

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.

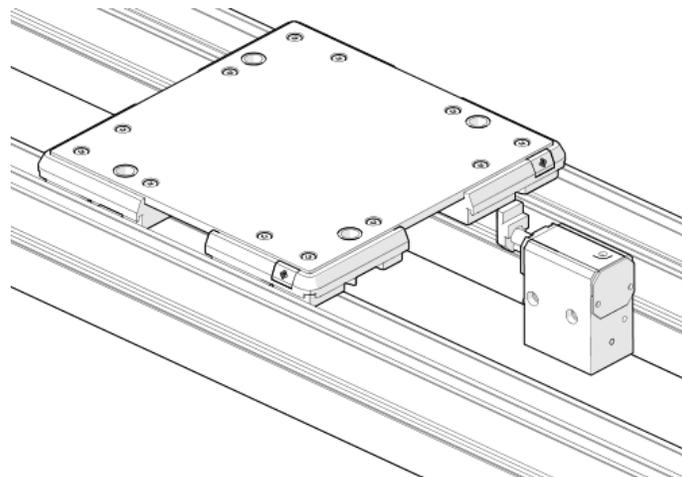
Stops are also available with detectable up/down positions upon request. By default, stops do not include magnetic-detectable pistons.

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.

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

Stop Position Sensor Info:



P-00737 Electronic Sensor

Operating voltage: 10 ... 30 VDC (nominal operating voltage 24V DC)
 Connector M8x1-S49, PNP, normally open (NO), cable length 200mm
 Base version: plastic



P-00738 Sensor Cable Connector

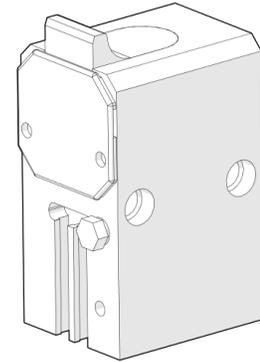
Plug connector, straight, 3-pole
 Socket M8x1, cable length 5m
 Switching function: Normally open (NO)

Sensors compatible with stops that allow e-sensing ONLY (shown in tables below):

- P-00698, P-00914, P-00697, P-00768

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.

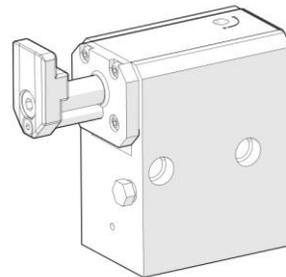


		Operating Range, Velocity								
		M/min	6	9	12	15	18	24	30	36
Glide-Line Standard Pneumatic Non-Dampened Stops (Timing Belt) (mu = 0.2)		Ft/min	20	30	39	49	59	79	98	118
Part #	Description	Stock Type	Allowable Weight at Different Velocities in KG (LBS)							
P-00134	400KG STOP, WITHOUT DAMPING, SINGLE ACTING	Available	156 (344)	156 (344)	156 (344)	156 (344)	156 (344)	109 (240)	64 (141)	49 (108)
P-00698	400KG STOP, WITHOUT DAMPING, SINGLE ACTING, ELECTRONIC SENSING CAPABLE	Available	156 (344)	156 (344)	156 (344)	156 (344)	156 (344)	109 (240)	64 (141)	49 (108)
P-00905	400KG STOP, WITHOUT DAMPING, DOUBLE ACTING	Available	208 (458)	208 (458)	208 (458)	208 (458)	197 (434)	109 (240)	64 (141)	49 (108)
P-00914	400KG STOP, WITHOUT DAMPING, DOUBLE ACTING, ELECTRONIC SENSING CAPABLE	Available	208 (458)	208 (458)	208 (458)	208 (458)	197 (434)	109 (240)	64 (141)	49 (108)

