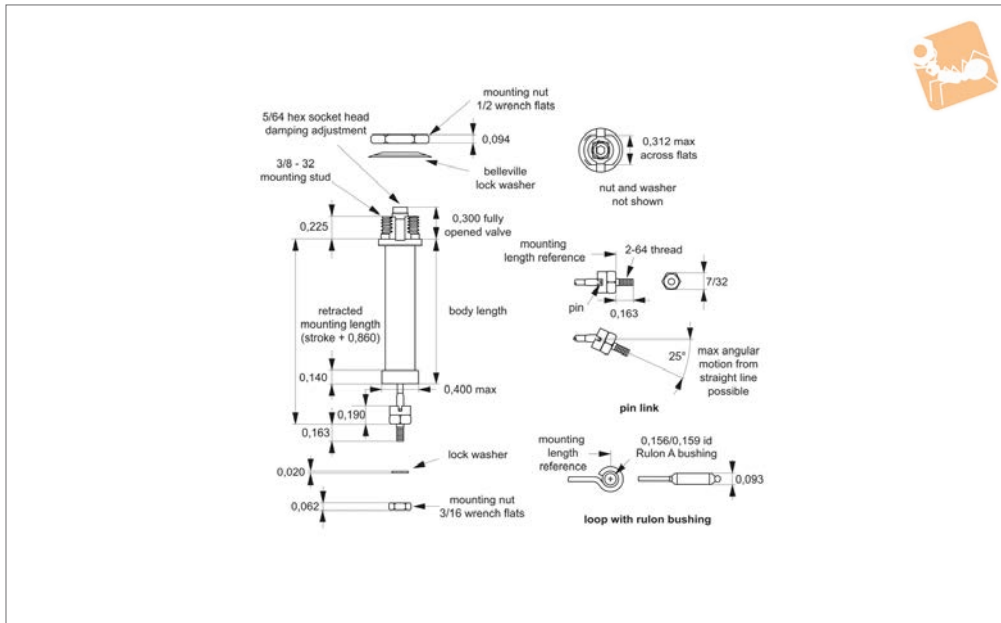




Push/Pull Dashpot

0.22" bore

Cylinders



L4570

CYLINDERS

Material

Graphite carbon piston.
 Annealed borosilicate glass cylinder.
 Precision fire-polished bore.
 Stainless steel piston rod (AISI 304)

Technical Notes

Damping coefficient = 0-0,16 N/(mm/s).
 Friction coefficient = 0.2.
 Force without side load: <1g.
 Operating temperature range: -55°C to 150°C.

*If operating temperature is above +70°C, please advise at time of ordering.

Important Notes

Mounting data:
 Mounting hole:
 Rectangular = 0.312 x 0.375 (8mm x 10mm)
 Round = 0.375" (10mm)
 Suggested mounting bracket thickness = 0.06 - 0.125 (1.52mm - 3.18mm)
 Mounting nut torque:

Head = 4-8 in-lb (0.45 - 0.90 Nm)
 Rod end = 1-3 in-lb (0.11-0.34 Nm)

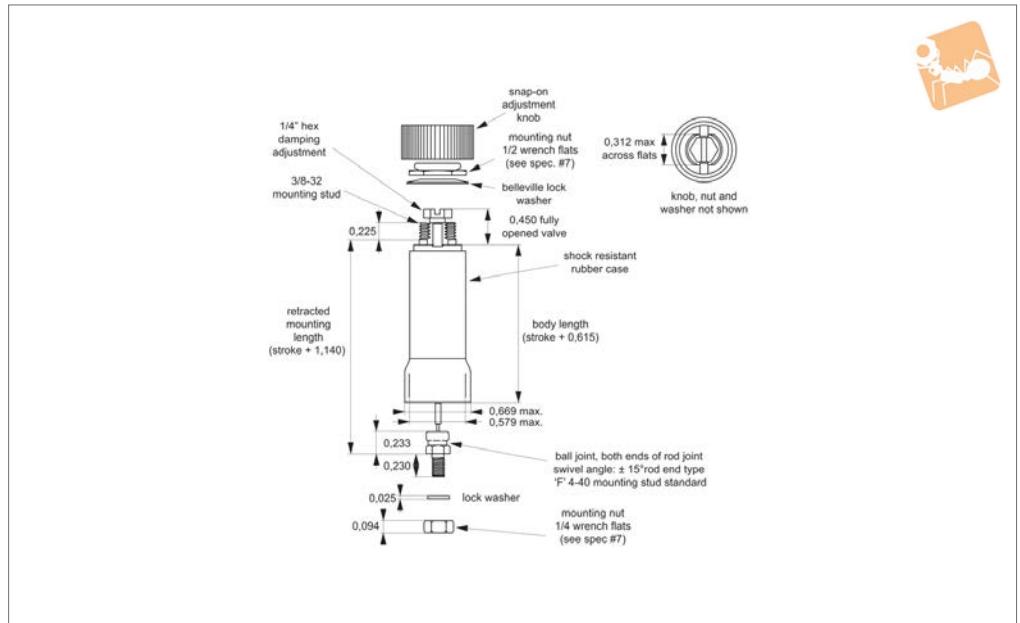
Full stroke is obtained with customer held mounting tolerance of ±0.015" (0.38mm).

