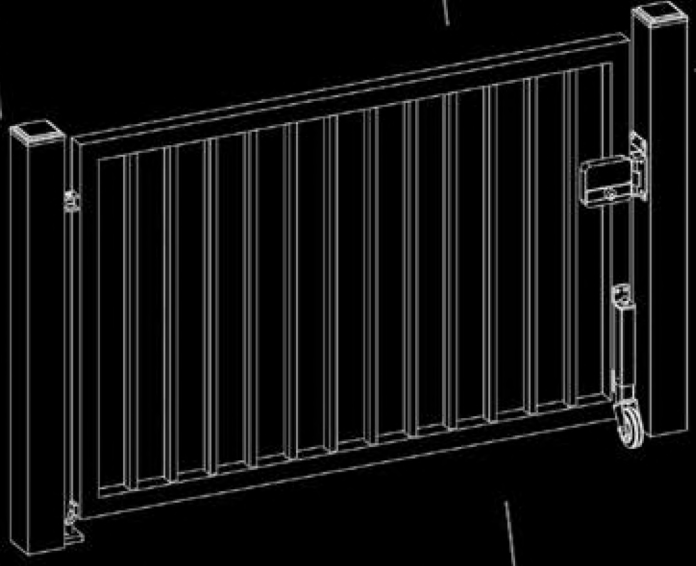
KIWI Architectural Hardware

SUPPORT WHEEL FOR SWINGING GATE



In accordance with our policy of continued development and improvement we reserve the right to make changes in design & specifications without notice

KIWI Architectural Hardware

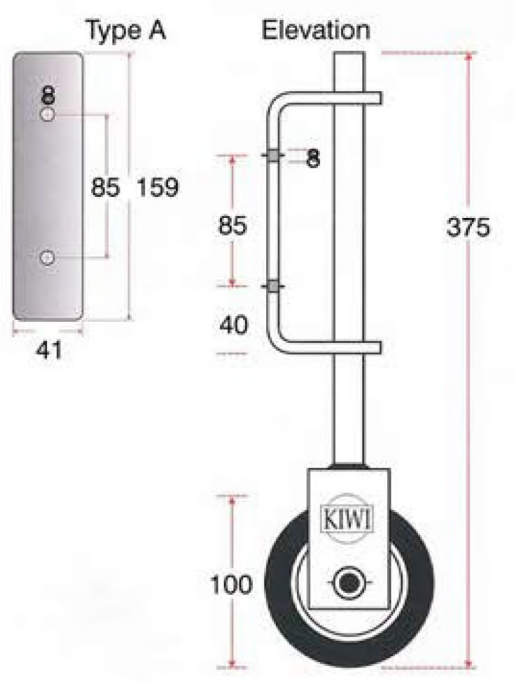


Wheel designed for bearing and discharging the forces acting on the hinges in a swinging gate to support and provide smooth operation and moverment. Damped support allows adjustment of height on the free end of the gate, allowing locks to be fitted, by varying the thrust. The wheel is made up of synthetic elastic rubber with sealed ‘greased for life’ ball journal axle bearings and hot galvanized damped support.

Support wheels are not designed to carry the entire weight of the gate, but to provide support at the ends of the gates to relieve the strain and wear on hinges and supports from the day-to-day use of the gates and also to provide smoother movement.

Suitable for use in industrial, agricultural, security and heavy domestic gates and doors, the suitable spring loaded design provides automatic height adjustment over uneven or sloping surfaces.

KW-73400





Code	Wheel Diameter	Wheel Type	Thread Width	Overall Height	Bearing Type	Wheel Material
KW-73400	100 mm	Fixed	40 mm	375 mm	Sealed Ball Journal (x2)	Black Elastic Rubber/ Cast Iron
The spring has a maximum compression of 3” / 75 mm and will provide upto 70 kg of force						

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KW-7750.100 / KW-7750.125

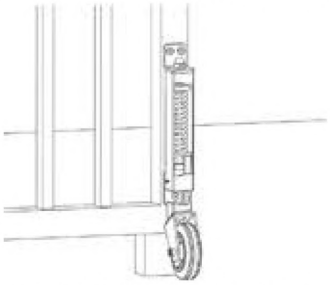
Code	D [mm]	H [mm]	B [mm]	A [mm]	C_{est} *1 [mm]	C_{com} *1 [mm]	L [mm]	F [mm]	d_1 [mm]	Adj.*2 [kg/turn]	C_{min} *3 [mm]	Pitch [mm]	P [kg]
KW-7750.100	100	35	43	387	25	15	106	242	7	3.16	5	1.50	30/80
KW-7750.125	125	50	66	529	47	20	131	332	9	7.87	7	1.75	90/250