		Operating Range, Velocity								
		M/min	6	9	12	15	18	24	30	36
Glide-Line Standard Pneumatic Non-Dampened Stops (Roller Chain) (mu = 0.035)		Ft/min	20	30	39	49	59	79	98	118
Part #	Description	Stock Type	Allowable Weight at Different Velocities in KG (LBS)							
P-00134	400KG STOP, WITHOUT DAMPING, SINGLE ACTING	Available	413 (910)	304 (670)	252 (556)	221 (487)	204 (450)	110 (242)	65 (143)	50 (110)
P-00698	400KG STOP, WITHOUT DAMPING, SINGLE ACTING, ELECTRONIC SENSING CAPABLE	Available	413 (910)	304 (670)	252 (556)	221 (487)	204 (450)	110 (242)	65 (143)	50 (110)
P-00905	400KG STOP, WITHOUT DAMPING, DOUBLE ACTING	Available	413 (910)	304 (670)	252 (556)	221 (487)	204 (450)	110 (242)	65 (143)	50 (110)
P-00914	400KG STOP, WITHOUT DAMPING, DOUBLE ACTING, ELECTRONIC SENSING CAPABLE	Available	413 (910)	304 (670)	252 (556)	221 (487)	204 (450)	110 (242)	65 (143)	50 (110)

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.

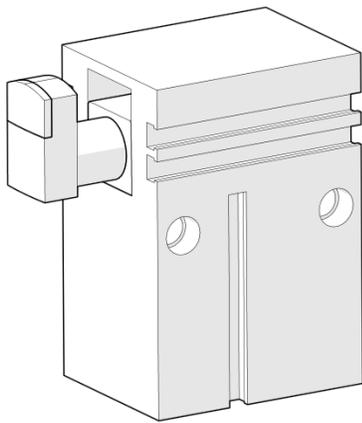
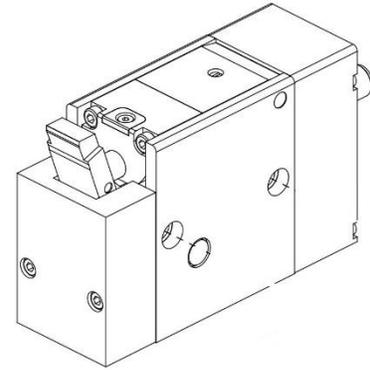


		Operating Range, Velocity								
		M/min	6	9	12	15	18	24	30	36
Glide-Line Standard Pneumatic Dampened Stops (Timing Belt) (mu = 0.2)		Ft/min	20	30	39	49	59	79	98	118
Part #	Description	Stock Type	Allowable Weight at Different Velocities in KG (LBS)							
P-00133	60KG STOP, WITH DAMPING, SINGLE ACTING	Available	25 (55)	20 (44)	20 (44)	20 (44)	21 (46)	19 (41)	15 (33)	8.5 (18)
P-00697	60KG STOP, WITH DAMPING, SINGLE ACTING, ELECTRONIC SENSING CAPABLE	Available	25 (55)	20 (44)	20 (44)	20 (44)	21 (46)	19 (41)	15 (33)	8.5 (18)
P-00768	60KG STOP, WITH DAMPING, DOUBLE ACTING ELECTRONIC SENSING CAPABLE	Available	25 (55)	20 (44)	20 (44)	20 (44)	21 (46)	19 (41)	15 (33)	8.5 (18)

		Operating Range, Velocity								
		M/min	6	9	12	15	18	24	30	36
Glide-Line Standard Pneumatic Dampened Stops (Roller Chain) (mu = 0.035)		Ft/min	20	30	39	49	59	79	98	118
Part #	Description	Stock Type	Allowable Weight at Different Velocities in KG (LBS)							
P-00133	60KG STOP, WITH DAMPING, SINGLE ACTING	Available	93 (205)	54 (119)	43 (95)	37 (81)	33 (73)	25 (55)	18.5 (41)	10 (22)
P-00697	60KG STOP, WITH DAMPING, SINGLE ACTING, ELECTRONIC SENSING CAPABLE	Available	93 (205)	54 (119)	43 (95)	37 (81)	33 (73)	25 (55)	18.5 (41)	10 (22)
P-00768	60KG STOP, WITH DAMPING, DOUBLE ACTING ELECTRONIC SENSING CAPABLE	Available	93 (205)	54 (119)	43 (95)	37 (81)	33 (73)	25 (55)	18.5 (41)	10 (22)

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.

