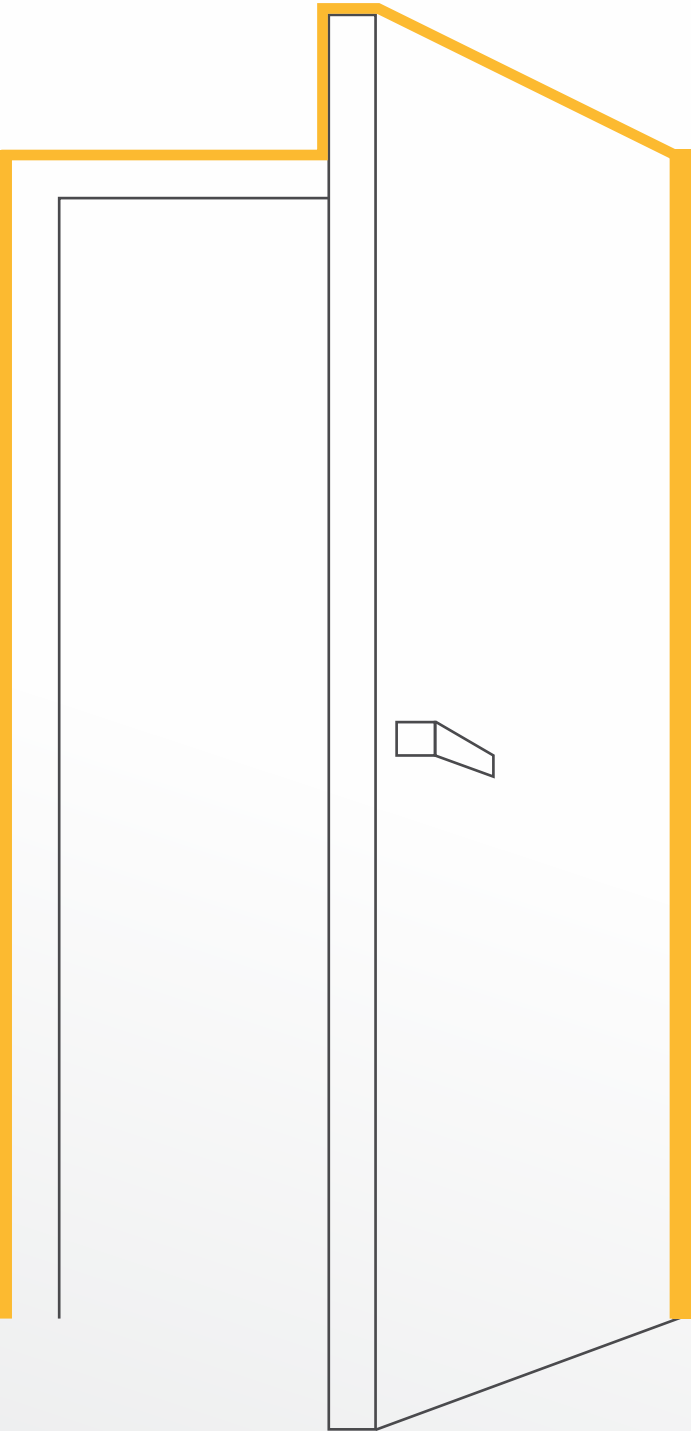




Hardware & Accessories for
**uPVC & Aluminium Doors,
Windows & Curtain Walls**

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McCoy Power Series Friction Stay

Heavy Duty Friction Stay, SS304 Grade

McCoy Power Series

Heavy Duty Friction Stay (SS304 Grade)

Highlights:

- Heavy Duty 4 Bar Friction Hinges made from Austenitic SS 304 Steel suitable for Aluminium and PVC – U applications.
- 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.
- 16.5 mm. Stack Height.
- Base Channel Width 22.5 mm.
- Specially designed for Side Hung Vents for Aluminium as well as PVC-U Windows.
- Self Balancing with excellent weather sealing capabilities.
- Pressure adjustment screw for catering to different sash weights.
- Asymmetrical Arrow Head End Point and End Cap ensures better closure and resistance to Wind Pressure.
- Capable of withstanding positive as well as negative wind loads in closed condition.
- Easy to clean outside glass surface as the sash shifts sufficiently away from the jamb.
- Suitable options available for Side Hung Vent sizes upto 900 mm x 1500 mm. and Vent weights up to 50 kg.
- 24 x 7 Technical Support.
- Grade V Corrosion Resistance- 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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Certification



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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 and Self Cleaning of debris.	Longer Service Life and 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.
	Vent openable up to 87°	Better ventilation and easy to clean outer glass surface.	Keeps room fresh and ventilated and makes cleaning easier. Also possibility of Emergency egress.

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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 Power Heavy Duty FS - 10"	16.5 mm	2.5 mm	4	Side Hung	1500	600	38 Kg	82° ± 2°
McCoy Power Heavy Duty FS - 12"	16.5 mm	2.5 mm	4	Side Hung	1500	650	40 Kg	86° ± 2°
McCoy Power Heavy Duty FS - 14"	16.5 mm	2.5 mm	4	Side Hung	1500	700	42 Kg	88° ± 2°
McCoy Power Heavy Duty FS - 16"	16.5 mm	2.5 mm	4	Side Hung	1500	900	50 Kg	88° ± 2°

* Shows the recommended range of opening angles.

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