

Pallet Stops:

Dampened, Non-Dampened and Miscellaneous

Pallet Stops:

Glide-line™ offers a wide variety of pallet stops to suit the traffic handling demands of your application. They are broken into 3 general categories:

- Dampened Pallet Stops
- Non-Dampened Pallet Stops
- Anti-Rebound Pallet Stops

Dampened Stops offer a pneumatic cushioning force to the work piece that slows the impact of the pallet against the stop. The cushioning force can be adjusted to suit specific application needs. Larger stops and higher cushioning forces are available upon request.

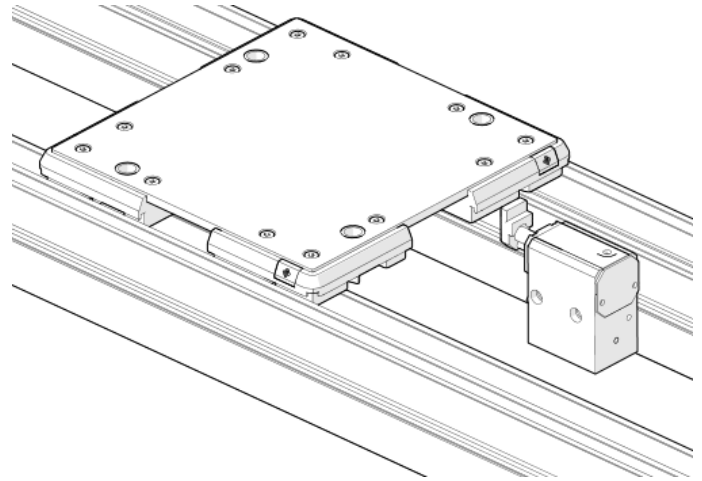
Stops are also available with detectable up/down positions upon request. By default, stops do not include magnetic-detectable pistons.

All stops utilize M5 Pneumatic connections. Single acting stops only require one port, while double acting variants (non-standard, but available) will utilize two ports.

Glide-Line™ also offers a range of electrically operated versions of the Dampened stops. These are currently not stocked, but available upon request.

Anti-Rebound pallet stops can be utilized as a unidirectional stop gate to prevent pallets from moving if the conveyor belt reverses direction in the application. Our base offering is mechanically operated, but pneumatic powered versions are available on request.

For dampening stops utilized in conjunction with the Glide-Line™ Lift and Transfer Unit (LTU), please reference the LTU Application Guide.

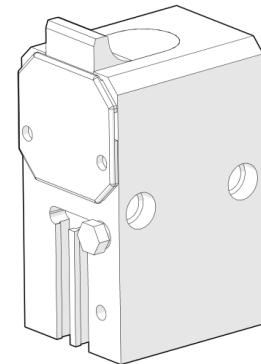


Technical Specifications

Lowering Stroke:	9mm
Cylinder bore:	23mm
Working Pressure:	60-120 PSI
Pneumatic Port Size:	M5

Non-Dampened Pallet Stops

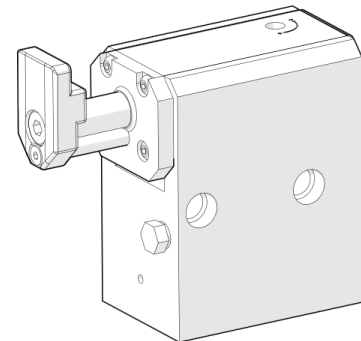
Glide-Line offers Non-Dampened stops for applications that do not have fragile or heavy loads, or are not at high speeds. The base unit includes mounting hardware to attach to 10mm T-Slots on the conveyor. Options are available for Inductive detection. Standard non-dampened pallet stops include mounting holes for pallet detection sensor brackets for economical sensor placement.