Level of damping is adjustable by hand. If you know the level of damping required we can pre-set this in the factory.

Order No.	Stroke	Rod end linkage	Bore dia.	Pull damping force N max.	Push damping force N max.	Body length
L4570.A0500	0,5"	Pin	0,22"	2.22	1.55	0,937"
L4570.A1000	1,0"	Pin	0,22"	2.22	1.55	1,437"
L4570.A1500	1,5"	Pin	0,22"	2.22	1.55	1,937"
L4570.A2000	2,0"	Pin	0,22"	2.22	1.55	2,437"
L4570.B0500	0,5"	Loop	0,22"	2.22	1.55	0,937"
L4570.B1000	1,0"	Loop	0,22"	2.22	1.55	1,437"
L4570.B1500	1,5"	Loop	0,22"	2.22	1.55	1,937"
L4570.B2000	2,0"	Loop	0,22"	2.22	1.55	2,437"



L4572



Material

Graphite carbon piston.
 Annealed borosilicate glass cylinder.
 Precision fire-polished bore.
 Stainless steel piston rod (AISI 304)
 Shock resistant rubber case.

Technical Notes

Damping coefficient = 0-0,44 N/(mm/s).
 Friction coefficient = 0.2.
 Force without side load: <1g.
 Operating temperature range: -55°C to

150°C.

*If operating temperature is above +70°C, please advise at time of ordering.

Important Notes

Mounting data:
 Mounting hole:
 Rectangular = 0.312 x 0.375 (8mm x 10mm)
 Round = 0.375" (10mm)
 Suggested mounting bracket thickness = 0.06 - 0.125 (1.52mm - 3.18mm)

Mounting nut torque:

Head = 4-8 in-lb (0.45 - 0.90 Nm)
 Rod end = 2-5 in-lb (0.23-0.56 Nm)

Full stroke is obtained with customer held mounting tolerance of ±0.015" (0.38mm).

Level of damping is adjustable by hand. If you know the level of damping required we can pre-set this in the factory.

Order No.	Stroke	Damping direction	Rod end linkage	Bore dia.	Pull damping force N max.	Push damping force N max.	Body length
L4572.A0500-TW	0,5"	Two-way	1/8" Ball	0,366"	6.23	4.45	1,115"
L4572.A1000-TW	1,0"	Two-way	1/8" Ball	0,366"	6.23	4.45	1,615"
L4572.A1500-TW	1,5"	Two-way	1/8" Ball	0,366"	6.23	4.45	2,115"
L4572.A2000-TW	2,0"	Two-way	1/8" Ball	0,366"	6.23	4.45	2,615"
L4572.B0500-TW	0,5"	Two-way	Loop	0,366"	6.23	4.45	1,115"
L4572.B1000-TW	1,0"	Two-way	Loop	0,366"	6.23	4.45	1,615"
L4572.B1500-TW	1,5"	Two-way	Loop	0,366"	6.23	4.45	2,115"
L4572.B2000-TW	2,0"	Two-way	Loop	0,366"	6.23	4.45	2,615"
L4572.A0500-PL	0,5"	Pull	1/8" Ball	0,366"	6.23	4.45	1,115"
L4572.A1000-PL	1,0"	Pull	1/8" Ball	0,366"	6.23	4.45	1,615"
L4572.A1500-PL	1,5"	Pull	1/8" Ball	0,366"	6.23	4.45	2,115"
L4572.A2000-PL	2,0"	Pull	1/8" Ball	0,366"	6.23	4.45	2,615"
L4572.B0500-PL	0,5"	Pull	Loop	0,366"	6.23	4.45	1,115"
L4572.B1000-PL	1,0"	Pull	Loop	0,366"	6.23	4.45	1,615"
L4572.B1500-PL	1,5"	Pull	Loop	0,366"	6.23	4.45	2,115"
L4572.B2000-PL	2,0"	Pull	Loop	0,366"	6.23	4.45	2,615"
L4572.A0500-PS	0,5"	Push	1/8" Ball	0,366"	6.23	4.45	1,115"
L4572.A1000-PS	1,0"	Push	1/8" Ball	0,366"	6.23	4.45	1,615"
L4572.A1500-PS	1,5"	Push	1/8" Ball	0,366"	6.23	4.45	2,115"
L4572.A2000-PS	2,0"	Push	1/8" Ball	0,366"	6.23	4.45	2,615"
L4572.B0500-PS	0,5"	Push	Loop	0,366"	6.23	4.45	1,115"
L4572.B1000-PS	1,0"	Push	Loop	0,366"	6.23	4.45	1,615"
L4572.B1500-PS	1,5"	Push	Loop	0,366"	6.23	4.45	2,115"
L4572.B2000-PS	2,0"	Push	Loop	0,366"	6.23	4.45	2,615"



