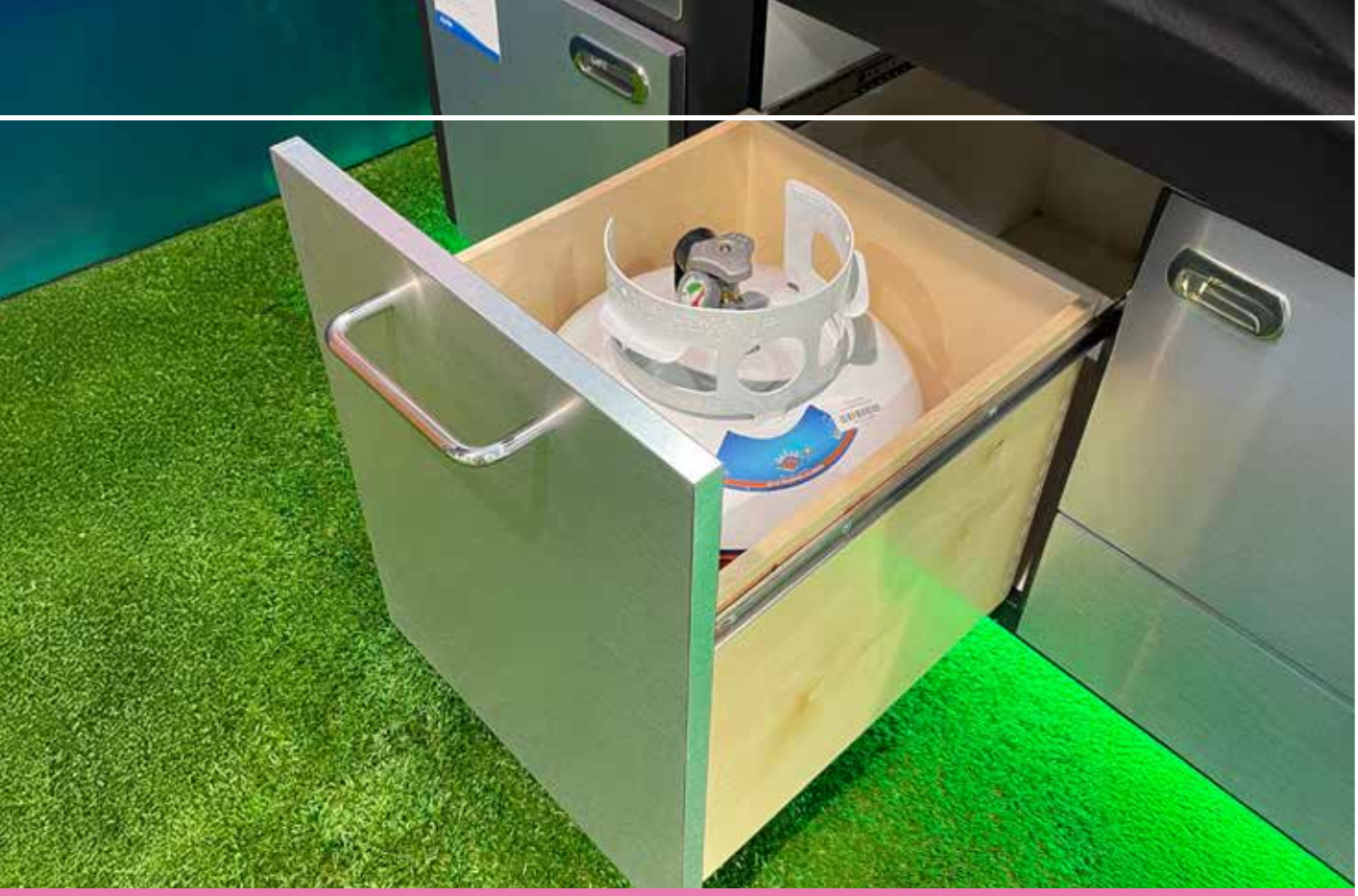
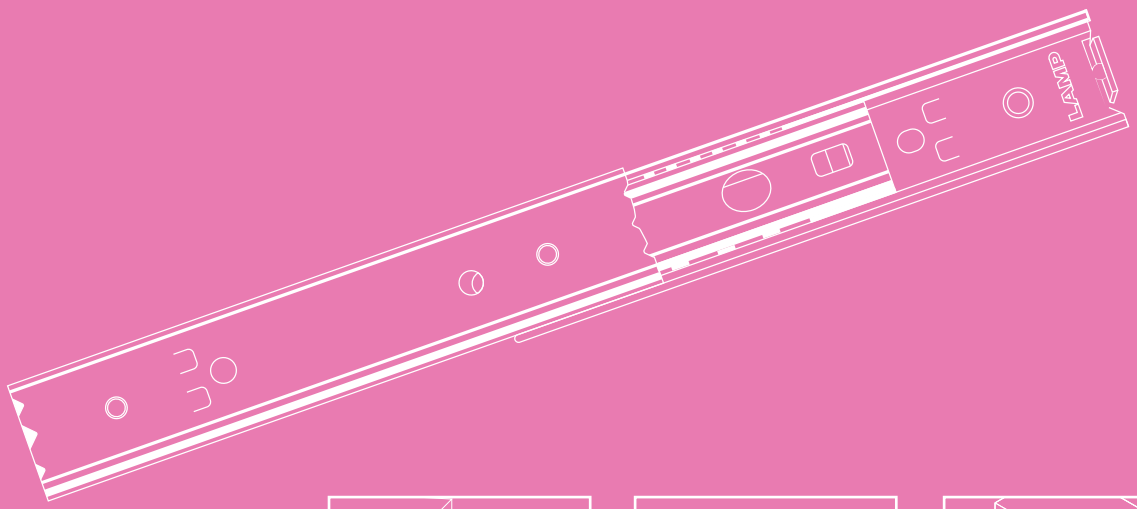
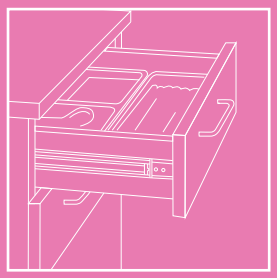
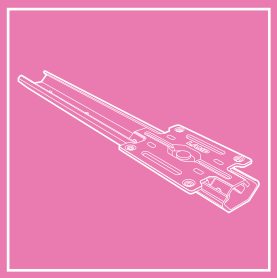