Assembly Sequence

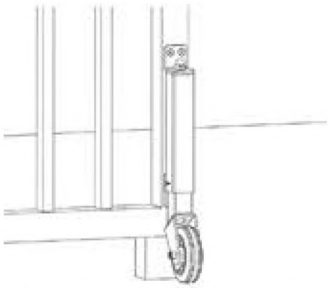
Requirements: to fit the damped wheel correcty you must check that:

- the part of the gate it is fixed on is strong enough to support the thrust of the wheel
- the ground the wheel will run on, is flat enough not to take up the wheel's stroke

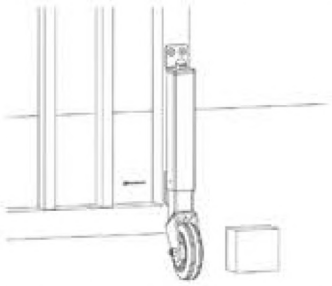
If the requirements have been met, proceed as follows:



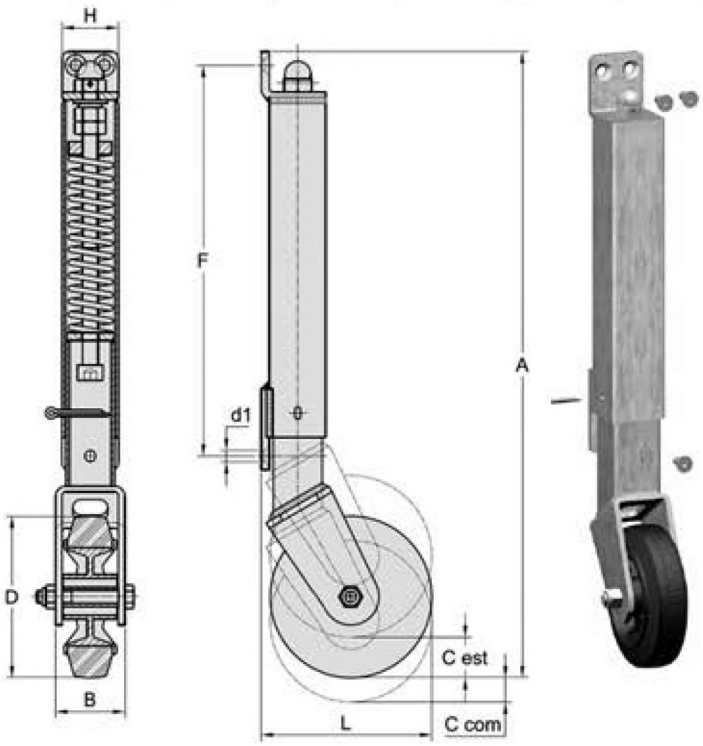
1) Prop the gate wing to bring it to the ideal position, place the wheel against it, and mark the position of the top fixing fin on the gate.

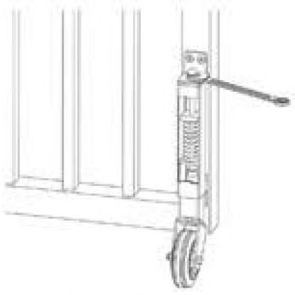


2) Drill and tap for the fixing screws and fix the article to the wing. You can also make a few spot-welds for greater security (recommended with heavy loads).

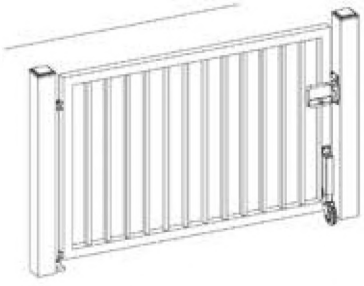


3) The safety pin or locking screw and the prop from under the wing so as to make the spring act.