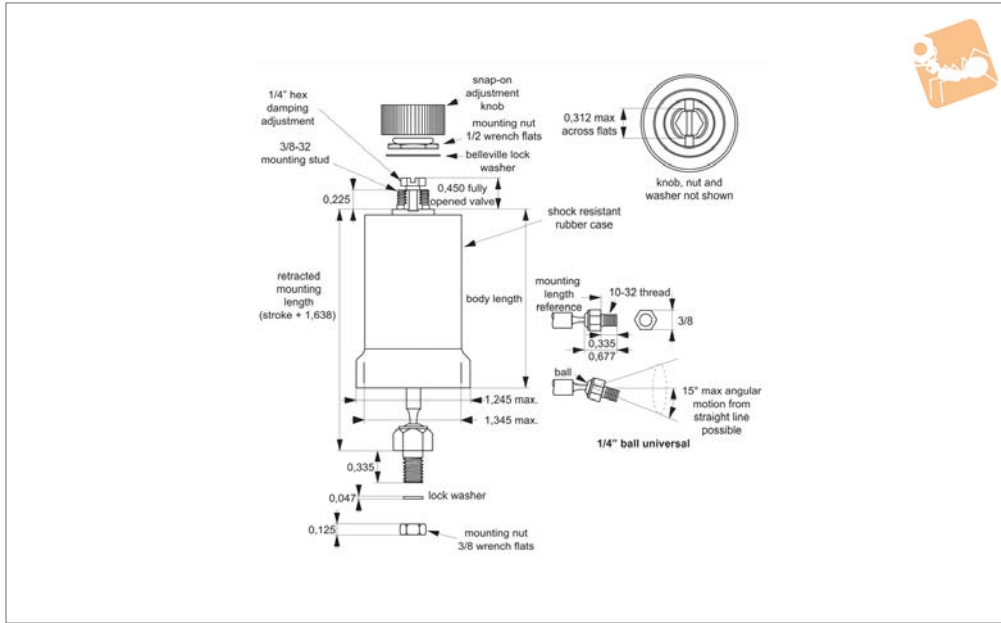
Order No.	Stroke	Damping direction	Rod end linkage	Bore dia.	Piston rod	Pull damping force	Push damping force	Body length
						N max.	N max.	
L4574.B2000-PL	2,0"	Pull	Loop	0,627"	Stainless	18	13	2,755"
L4574.B3000-PL	3,0"	Pull	Loop	0,627"	Stainless	18	13	3,755"
L4574.A0500-PS	0,5"	Push	1/8" Ball	0,627"	Stainless	18	13	1,255"
L4574.A1000-PS	1,0"	Push	1/8" Ball	0,627"	Stainless	18	13	1,755"
L4574.A1500-PS	1,5"	Push	1/8" Ball	0,627"	Stainless	18	13	2,255"
L4574.A2000-PS	2,0"	Push	1/8" Ball	0,627"	Stainless	18	13	2,755"
L4574.A3000-PS	3,0"	Push	1/8" Ball	0,627"	Stainless	18	13	3,755"
L4574.E0500-PS	0,5"	Push	1/4" Ball	0,627"	Aluminium	18	13	1,281"
L4574.E1000-PS	1,0"	Push	1/4" Ball	0,627"	Aluminium	18	13	1,781"
L4574.E1500-PS	1,5"	Push	1/4" Ball	0,627"	Aluminium	18	13	2,281"
L4574.E2000-PS	2,0"	Push	1/4" Ball	0,627"	Aluminium	18	13	2,781"
L4574.E3000-PS	3,0"	Push	1/4" Ball	0,627"	Aluminium	18	13	3,781"
L4574.B0500-PS	0,5"	Push	Loop	0,627"	Stainless	18	13	1,255"
L4574.B1000-PS	1,0"	Push	Loop	0,627"	Stainless	18	13	1,755"
L4574.B1500-PS	1,5"	Push	Loop	0,627"	Stainless	18	13	2,255"
L4574.B2000-PS	2,0"	Push	Loop	0,627"	Stainless	18	13	2,755"
L4574.B3000-PS	3,0"	Push	Loop	0,627"	Stainless	18	13	3,755"
L4574.E0500-TW	0,5"	Two-way	1/4" Ball	0,627"	Aluminium	18	13	1,300"
L4574.E1000-TW	1,0"	Two-way	1/4" Ball	0,627"	Aluminium	18	13	1,800"
L4574.E1500-TW	1,5"	Two-way	1/4" Ball	0,627"	Aluminium	18	13	2,300"
L4574.E2000-TW	2,0"	Two-way	1/4" Ball	0,627"	Aluminium	18	13	2,800"
L4574.E3000-TW	3,0"	Two-way	1/4" Ball	0,627"	Aluminium	18	13	3,800"



