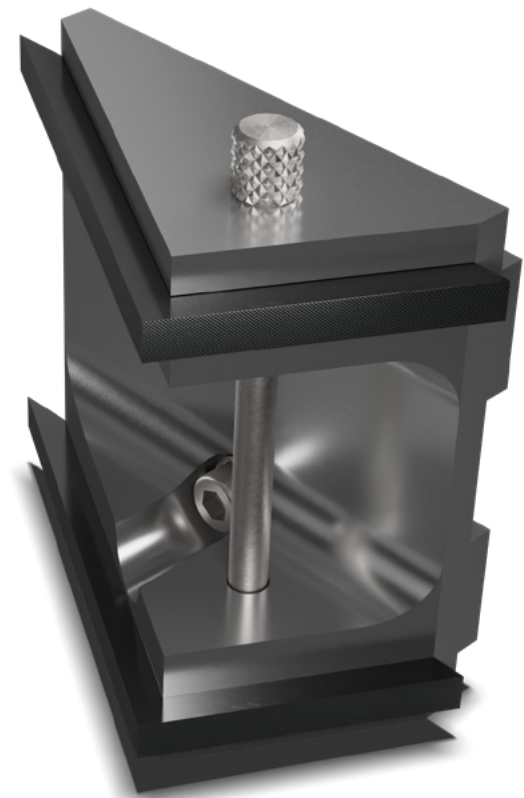
Carbon



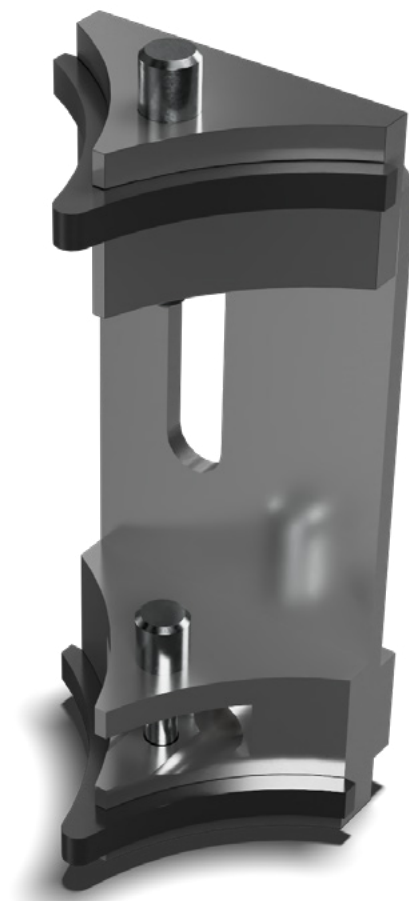
Custom Pockets

If the job requires a special pocket Sheppee is always available to discuss customised options.

