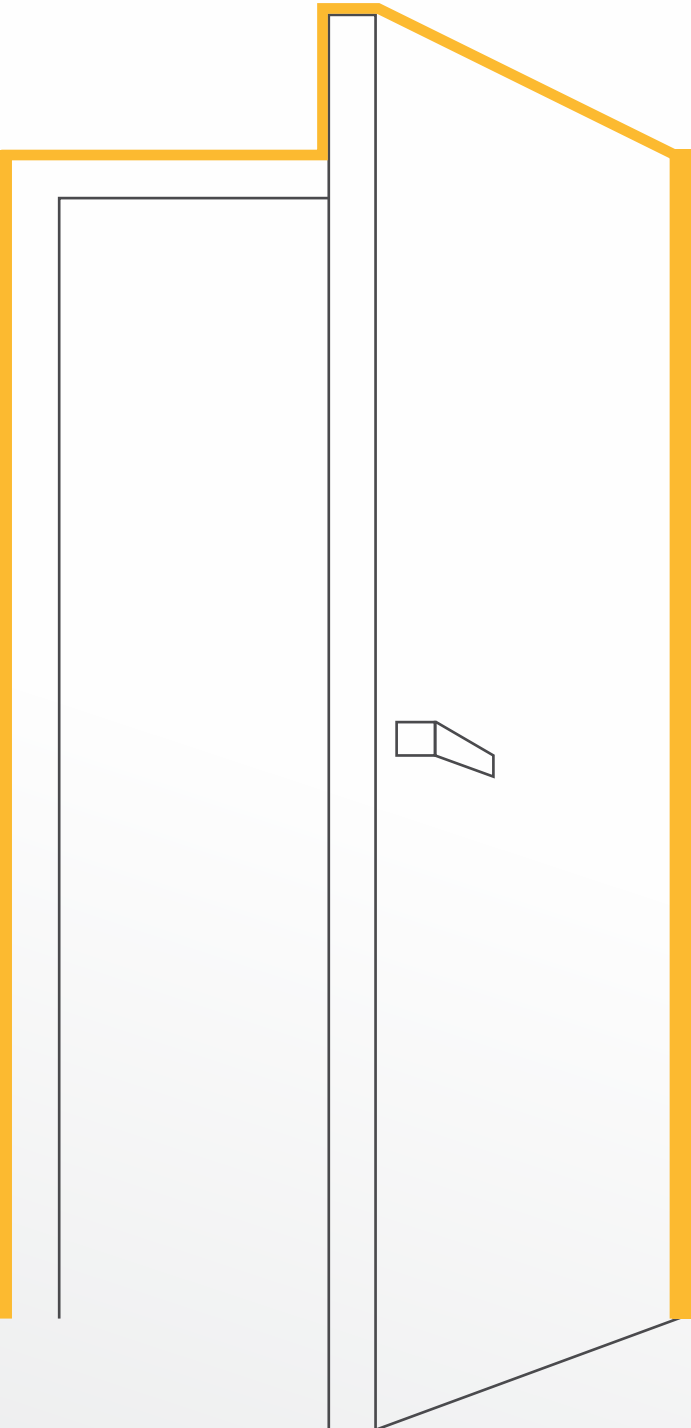




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## **McCoy Rock Series Friction Stay**

Heavy Duty Friction Stay, SS304 Grade

# McCoy Rock Series

Heavy Duty Friction Stay (SS304 Grade)

## Highlights:

- Heavy Duty 6 Bar Friction Hinges made from Austenitic SS304 Steel.
- SS304 (EN 1.4301) is composed of 17.5-20% Chromium, 8-11% Nickel, < 0.08% Carbon, 2% Manganese, 1% Silicon, 0.045% Phosphorous and 0.03% Sulphur and has Hardness of up to 360 BHN, high Fatigue Strength of up to 440 MPa, Young's Modulus of 200 GPa, Ultimate Tensile Strength up to 1180 MPa, Shear Strength up to 690 Mpa.
- With a Pitting Resistance Equivalent Number (PREN) of 20, and good resistance to Inter-Granular Corrosion, SS 304 is well serviceable in corrosive environments.
- Stack Height of 16.5 mm. suitable for Aluminium as well as PVC-U applications.
- Base Channel Width of 22.5 mm.
- Specially designed for Large and Heavy Top Hung Vents.
- Self Balancing with excellent weather sealing capabilities.
- Pressure adjustment screw for catering to different sash weights.
- Asymmetrical Arrow Head End Point and End Cap ensure tighter closure and better resistance to Wind Pressure.
- Capable of withstanding positive as well as negative wind pressure loads of up to 3 kPa in closed condition.
- Suitable options available for Vent sizes upto 2000 mm x 2000 mm.
- Can be used for Vent Weights upto 130 kg.
- 24 x 7 Technical Support.
- Grade V Corrosion Resistance - Successfully tested for 500 Hours in Neutral Salt Spray solution for Corrosion resistance. (Certificate available on request)
- Guaranteed for 10 years.



Remark: The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. In every case it is recommended to carry out preliminary experiments.

