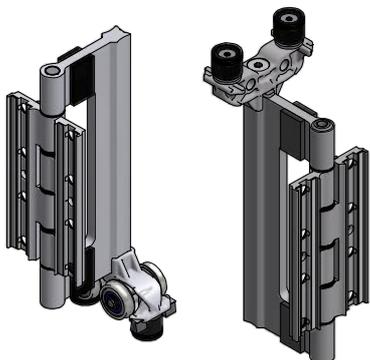


CALDWELL

SOLUTIONS THAT SET NEW STANDARDS

FOLD AND SLIDE HARDWARE

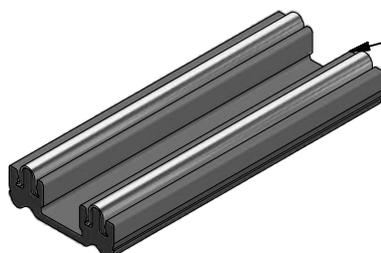
TYPICAL ROLLER AND TOP GUIDE



TYPICAL SINGLE ROLLER AND TOP GUIDE



The track profile needs to be compatible with Caldwell wheels in order to ensure proper operation. Caldwell offer a plastic track carrier with stainless steel rail inserts. These can be used to help achieve improved thermal efficiency when used in aluminium fold and slide doors. The stainless steel track simply clip fits in to the track profile, a 38mm polyamide thermal break is normally also utilised in the frame.



UK856 Plastic track with UK857 stainless steel track inserts fitted. Patent application No. 1306682.4

TYPICAL OPEN IN 'D' HANDLE ASSY



TYPICAL 'D' HANDLE ASSY



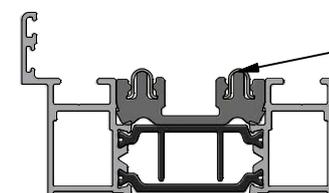
TYPICAL HINGE



PLASTIC SHIM



TYPICAL S/S SHIM



UK856 Plastic track shown fitted to aluminium frame section to enhance thermal performance.

HINTS AND TIPS

In order to ensure the best performance and longest service life for the hardware the stainless steel track should be installed ensuring it remains flat to within $\pm 1.00\text{mm}$. It is also important to ensure that it has no more than 1° twist across the length of the stainless steel tracks after installation.

If the track has excessive twist or bow, the loads passed through the hardware will be significantly increased and the life of the product will be adversely affected.

All Caldwell hinges come with optional use clamp plates with final fix holes. The clamp plates slide in a groove in the door leaf and allow vertical adjustment when slackened. The final fix hole is used to secure the hinge in its final position by securing a self drilling screw directly in to the sash.

Please note that the final fix screw should not be fitted until the final installation stage and only once the seal gaps around the sashes have been checked.

Alternatively, the hinge leaves can be fixed directly through to the door leaf without using the clamp plates by using self tapping screws.

After the installation has been completed, double check that all roller wheels are still in contact with the track. There is some allowance for misalignment within the roller design but incorrect installation can also result in wheels losing contact with the track. Should all wheels not be in contact then service life time of the product will be reduced.

It is important to ensure that the profile cutting tolerances result in the last door leaf being slightly undersize. Caldwell shims can then be used where required across the door hinges (between the hinge and door leaves) to correctly set the gap for the final door leaf.

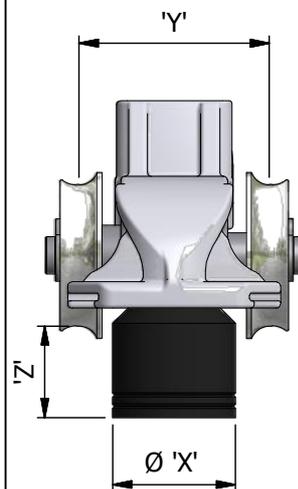
Standard rollers and top guides are used when two door leaves are supported by the roller. Where only one door is supported, the single roller must be used.

The geometry of the door causes it to grow slightly before starting to open and this condition is made worse the smaller the door leaf width.

Always double check that the doors geometry is suitable for this application ensuring no clash between the door and the frame. If there is any doubt please contact Caldwell Technical department for advice.

ROLLER KEY DIMENSIONS

REFER TO MATRIX BELOW FOR SIZES



DOOR SYSTEM	ROLLER	TOP GUIDE	LH SINGLE ROLLER	LH SINGLE TOP GUIDE	RH SINGLE ROLLER	RH SINGLE TOP GUIDE	HINGE 'A'	HINGE 'B'	'D' HANDLE HINGE	OPEN IN 'D' HANDLE	SHIM	Ø 'X'	'Y'	'Z'
KBS	PE911	PE912	PE913	PE914	PE921	PE922	PE917	N/A	PE915	PE916	UK870	14.9mm	24mm	13.1mm
DEBAR	PE923	PE924	PE932 - MULLION ROLLER ASSY				PE927	N/A	PE928	PE929	PE88182	14.9mm	24mm	13.1mm
JOEDAN	PE946	PE945	PE949	PE947	PE948	PE950	PE943	PE944	PE895	PR904	UK865	13.4mm	25mm	9.1mm
METAL TECH	PE884	PE885	PE886	PE887	PE886	PE887	PE889	N/A	PE888	PE903	PE88182	15.5mm	25mm	12.1mm

ALL PE*** PART NUMBERS MUST HAVE A FINISH CODE SUFFIX ADDED.

HIPCAWHITE = RAL9910 WHITE

PCM9005 = RAL9005 BLACK

ANSAT = SATIN ANODISED

All of the information shown on this data sheet was correct at the time of issue. All information however is subject to change and therefore it is advisable to check with Caldwell Hardware to ensure that you have the latest issue level.