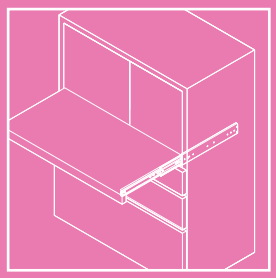
Drawer Slides and Linear Guides.

Stainless Steel Drawer Slides • Aluminum Drawer Slides • Linear Guides • Mini Guides





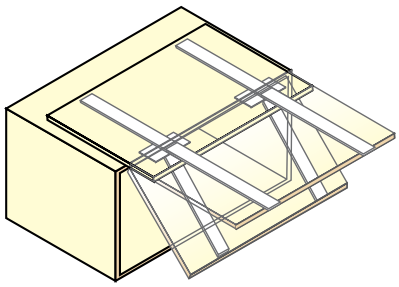


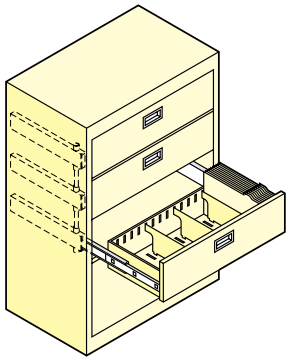


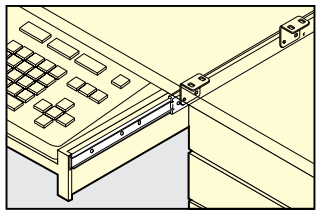
Drawer Slides and Linear Guides.