## McCoy Silicones Limited

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	Feature	Advantage	Benefit
	Asymmetrical Arrow Head End Point and End Cap	Asymmetrical End Point of the Sash mounting leaf enters the Asymmetrical End Cap on the Frame mounted leaf a little before hand, thereby ensuring perfect closure of the sash.	The tight closure of sash entails better resistance to Wind Load.
	Composite Stainless Steel and Plastic Slider	Smoother and Stick – Slip free movement of Vent, low wear and tear due to no Metal to Metal contact and Self Cleaning of debris.	Longer Service Life & low maintenance.
Made from High Quality Austenitic SS304 Stainless Steel.	Young's Modulus of 200 GPa, Ultimate Tensile Strength up to 1180 MPa, Shear Strength up to 690 MPa.	Very good Mechanical Properties leading to ease of Load Carrying capacity.	Longer Service Life
	Hardness of up to 360 BHN	Low Wear and Tear due to low abrasion.	Longer Service Life
	Fatigue Strength of up to 440 Mpa	Can withstand repeated loading and unloading cycles, so more Cycles of Operation can be achieved.	Longer Service Life
	PREN = 20	Very Good resistance to Corrosion.	Can be used in corrosive environment like proximity to Sea Shore or Chemical factories.
	Friction Adjustment	Regulates the amount of Force required to open and close the window.	Comfortable and easy to operate for the user.
	Self Balancing capabilities	Precludes the automatic closure of sash due to its own weight.	Safer as there is no chance of the sash closing down accidentally.

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**Technical Data**



Product Name	Stack Height	Bar Thickness	Number of Arm	Hung	Height (mm)	Width (mm)	Weight Capacity	Opening Angle*
McCoy Rock Heavy Duty FS - 18"	16.5 mm	3mm	6	Top Hung	1400	1500	100 Kg	25° / 30° ± 2°
McCoy Rock Heavy Duty FS - 20"	16.5 mm	3mm	6	Top Hung	1400	1600	108 Kg	20° / 25° ± 2°
McCoy Rock Heavy Duty FS - 22"	16.5 mm	3mm	6	Top Hung	1400	1800	110 Kg	20° / 25° ± 2°
McCoy Rock Heavy Duty FS - 24"	16.5 mm	3mm	6	Top Hung	1400	1800	120 Kg	15° / 20° ± 2°
McCoy Rock Heavy Duty FS - 26"	16.5 mm	3mm	6	Top Hung	1400	2000	125 Kg	15° / 20° ± 2°
McCoy Rock Heavy Duty FS - 28"	16.5 mm	3mm	6	Top Hung	1400	2000	130 Kg	15° / 20° ± 2°

\* Shows the recommended range of opening angles.

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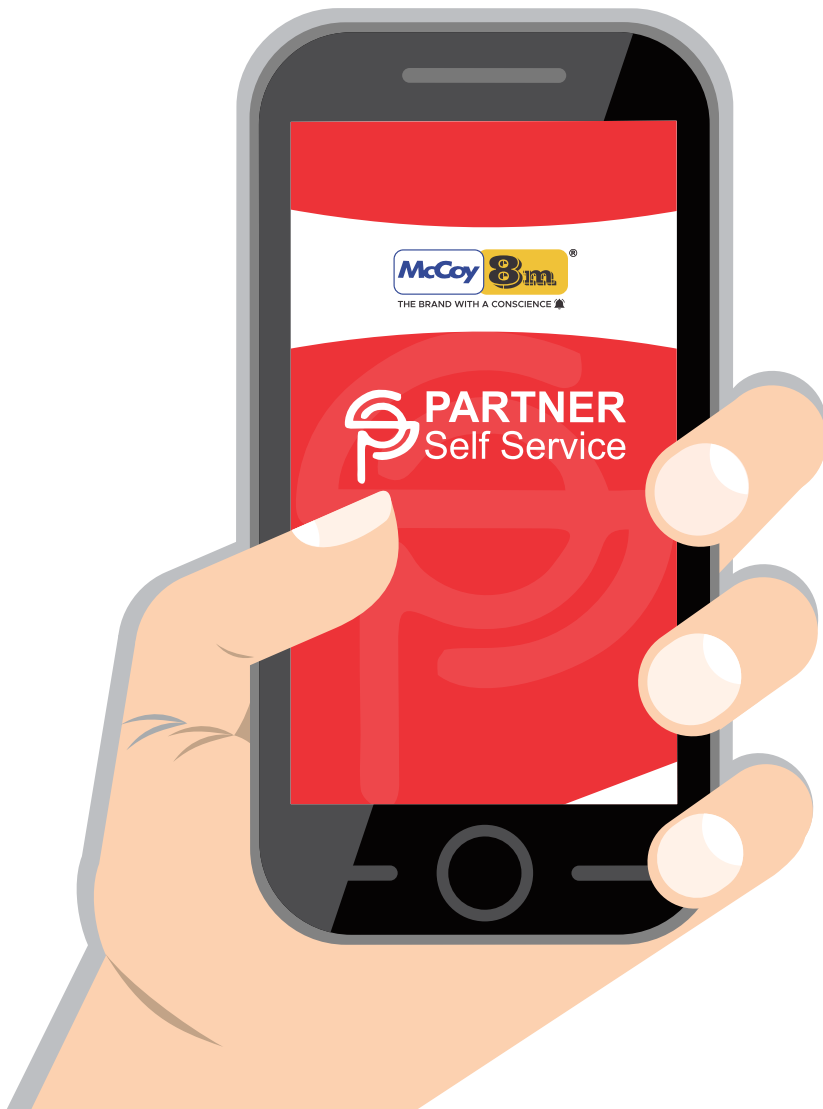
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