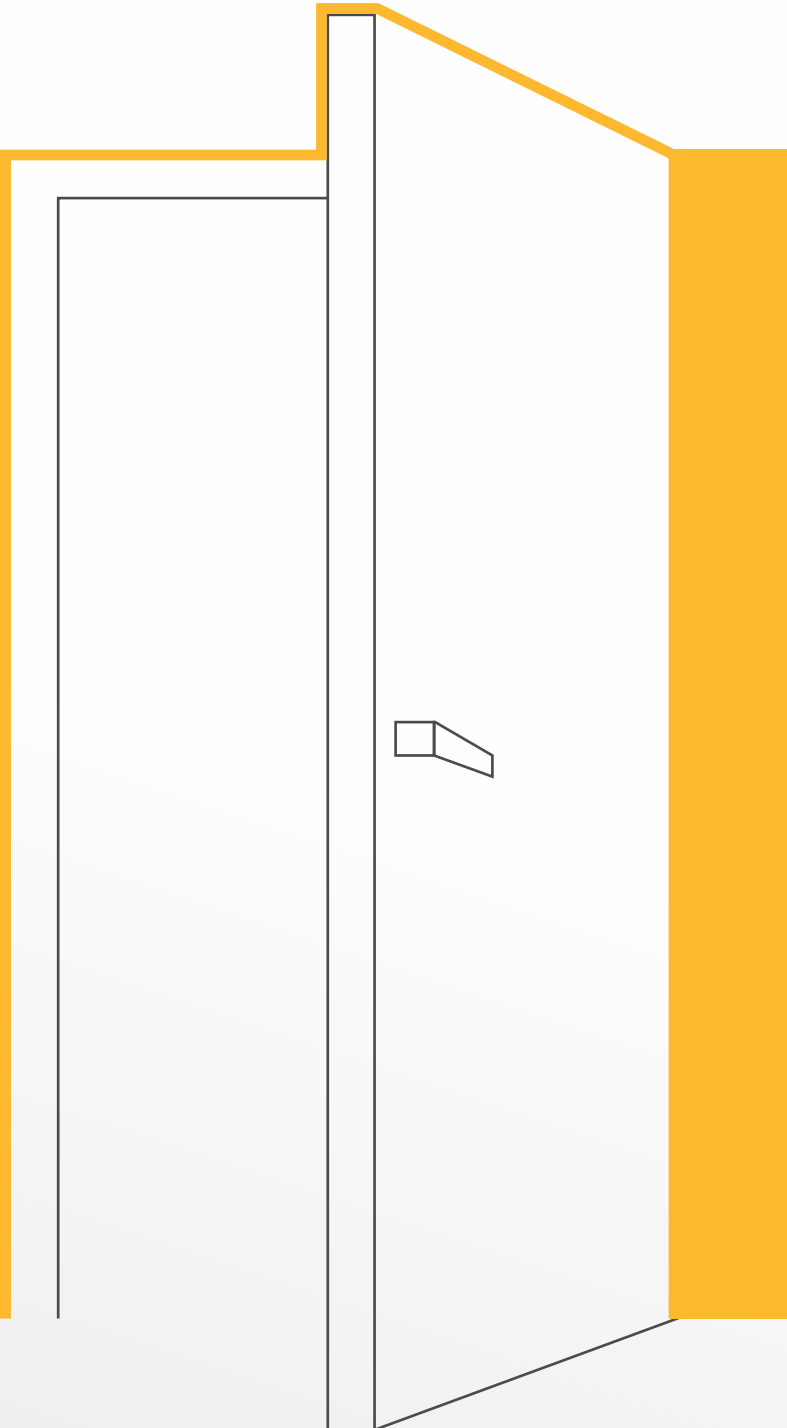


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# **McCoy Egress Series Friction Stay**

Heavy Duty Friction Stay, SS304 Grade

# McCoy Egress Series

Heavy Duty Friction Stay (SS304 Grade)

## Highlights:

- Heavy duty 4 bar friction hinges made from austenitic SS304 steel suitable for aluminium and PVC-U applications.
- Specially designed for side hung vents for aluminium as well as PVC-U windows.
- SS304 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,
- SS304 is well serviceable in corrosive environments.
- Available lengths 12" (load capacity 35 kg.), 14" (load capacity 38 kg.) And 16" (load capacity 40 kg.).
- 16.5 mm stack height.
- Base channel width 22.5 mm.
- In normal position, opening for Egress is 88°.
- Sash can be shifted forward by unlocking the catch for easy clean option. The friction hinge re-sets to egress mode on closure.
- 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 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 up to 600 mm x 1300 mm.
- 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).



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 88° in Egress position.	Better ventilation and easy for person to jump outside in case of any Emergency, like out break of Fire.	Keeps room fresh and ventilated and also possibility of Emergency egress. Friction Hinge re-sets to Egress automatically, so safety is not compromised.
	Vent shifts ahead giving space for sticking out hand for Easy Cleaning of the outside Glass surface.	Easier to clean and maintain.	Cleaning becomes easier, and also re-sets to Egress mode on closure, so safety is not compromised.

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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 Egress FS - 12"	16.5 mm	2 mm	4	Side Hung	1200	600	35 Kg	88°
McCoy Egress FS - 14"	16.5 mm	2 mm	4	Side Hung	1300	600	38 Kg	88°
McCoy Egress FS - 16"	16.5 mm	2 mm	4	Side Hung	1300	650	40 Kg	88°

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