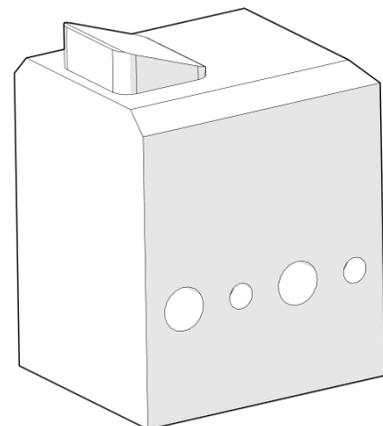


Hydraulic Dampened Pallet Stops

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.

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.



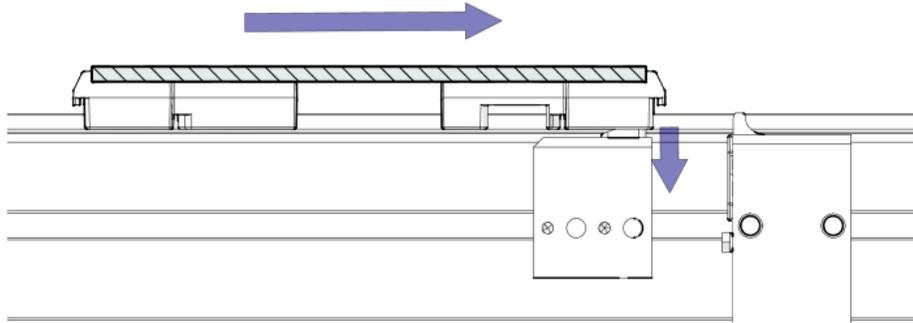


Figure 1: Pallet bumper conveys over anti-rebound stop, depressing the stop plate

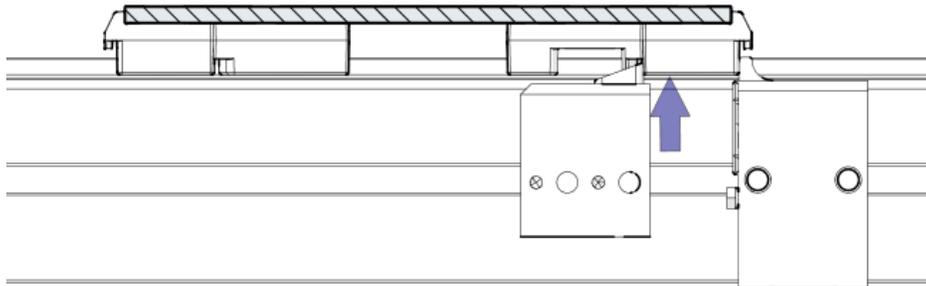
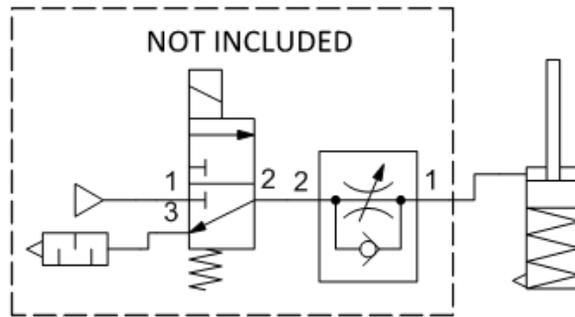


Figure 2: As the pallet bumper continues past the anti-rebound stop, a spring pushes angle plate up, wedging the pallet between pallet stop and anti-rebound stop plate.

Recommended Pneumatic Schematic (All Stops):

*Fittings and Valves not included

Single Acting (Standard Configuration)



Double Acting (Available Upon Request)