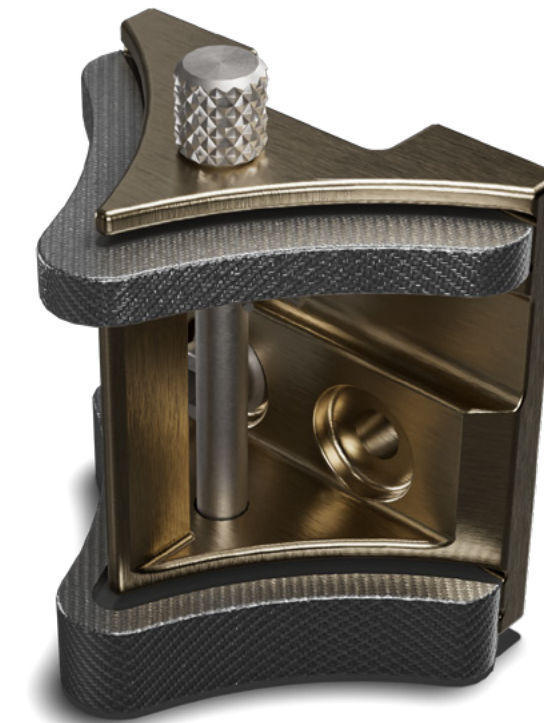
T4F Flask Pocket



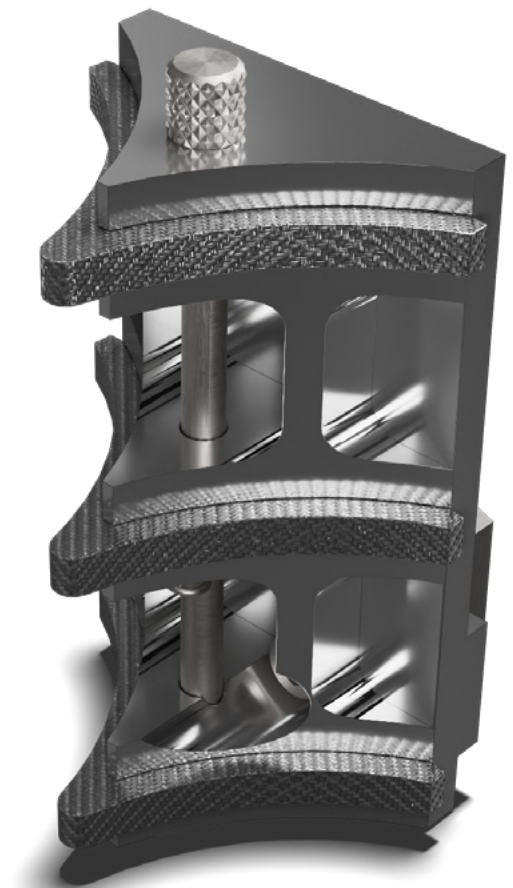
Decorating Line Pocket



Low Profile Insulation

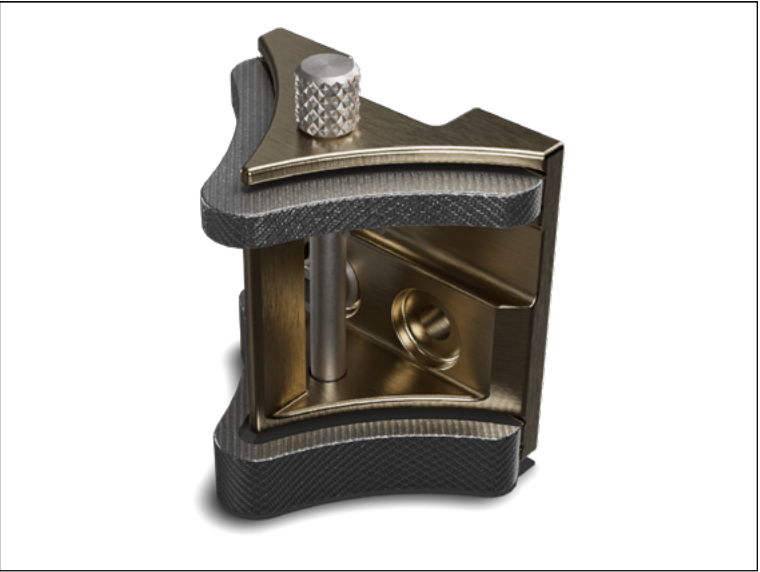


Tall Ware



Part Numbers

Curved Pocket

Pocket Assembly*	Pocket Size	Part Number	
	Size 01	DP/099/692	
	Size 02	DP/099/691	
	Size 03	DP/099/693	

Insulator Holder

	Size 01	DP/099/699	
	Size 02	DP/099/700	
	Size 03	DP/099/701	

Inserts*

	Size 01	DP/099/111	
	Size 02	DP/099/070	
	Size 03	DP/099/166	

*Add '-SSB' on to part number for Stainless Steel Braid

Part Numbers

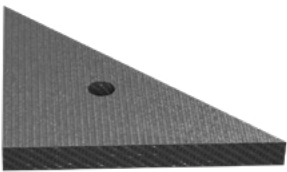
Triangular Pocket

Pocket Assembly*	Pocket Size	Part Number	
	Size 01T	DP/099/694	
	Size 02T	DP/099/695	
	Size 03T	DP/099/696	

Insulator Holder

	Size 01T	DP/099/702	
	Size 02T	DP/099/703	
	Size 03T	DP/099/704	

Inserts*

	Size 01T	DP/099/095	
	Size 02T	DP/099/026	
	Size 03T	DP/099/040	

*Add '-SSB' on to part number for Stainless Steel Braid

End Pads - Air Less Pushbar - Quick Change

The ends of every ALP bar are covered with easy to change end pads. Curved and Triangular Pockets each have their own uniquely shaped end pads to ensure that each article fits comfortably and in line with the rest. While each shape does have a standard end pad there are variations on these to suit different situations. Feel free to contact Sheppee for more information.