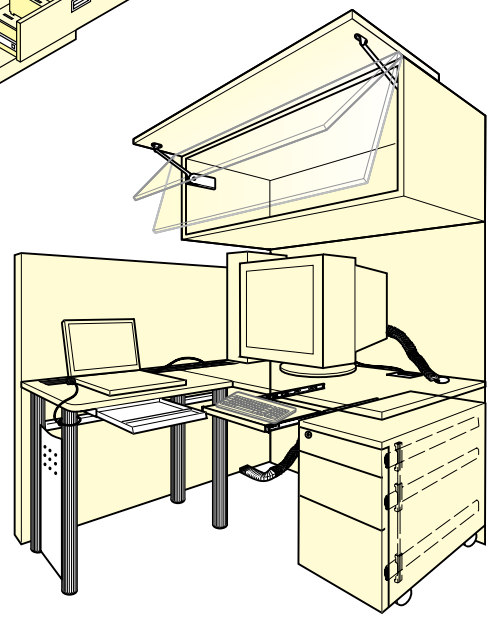
APPLICATION EXAMPLE

OFFICE FURNITURE

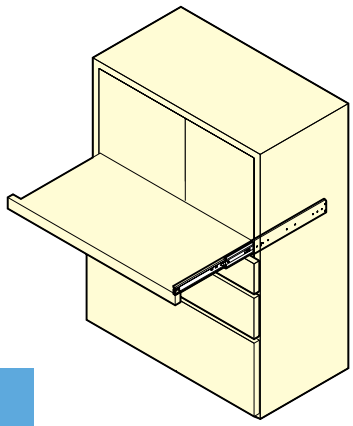


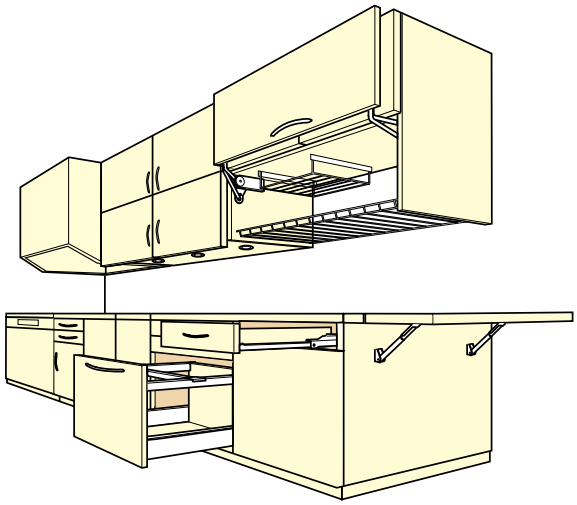




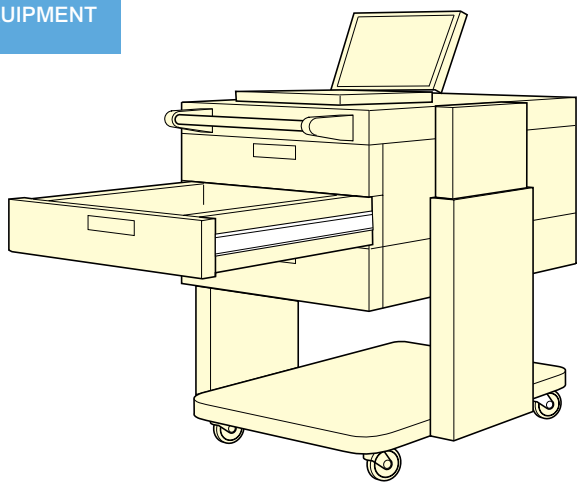


KITCHENS

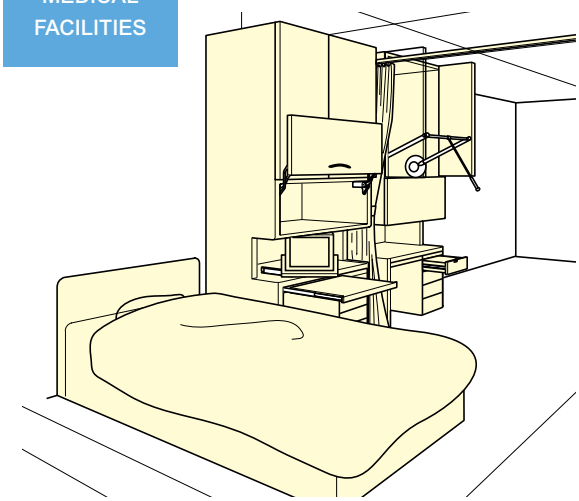




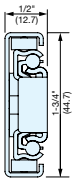
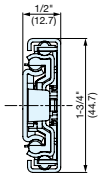
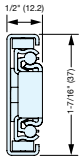
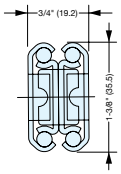
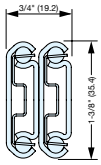
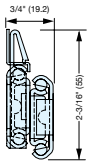
MEDICAL EQUIPMENT

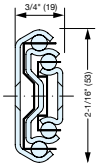
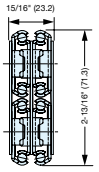
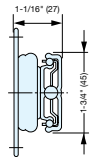
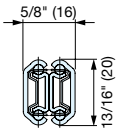
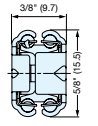


MEDICAL FACILITIES

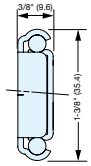
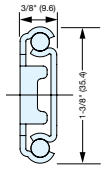
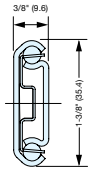
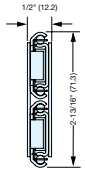
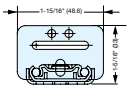
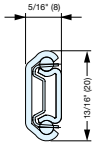
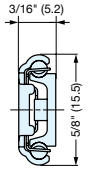


STAINLESS STEEL FULL EXTENSION SLIDES

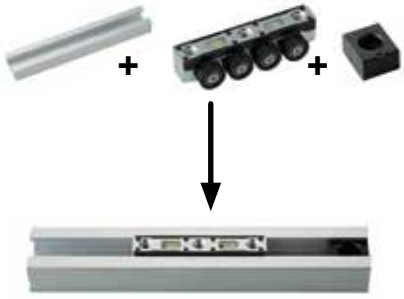
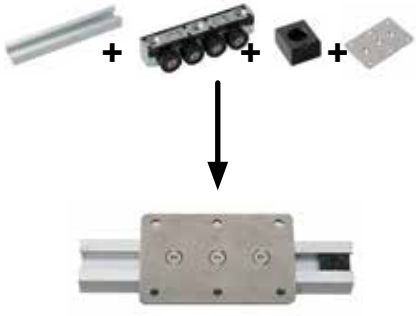
Item No.	Load Rating (pair)	Page	Side View	Features									
				Hold-In Detent	Hold-Out Detent	Positive Stop	Positive Lock	Positive Catch	Front Disconnect	Friction Brake Stop	Quick Disconnect	Other Features	Non-Handed
ESR-DC4513 	87~119 lbs (40~54 kg)	640		●		●			●				●
ESR-SC4513 	68~82 lbs (31~37 kg)	641				●			●			Soft Close	
ESR-3813 	64~98 lbs (29~45 kg)	642		●		●			●				●
ESR-6 	99~132 lbs (45~60 kg)	643				●							●
ESR-7 	79~139 lbs (36~64 kg)	644					●		●				●
ESR-3 	94~143 lbs (43~65 kg)	645				●					●		

Item No.	Load Rating (pair)	Page	Side View	Hold-In Detent	Hold-Out Detent	Positive Stop	Positive Lock	Positive Catch	Front Disconnect	Friction Brake Stop	Quick Disconnect	Other Features	Non-Handed
5302 STAINLESS 304 STEEL 	140~255 lbs (64~116 kg)	646		●		●							●
ESR-10 STAINLESS 304 STEEL 	400~599 lbs (182~272 kg)	647				●							●
TSS3 RoHS STAINLESS 304 STEEL 	110~209 lbs (50~95 kg)	648				●							●
ESR-2031 RoHS STAINLESS 304 STEEL 	28~37 lbs (13~17 kg)	658				●						Full Extension	●
SCR3 RoHS STAINLESS 304 STEEL 	22~26 lbs (10~12 kg)	662											

STAINLESS STEEL 3/4 EXTENSION SLIDES

Item No.	Load Rating (pair)	Page	Side View	Features									
				Hold-In Detent	Hold-Out Detent	Positive Stop	Positive Lock	Positive Catch	Front Disconnect	Friction Brake Stop	Quick Disconnect	Other Features	Non-Handed
ESR-1 	55~107 lbs (25~49 kg)	652							●			Friction Brake Stop	●
ESR-13 	55~107 lbs (25~49 kg)	653				●		●				Positive Catch	●
ESR-8 	55~107 lbs (25~49 kg)	654					●		●				●
ESR-5 	176~251 lbs (80~114 kg)	655				●							●
ESR-2 	11~18 lbs (5~8 kg)	656							●	●		Undermount	
ESR-2021 	24~35 lbs (11~13 kg)	658				●							●
SCRW2 	22~26.4 lbs (10~12 kg)	662											