			Operating Range, Velocity								
			M/Min	6	9	12	18	24	30	36	50
Glide-Line™ Pneumatic Standard Stops			Ft/Min	20	30	39	59	79	98	118	164
Part No.	Description	Stock Type	Allowable Weight at Different Velocities in KG (LBS)								
P-00134	400KG Non-Dampened	Quick Ship	400 (880)	300 (660)	250 (550)	200 (440)	110 (242)	65 (143)	50 (110)	30 (66)	
P-00436	600KG Non-Dampened	Available	500 (1100)	360 (792)	300 (660)	240 (528)	130 (286)	80 (176)	60 (132)	35 (77)	

Dampened Pallet Stops

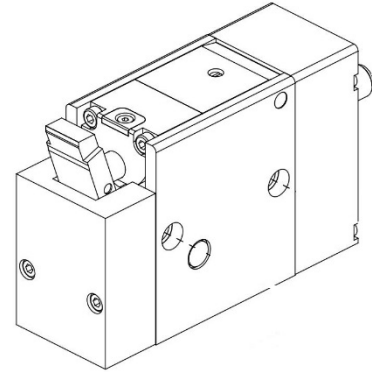
Glide-Line offers Dampened stops for applications that have fragile or heavy loads. Dampened force is adjustable on the top of the stop body. Options are available for sensor-detectable lift piston.



			Operating Range, Velocity								
			M/Min	6	9	12	18	24	30	36	50
Glide-Line™ Pneumatic Dampening Stops			Ft/Min	20	30	39	59	79	98	118	164
Part No.	Description	Stock Type	Allowable Weight at Different Velocities in KG (LBS)								
P-00133	60KG Dampening	Quick Ship	60 (132)	40 (88)	35 (77)	30 (66)	24 (52.8)	18 (39.6)	10 (22)	5 (11)	
P-00431	60KG Dampening -High Speed	Available	70 (154)	45 (99)	40 (88)	35 (77)	28 (61.6)	21 (46.2)	11 (24.2)	6 (13.2)	
P-00275	100KG Dampening-High Speed	Quick Ship	140 (308)	100 (220)	85 (187)	70 (154)	55 (121)	42 (92.4)	25 (55)	13 (28.6)	
P-00433	160KG Dampening-High Speed	Available	220 (484)	150 (330)	135 (297)	125 (275)	80 (176)	55 (121)	25 (55)	13 (28.6)	
P-00434	250KG Dampening	Available	250 (550)	200 (440)	150 (330)	100 (220)	55 (121)	35 (77)	25 (55)	15 (33)	
P-00435	260KG Dampening-High Speed	Available	360 (792)	335 (737)	300 (660)	275 (605)	170 (374)	100 (220)	75 (165)	45 (99)	

Electrically Dampened Pallet Stops

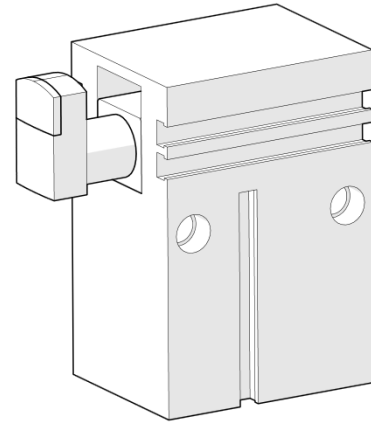
Glide-Line offers Electrically operated Dampened stops for applications that have fragile or heavy loads, and also require a non-pneumatic solution.



			Operating Range, Velocity								
			M/Min	6	9	12	18	24	30	36	50
Glide-Line™ Electric Dampening Stops			Ft/Min	20	30	39	59	79	98	118	164
Part No.	Description	Stock Type	Allowable Weight at Different Velocities in KG (LBS)								
P-00429	20KG Electric Dampening	Available	20 (44)	10 (22)	7 (15.4)	3.5 (7.7)	2.5 (5.5)	2 (4.4)	1 (2.2)	(0)	
P-00430	50KG Electric Dampening	Available	50 (110)	35 (77)	30 (66)	18 (39.6)	12 (26.4)	8 (17.6)	5 (11)	(0)	
P-00432	100KG Electric Dampening	Available	100 (220)	65 (143)	55 (121)	45 (99)	35 (77)	20 (44)	10 (22)	3 (6.6)	

Hydraulic Dampened Pallet Stops

Glide-Line offers Hydraulic Dampened stops for applications that have fragile or heavy loads, and require additional dampening force. Hydraulic dampening is more stable at a wider variety of ambient temperatures and conditions than pneumatic dampening. Hydraulic Dampening also offers more consistent and repeatable dampening forces at higher speeds.