Standard End Pocket Part Numbers

Curved End Pad*	Pocket Size	Part Number	
	Size 01	ALP-103-01	
	Size 02	ALP-103-02	
	Size 03	ALP-103-03	

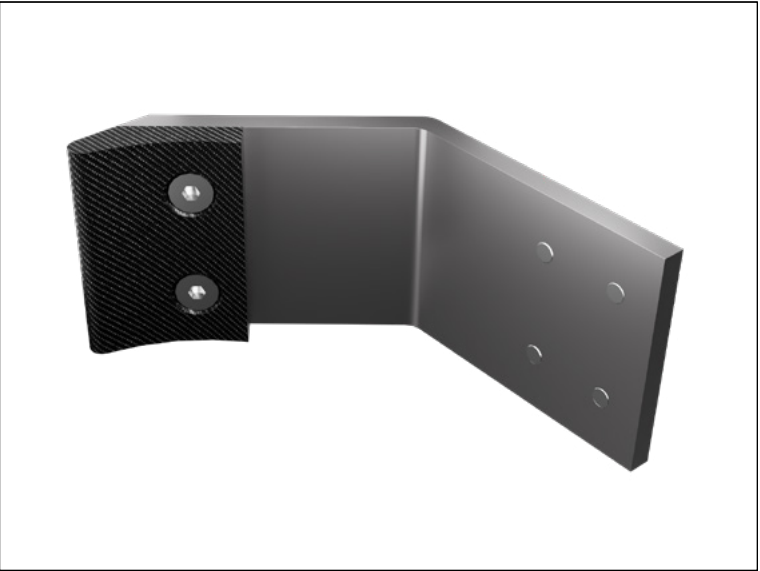
Triangular End Pad**

	Size 01	ALP-103-01T-L / ALP-103-T-S	
	Size 02	ALP-103-02T-L / ALP-103-T-S	
	Size 03	ALP-103-03T-L / ALP-103-03T-S	

*Add '-SSB' on to part number for Stainless Steel Braid
**Triangular Pockets have a long and short end pad for clearance

End Pads - Air Cooled Pushbar

Standard End Pocket Part Numbers

Curved End Pad*	Pocket Size	Part Number	
	Size 01	DP/099/115A	
	Size 02	DP/099/108A	
	Size 03	DP/099/166A	

Triangular End Pad**

	Size 01	DP/099/381A / DP/099/110A	
	Size 02	DP/099/109A / DP/099/110A	
	Size 03	DP/099/262A-LG / DP/099/262A-SH	

*Add '-SSB' on to part number for Stainless Steel Braid
**Triangular Pockets have a long and short end pad for clearance

Pocket Calculator

				Maximum number of Pockets												
				Bar Width (m)												
Material	Shape	Size	Min Pitch (mm)	1.8	2.1	2.4	2.7	3.0	3.3	3.6	3.9	4.2	4.5	4.8	5.1	5.4
Carbon	Curved	01	49	36	42	48	55	61	67	73	79	85	91	97	104	110
		02	66	27	31	36	40	45	50	54	59	63	68	72	77	81
		03	97	18	21	24	27	30	34	37	40	43	46	49	52	55
	Triangular	01	71	25	29	33	38	42	46	50	54	59	63	67	71	76
		02	91	19	23	26	29	32	36	39	42	46	49	52	56	59
		03	115	15	18	20	23	26	28	31	33	36	39	41	44	46
Stainless Steel Braid	Curved	01	46	39	45	52	58	65	71	78	84	91	97	104	110	117
		02	62.7	28	38	38	43	47	52	57	62	66	71	76	81	86
		03	97	18	21	24	27	30	34	37	40	43	46	49	52	55
	Triangular	01	61	29	34	39	44	49	54	59	63	58	73	78	83	88
		02	83	21	25	28	32	36	39	43	46	50	54	57	61	65
		03	106	16	19	22	25	28	31	33	36	39	42	45	48	50

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