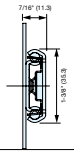
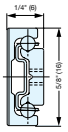
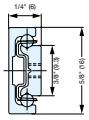
LINEAR SLIDES

Item No.	Page	Load Rating	Length	
LGB-30CM 	402	66 lbs (30 kg)		
LGB30 	402		(15-3/4"~78-3/4") 400~2000 mm	
LGB30-ST 	403		-	
LGB30-P65-100 	403		-	

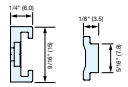
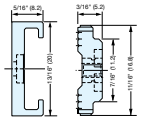
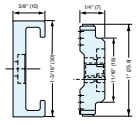
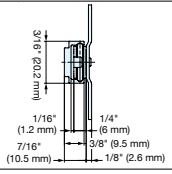
Drawer Slide Terms

- **Soft Close** ..... The slide soft closes on its own for the last 2~3" of movement.
- **Slide Length** ..... The longest dimension of a fully closed slide. This dimension cannot exceed the depth of the cabinet into which it is installed.
- **Travel** ..... The distance that a slide moves from the closed to a fully open position.
- **¾ Extension** ..... The slide extends approximately ¾ of its length from the front edge of the cabinet front. This is the normal travel of 2 member slides.
- **Full Extension** ..... The full withdrawal of a drawer from the case. This is the normal travel of 3 member slides.
- **Positive Stop** ..... Drawer stops at extended/open position, but does not lock or detent.
- **Positive Lock** ..... Drawer is firmly held in the extended/out position. Drawer is released by depressing a lever and pushing the drawer inward. The drawer can also be disconnected by depressing the lever and pulling the drawer outward.
- **Friction Brake Stop** .... Drawer stops at extended/open position by the resistance of the ball retainer. Usually achieved by deforming the slide races to achieve an interference fit.
- **Hold-in Detent**..... Drawer is firmly held in the fully closed position. Drawer is released by pulling the drawer outward. This feature is also known as a Positive Catch.
- **Front Disconnect** ..... Drawer member can be disconnected by actuating the disconnect lever.
- **Quick Disconnect** ..... A drawer bracket attaches to the drawer and engages the drawer member of the slide. The drawer can be disconnected by actuating the drawer rail lock, and pulling it outward.

LINEAR SLIDES

Item No.	Load Rating (pair)	Page	Side View	Hold-In Detent	Hold-Out Detent	Light-Weight	2-way Travel	Thin Profile	Full Extension	High Precision	Mounting Plate	Other Features	Non-Handed
ESR-9 	11 lbs (5 kg)	409									●		●
ARL2-16 	1.7~11 lbs (0.8~5 kg)	411				●		●					●
ARW2-16 	2.4~15.4 lbs 1.1~7 kg	411				●	●	●					●
SCRL2 	40~53 lbs (18~24 kg)	414						●					

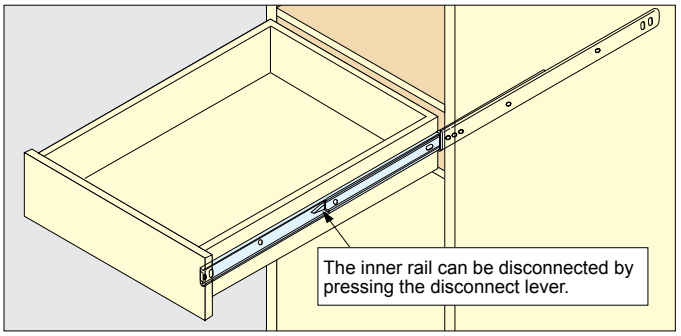
GUIDE SYSTEMS

Item No.	Page	Side View	Load Rating	Length	
MRS-15, MR-15CS 	663		Horizontal Static Load: 22.48 lbs (10.2 kgf) Vertical Static Load: 6.61 lbs (3.0 kgf)	3-15/16"~31-1/2" (100-800 mm)	
MRS20, MR-20CS 	664		Horizontal Static Load: 67.5 lbs (30.6 kgf) Vertical Static Load: 39.2 lbs (17.8 kgf)	3-15/16"~78-3/4" (100-2000 mm)	●
MRS30, MR-30CS 	666		Horizontal Static Load: 57.2 lbs (26 kgf) Vertical Static Load: 33 lbs (15 kgf)	3-15/16"~78-3/4" (100-2000 mm)	●
MLG 	668			7-7/8" 11-13/16" 15-3/4" (200, 300, 400 mm)	
MLGX25, MLGX32 	672~ 675		See Product Page for details		●