			Operating Range, Velocity								
			M/Min	6	9	12	18	24	30	36	50
Glide-Line™ Hydraulic Dampening Stops			Ft/Min	20	30	39	59	79	98	118	164
Part No.	Description	Stock Type	Allowable Weight at Different Velocities in KG (LBS)								
P-00355	250 KG Hydraulic Cushion	Available	250 (550)	250 (550)	250 (550)	250 (550)	150 (330)	100 (220)	60 (132)	30 (66)	

Anti-Rebound Stops

Glide-Line offers Anti-rebound stops for applications where there is the potential for “bounce back” of the pallet against a hard stop. The base model is mechanically operated and unidirectional. Pallets are conveyed over the stop depressing the wedge block, and once passed, the wedge spring returns to stop position. Double acting pneumatic versions of the Anti-rebound stop are available upon request. Pallet must be greater than 3lbs to operate.

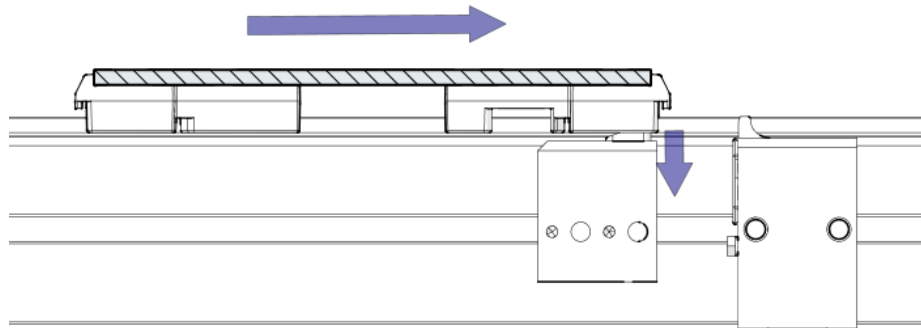
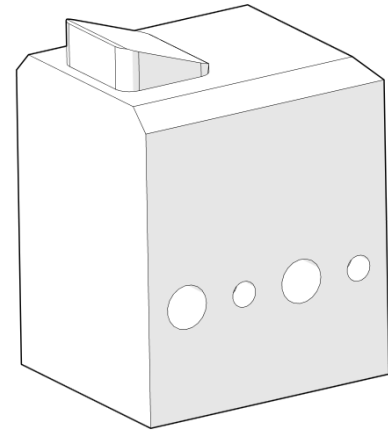


Figure 1: Pallet bumper conveys over anti-rebound stop, depressing the stop plate

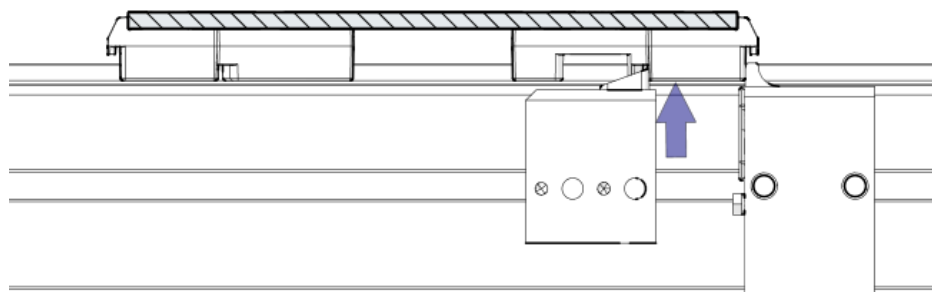
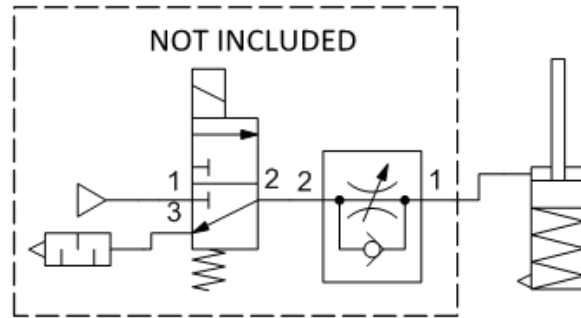


Figure 2: As the pallet bumper continues past the anti-rebound stop, a spring pushes angle plate up, wedging the pallet between pallet stop and anti-rebound stop plate.

Recommended Pneumatic Schematic (All Stops):

*Fittings and Valves not included

Single Acting (Standard Configuration)



Double Acting (Available Upon Request)