Push/Pull Dashpot

0.945" bore

Cylinders



L4576

CYLINDERS

Material

- Graphite carbon piston.
- Annealed borosilicate glass cylinder.
- Precision fire-polished bore.
- Aluminium 2024-T4 Piston rod.

Technical Notes

- Damping coefficient = 0-5,25 N/(mm/s).
- Friction coefficient = 0.2.
- Force without side load: <1g.
- Operating temperature range: -55°C to 150°C.
- *If operating temperature is above +70°C,

please advise at time of ordering.

Important Notes

- Mounting data:
- Mounting hole:
- Rectangular = 0.312 x 0.375 (8mm x 10mm)
- Round = 0.375" (10mm)
- Suggested mounting bracket thickness = 0.06 - 0.093 (1.52mm - 2.36mm)
- Mounting nut torque:
- Head = 4-8 in-lb (0.45 - 0.90 Nm)
- Rod end = 5-15 in-lb (0.56-1.70 Nm)

Full stroke is obtained with customer held mounting tolerance of ±0.015" (0.38mm).

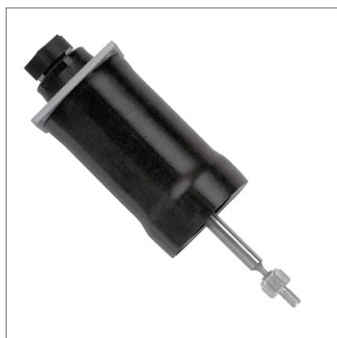
B" ball joint linkage option only available with aluminium rod.

Level of damping is adjustable by hand. If you know the level of damping required we can pre-set this in the factory.