FULL EXTENSION SLIDE

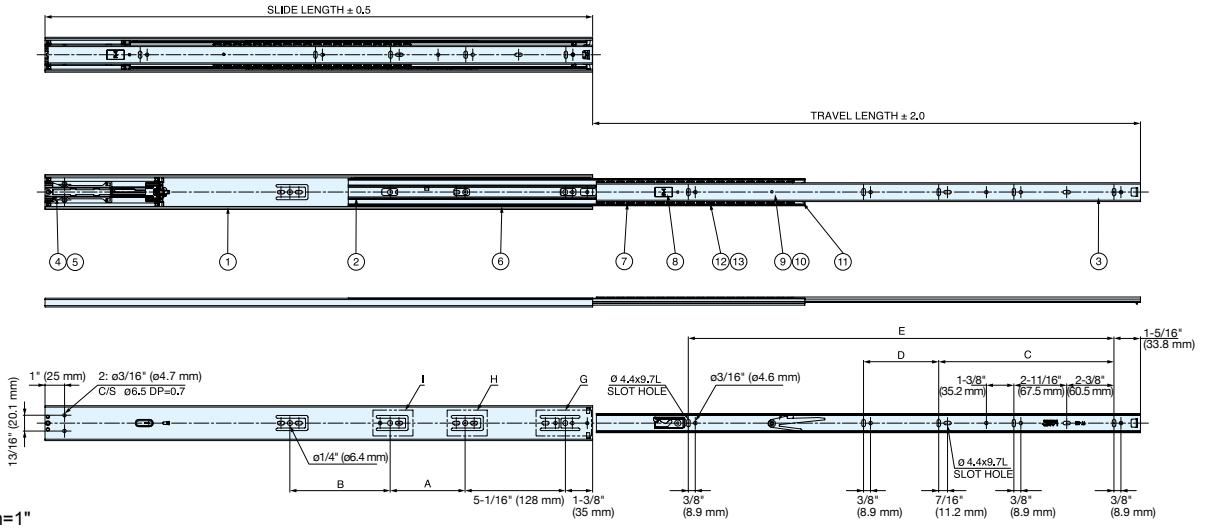
RoHS compliant | STAINLESS 304 STEEL | LOAD RATING 87~119 lbs 40~54 kg | NO SCREW

ESR-DC4513



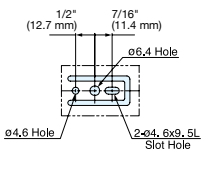
- Full extension.
- Front disconnect.
- Positive stop.
- Hold-in detent.
- Non-handed.
- Sold in pairs.
- Mount with M4 or #8, Binding or Pan head screws.



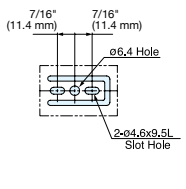


25.4mm=1"

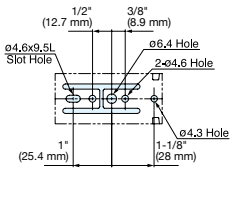
Part Name	Material
Outer Member	304 Stainless Steel
Middle Member	
Inner Member	
Retainer	Polypropylene
Ball Case	304 Stainless Steel
Stopper (Guide)	Nylon 6
Disconnector	Nylon 66
Rivet	304 Stainless Steel
Stopper	Urethane
Balls	304 Stainless Steel
Lubricant	H1 Grade



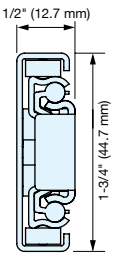
DETAIL M



DETAIL L



DETAIL K



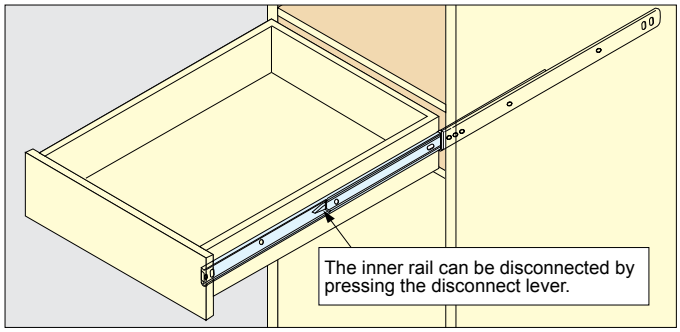
Item No.	Slide Length	Travel Length	A	B	C	D	E	F	G	H	I	Load Rating (pair)	Weight (g)	Box (Pair)
ESR-DC4513-8	7-7/8" (200 mm)	7-7/8" (200 mm)	-	-	-	-	-	-	(142)	-	-	119 lbs (54 kg)	447	10
ESR-DC4513-10	9-13/16" (250 mm)	9-13/16" (250 mm)	-	-	-	2-3/8" (60.5)	-	-	(192)	-	-	115 lbs (52 kg)	603	
ESR-DC4513-12	11-13/16" (300 mm)	11-13/16" (300 mm)	3-3/4" (96)	-	-		-	-	(242)	-	-	111 lbs (50 kg)	754	
ESR-DC4513-14	13-3/4" (350 mm)	13-3/4" (350 mm)		-	-		-	-	(292)	-	-	108 lbs (49 kg)	919	
ESR-DC4513-16	15-3/4" (400 mm)	15-3/4" (400 mm)		(96)	-		2-11/16" (67.5)	-	(342)	-	-	104 lbs (47 kg)	1064	
ESR-DC4513-18	17-3/4" (450 mm)	17-3/4" (450 mm)		(128)	-			-	(392)	(72)	-	100 lbs (46 kg)	1228	
ESR-DC4513-20	19-11/16" (500 mm)	19-11/16" (500 mm)		(192)	-			-	(442)	(122)	-	97 lbs (44 kg)	1373	
ESR-DC4513-22	21-5/8" (550 mm)	21-5/8" (550 mm)		5-1/16" (128)	(96)			-	(492)	(76)	(96)	94 lbs (43 kg)	1528	
ESR-DC4513-24	23-5/8" (600 mm)	23-5/8" (600 mm)			(128)			3-3/4" (96)	(542)	(126)	-	92 lbs (42 kg)	1687	
ESR-DC4513-26	25-9/16" (650 mm)	25-9/16" (650 mm)			7-9/16" (192)				(592)	(48)	(128)	90 lbs (41 kg)	1854	
ESR-DC4513-28	27-9/16" (700 mm)	27-9/16" (700 mm)							(642)	(98)		87 lbs (40 kg)	2020	

() units in mm.