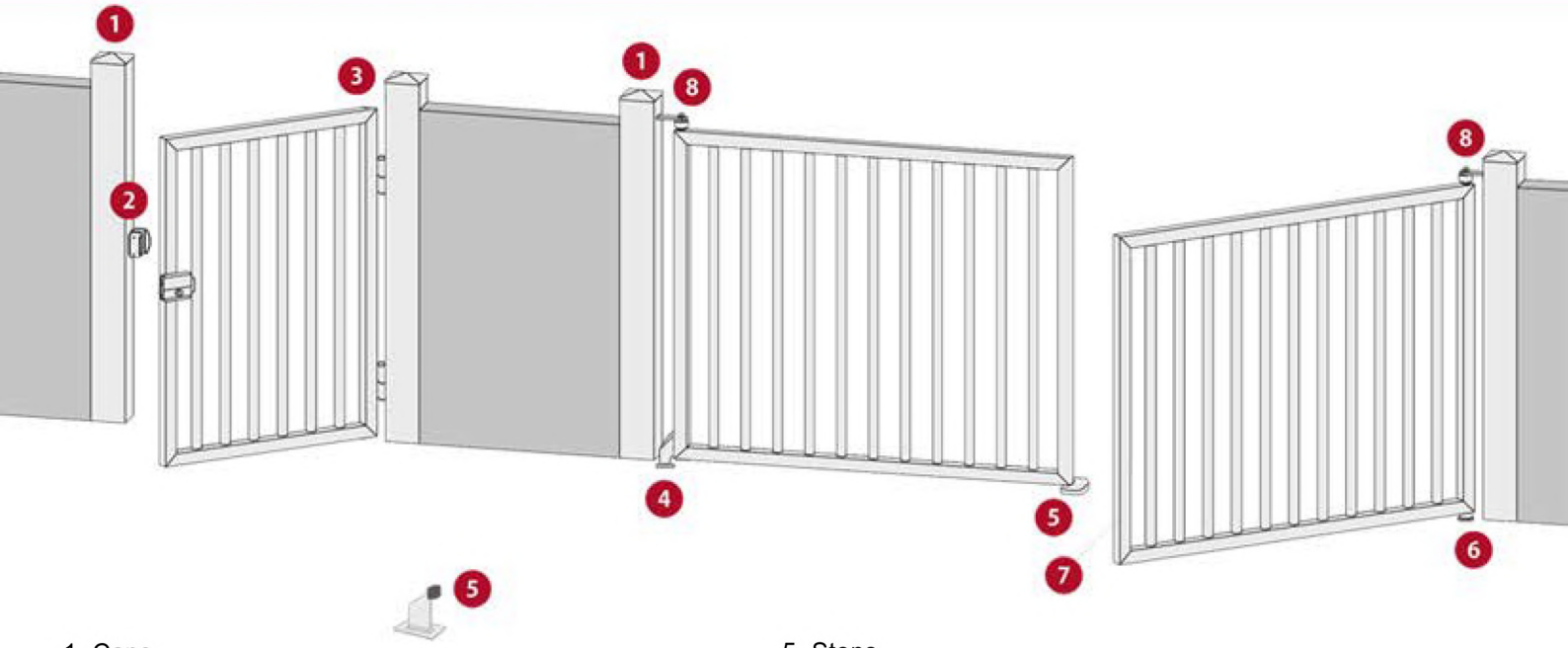
4) Adjust the thrust using a spanner (turn anticlockwise to increase and clockwise to decrease) until the gate is in the ideal position.



5) If you have to mate the two parts of a lock you can turn the adjustment screw until they correspond perfectly.

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SWINGING GATE MECHANISM



1. Caps



Art. 5395 Art. 5398 Art. 5399

2. Locks & Handles



Art. 5435/T Art. 5536 Art. 5435 Art. 5483 Art. 5482 Art. 52500

3. Hinges



Art. 5403/A Art. 5405/A Art. 5402 Art. 5401 Art. 5414

4. Bottom Hinges



Art. 5423/A Art. 5425/A

5. Stops



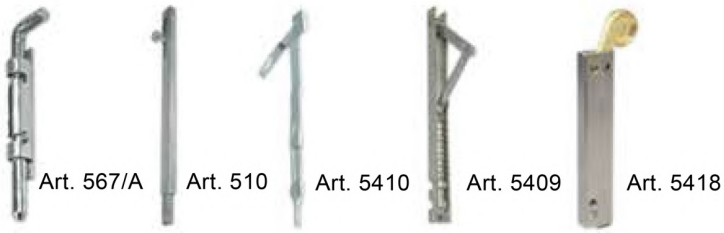
Art. 5470/V Art. 5470 Art. 5498 Art. 5476

6. Bottom Hinges



Art. 5839/R

7. Bolts



Art. 567/A Art. 510 Art. 5410 Art. 5409 Art. 5418

8. Top Hinges



Art. 5838/R Art. 5425/P Art. 5423 Art. 5425/R Art. 5428

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