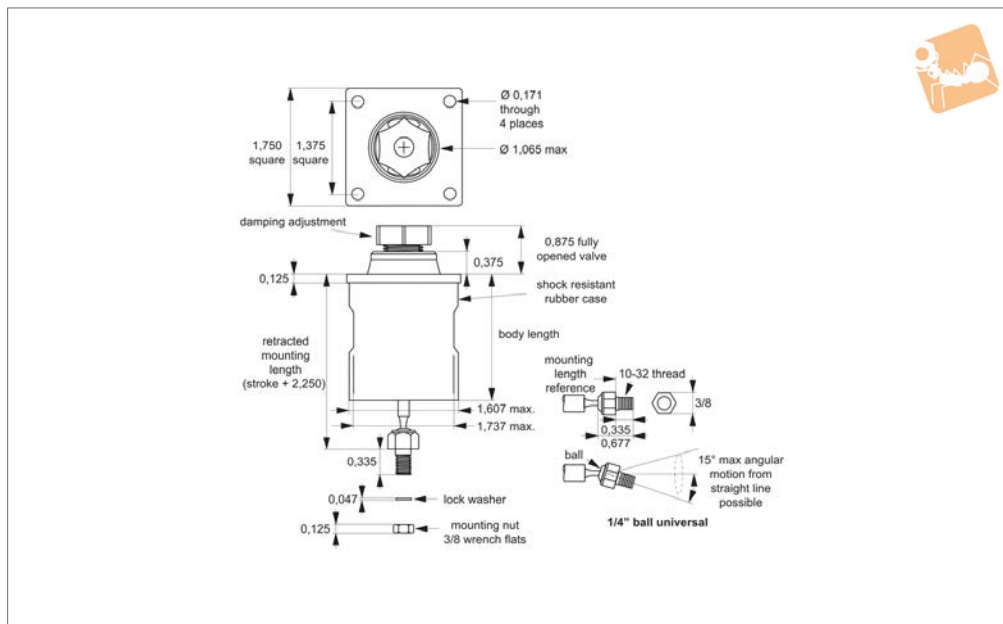
Order No.	Stroke	Damping direction	Rod end linkage	Bore dia.	Pull damping force N max.	Push damping force N max.	Body length
L4576.0500-TW	0,5"	Two-way	1/4" Ball	0,945"	40	31.1	1,296"
L4576.1000-TW	1,0"	Two-way	1/4" Ball	0,945"	40	31.1	1,796"
L4576.1500-TW	1,5"	Two-way	1/4" Ball	0,945"	40	31.1	2,296"
L4576.2000-TW	2,0"	Two-way	1/4" Ball	0,945"	40	31.1	2,796"
L4576.0500-PL	0,5"	Pull	1/4" Ball	0,945"	40	31.1	1,296"
L4576.1000-PL	1,0"	Pull	1/4" Ball	0,945"	40	31.1	1,796"
L4576.1500-PL	1,5"	Pull	1/4" Ball	0,945"	40	31.1	2,296"
L4576.2000-PL	2,0"	Pull	1/4" Ball	0,945"	40	31.1	2,796"
L4576.0500-PS	0,5"	Push	1/4" Ball	0,945"	40	31.1	1,277"
L4576.1000-PS	1,0"	Push	1/4" Ball	0,945"	40	31.1	1,777"
L4576.1500-PS	1,5"	Push	1/4" Ball	0,945"	40	31.1	2,277"
L4576.2000-PS	2,0"	Push	1/4" Ball	0,945"	40	31.1	2,777"



CYLINDERS



L4578



Material

Graphite carbon piston.
 Annealed borosilicate glass cylinder.
 Precision fire-polished bore.
 Stainless steel piston rod (AISI 304).

Force without side load: <4g.

Operating temperature range: -55°C to 125°C.

*If operating temperature is above +70°C, please advise at time of ordering.

Rod end = 5-15 in-lb (0.56-1.7 Nm)

Full stroke is obtained with customer held mounting tolerance of ±0.015" (0.38mm).

Technical Notes

Damping coefficient = 0-7, N N/(mm/s).
 Friction coefficient = 0.2.

Important Notes

Mounting data:
 Mounting nut torque:

Level of damping is adjustable by hand. If you know the level of damping required we can pre-set this in the factory.