FULL EXTENSION SOFT CLOSE SLIDE

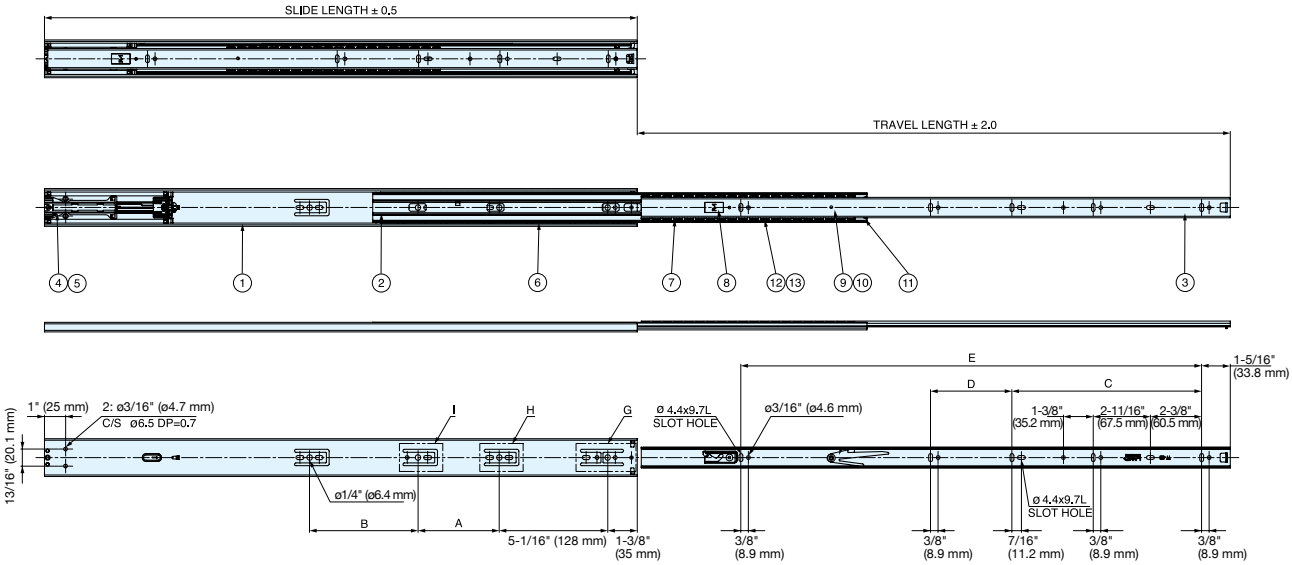
RoHS compliant | STAINLESS 304 STEEL | LOAD RATING 31~37 kg 68~82 lbs | NO SCREW

ESR-SC4513



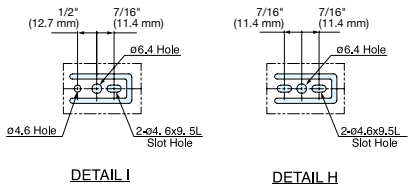
- Soft close feature for smooth, silent movement.
- Full extension.
- Front disconnect.
- Positive stop.
- Hold-in detent 1.5 lb (700 g-f) max.
- Handed: specific left and right hand mounting.
- Sold in pairs.
- Inner member clearance provided for screws 5/16" x 1/16" (8 mm × 2 mm) HT.
- Outer member clearance provided for screws 5/16" x 1/16" (8 mm × 2 mm) HT.
- Mount with M4 or #8 Binding, Pan, or Truss head screws.

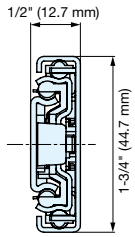




25.4 mm=1"

Part Name	Material
Outer Member	304 Stainless Steel
Middle Member	
Inner Member	
Damper S/C Assy	304 Stainless Steel/POM / Nylon 66
Rivet #1	304 Stainless Steel
Retainer	Polypropylene
Ball Case	304 Stainless Steel
Hook Block	Nylon 66
Rivet #2	304 Stainless Steel
Disconnector	Nylon 66
Stopper (Guide)	Nylon 6
Balls	304 Stainless Steel
Lubricant	H1 Grade





* Only on ESR-SC4513-18

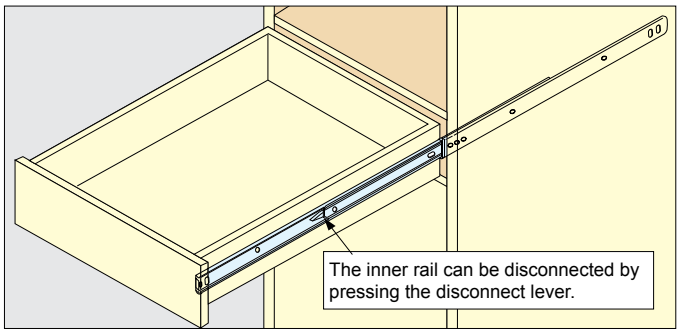
Item No.	Slide Length	Travel Length	A	B	C	D	E	Load Rating (pair)	Weight (g)	Box (Pair)
ESR-SC4513-16	15-3/4" (400 mm)	15-3/4" (400 mm)	-	-	-	-	-	82 lbs (37 kg)	996	10
ESR-SC4513-18	17-3/4" (450 mm)	17-3/4" (450 mm)	3-3/4" (96)	-	8-3/8" (212.8)	-	-	79 lbs (36 kg)	1153	
ESR-SC4513-20	19-11/16" (500 mm)	19-11/16" (500 mm)		-	8-13/16" (224 mm)	-	(339)	77 lbs (35 kg)	1303	
ESR-SC4513-22	21-5/8" (550 mm)	21-5/8" (550 mm)		-		-	(384)	75 lbs (34 kg)	1472	
ESR-SC4513-24	23-5/8" (600 mm)	23-5/8" (600 mm)		5-1/16" (128)		2-1/2" (64)	(416)	73 lbs (33 kg)	1623	
ESR-SC4513-26	25-9/16" (650 mm)	25-9/16" (650 mm)				3-3/4" (96 mm)	(496)	70 lbs (32 kg)	1779	
ESR-SC4513-28	27-9/16" (700 mm)	27-9/16" (700 mm)					(544)	68 lbs (31 kg)	1940	

() units in mm.