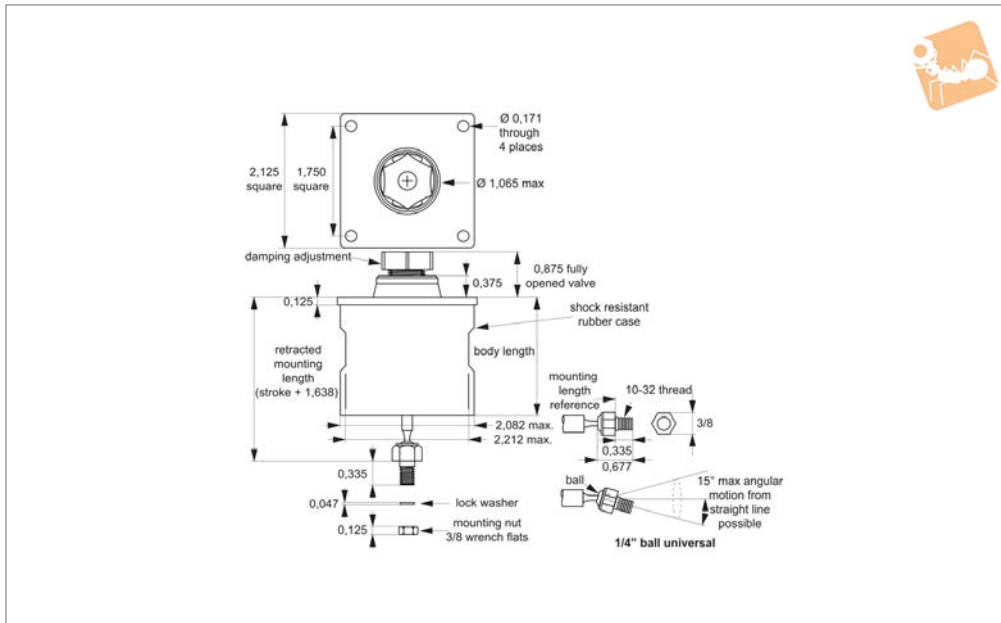
Order No.	Stroke	Damping direction	Rod end linkage	Bore dia.	Pull damping force N max.	Push damping force N max.	Body length
L4578.0500-TW	0,5"	Two-way	1/4" Ball	1,281"	75.62	57.83	1,880"
L4578.1000-TW	1,0"	Two-way	1/4" Ball	1,281"	75.62	57.83	2,380"
L4578.1500-TW	1,5"	Two-way	1/4" Ball	1,281"	75.62	57.83	2,880"
L4578.2000-TW	2,0"	Two-way	1/4" Ball	1,281"	75.62	57.83	3,380"
L4578.3000-TW	3,0"	Two-way	1/4" Ball	1,281"	75.62	57.83	4,380"
L4578.0500-PL	0,5"	Pull	1/4" Ball	1,281"	75.62	57.83	1,880"
L4578.1000-PL	1,0"	Pull	1/4" Ball	1,281"	75.62	57.83	2,380"
L4578.1500-PL	1,5"	Pull	1/4" Ball	1,281"	75.62	57.83	2,880"
L4578.2000-PL	2,0"	Pull	1/4" Ball	1,281"	75.62	57.83	3,380"
L4578.3000-PL	3,0"	Pull	1/4" Ball	1,281"	75.62	57.83	4,380"
L4578.0500-PS	0,5"	Push	1/4" Ball	1,281"	75.62	57.83	1,947"
L4578.1000-PS	1,0"	Push	1/4" Ball	1,281"	75.62	57.83	2,447"
L4578.1500-PS	1,5"	Push	1/4" Ball	1,281"	75.62	57.83	2,947"
L4578.2000-PS	2,0"	Push	1/4" Ball	1,281"	75.62	57.83	3,447"
L4578.3000-PS	3,0"	Push	1/4" Ball	1,281"	75.62	57.83	4,447"



Push/Pull Dashpot

1,750" bore

Cylinders



L4580

CYLINDERS

Material

Graphite carbon piston.
 Annealed borosilicate glass cylinder.
 Precision fire-polished bore.
 Stainless steel piston rod (AISI 304).

Force without side load: <8g.
 Operating temperature range: -55°C to 125°C.
 *If operating temperature is above +70°C, please advise at time of ordering.

Rod end = 5-15 in-lb (0.56-1.7 Nm)

Full stroke is obtained with customer held mounting tolerance of ±0.015" (0.38mm).

Technical Notes

Damping coefficient = 0-7,0 N/(mm/s).
 Friction coefficient = 0.2.

Important Notes

Mounting data:
 Mounting nut torque:

Level of damping is adjustable by hand. If you know the level of damping required we can pre-set this in the factory.

Order No.	Stroke	Damping direction	Rod end linkage	Bore dia.	Pull damping force N max.	Push damping force N max.	Body length
L4580.0500-TW	0,5"	Two-way	1/4" Ball	1,750"	133.45	106.76	1,852"
L4580.1000-TW	1,0"	Two-way	1/4" Ball	1,750"	133.45	106.76	2,352"
L4580.2000-TW	2,0"	Two-way	1/4" Ball	1,750"	133.45	106.76	3,352"
L4580.3000-TW	3,0"	Two-way	1/4" Ball	1,750"	133.45	106.76	4,352"
L4580.0500-PL	0,5"	Pull	1/4" Ball	1,750"	133.45	106.76	1,852"
L4580.1000-PL	1,0"	Pull	1/4" Ball	1,750"	133.45	106.76	2,352"
L4580.2000-PL	2,0"	Pull	1/4" Ball	1,750"	133.45	106.76	3,352"
L4580.3000-PL	3,0"	Pull	1/4" Ball	1,750"	133.45	106.76	4,352"
L4580.0500-PS	0,5"	Push	1/4" Ball	1,750"	133.45	106.76	1,987"
L4580.1000-PS	1,0"	Push	1/4" Ball	1,750"	133.45	106.76	2,487"
L4580.2000-PS	2,0"	Push	1/4" Ball	1,750"	133.45	106.76	3,487"
L4580.3000-PS	3,0"	Push	1/4" Ball	1,750"	133.45	106.76	4,487"