FULL EXTENSION SLIDE

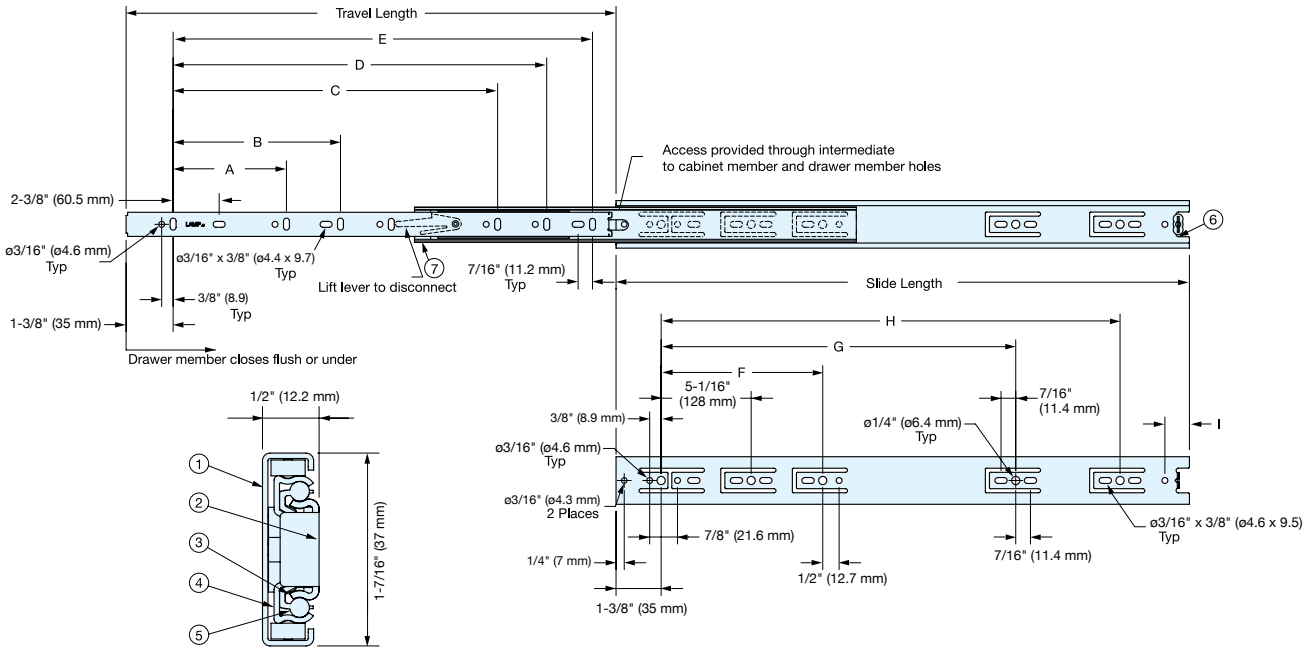
RoHS compliant | STAINLESS 304 STEEL | LOAD RATING 29~45 kg 64~98 lbs | NO SCREW

ESR-3813



- Full extension.
- Front disconnect.
- Positive stop.
- Hold-in detent.
- Non-handed.
- Sold in pairs.
- Mount with M4 or #8, Binding or Pan head screws.





No.	Part	Material
①	Outer Rail	304 Stainless Steel
②	Inner Rail	
③	Retainer	
④	Intermediate Member	
⑤	Balls	
⑥	Detent	Rubber
⑦	Lift Lever	Plastic

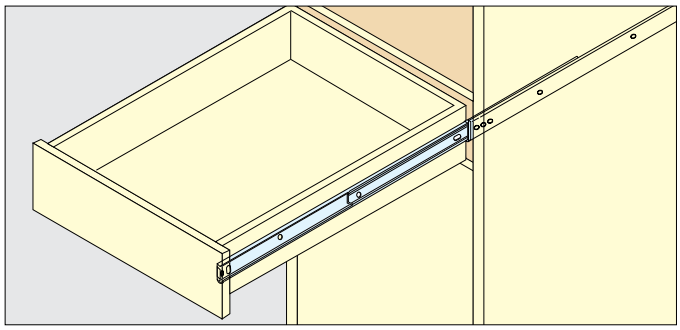
Item No.	Slide Length	Travel Length	A	B	C	D	E	F	G	H	I	Load Rating (pair)	Weight (g)	Box (Pair)
ESR-3813-8	7-7/8" (200 mm)	7-7/8" (200 mm)	-	-	-	-	(142)	-	-	-	-	98 lbs (45 kg)	400	10
ESR-3813-10	9-27/32" (250 mm)	9-9/16" (243 mm)					(192)					92 lbs (42 kg)	530	
ESR-3813-12	11-13/16" (300 mm)	12" (305 mm)	5-1/16" (128)				(242)	8-13/16" (224)			3/4" (19.1)	88 lbs (40 kg)	637	
ESR-3813-14	13-25/32" (350 mm)	14" (355 mm)					(292)					84 lbs (38 kg)	726	
ESR-3813-16	15-3/4" (400 mm)	16" (406 mm)					(342)		(320)			79 lbs (36 kg)	816	
ESR-3813-18	17-23/32" (450 mm)	18" (457 mm)			12-19/32" (320)		(392)		(352)			75 lbs (34 kg)	910	
ESR-3813-20	19-11/16" (500 mm)	20" (508 mm)					(442)		(416)			73 lbs (33 kg)	1000	
ESR-3813-22	21-21/32" (550 mm)	22" (559 mm)				(416)	(492)		13-7/8" (352)	(448)		68 lbs (31 kg)	1090	
ESR-3813-24	23-5/8" (600 mm)	24" (610 mm)		(224)	(416)	-	(542)			(480)		64 lbs (29 kg)	1180	

() units in mm.

FULL EXTENSION SLIDE

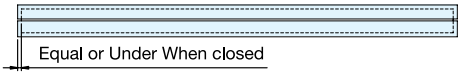
STAINLESS 304 STEEL | LOAD RATING 45~60 kg 99~132 lbs | NO SCREW

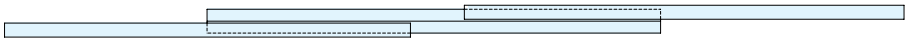
ESR-6

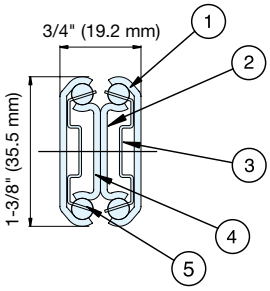


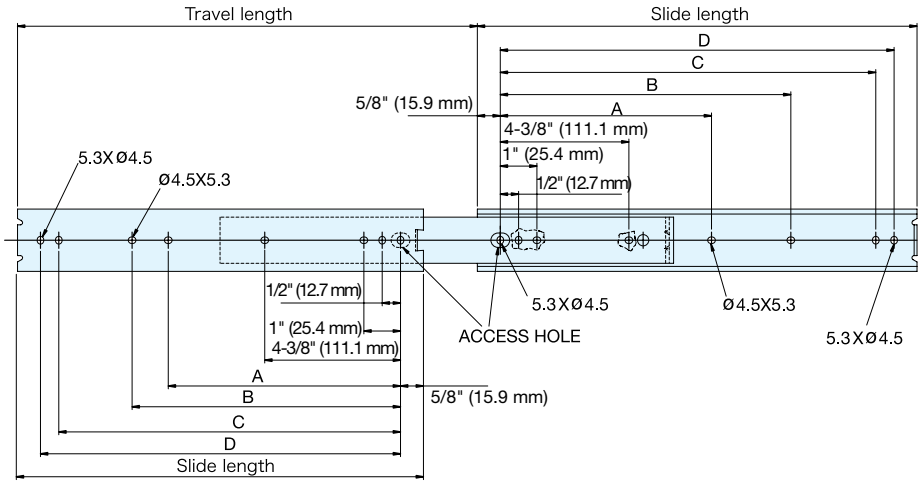
- Full extension.
- Positive stop.
- Non-handed.
- Sold by each.
- Mount with M4 or #8 Binding, Pan, or Truss head screws.











25.4 mm=1"

No.	Part	Material
①	Outer Rail	304 Stainless Steel
②	Inner Rail	
③	Retainer	
④	Intermediate Member	
⑤	Balls	

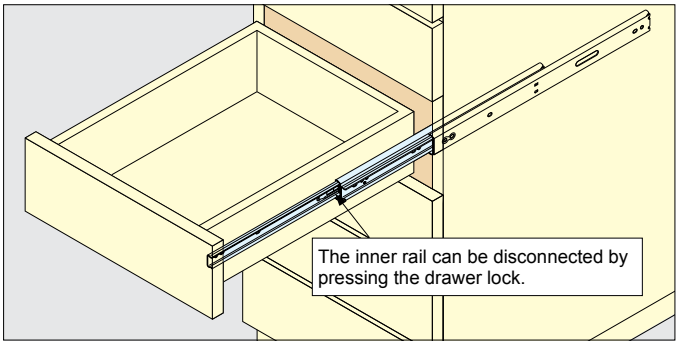
Item No.	Slide Length	Travel Length	A	B	C	D	# of Holes Outer Rail	Load Rating	Weight (g)	Box (pcs)
ESR-6-12	12" (304.8 mm)	12-27/32" (326 mm)	-	5-7/8" (149.2 mm)	(260.3)	(273)	7	132 lbs (60 kg)	610	16
ESR-6-14	14" (355.6 mm)	14-27/32" (377 mm)		7-7/8" (200 mm)	(311.1)	(323.8)		130 lbs (59 kg)	710	
ESR-6-16	16" (406.4 mm)	16-27/32" (428 mm)		9-7/8" (250.8 mm)	(361.9)	(374.6)		126 lbs (57 kg)	810	
ESR-6-18	18" (457.2 mm)	18-7/8" (479 mm)	8-3/8" (212.7 mm)	11-7/8" (301.6 mm)	(412.7)	(425.4)	8	123 lbs (56 kg)	920	
ESR-6-20	20" (508 mm)	20-27/32" (529 mm)	9-3/8" (238.1 mm)	13-7/8" (352.4 mm)	(463.5)	(476.2)		117 lbs (53 kg)	980	
ESR-6-22	22" (558.8 mm)	22-27/32" (580 mm)	10-3/8" (263.5 mm)	15-7/8" (403.2 mm)	(514.3)	(527)		112 lbs (51 kg)	1120	
ESR-6-24	24" (609.6 mm)	24-27/32" (631 mm)	11-3/8" (288.9 mm)	17-7/8" (454 mm)	(565.1)	(577.8)		108 lbs (49 kg)	1230	
ESR-6-26	26" (660.4 mm)	26-26/32" (682 mm)	12-3/8" (314.3 mm)	19-7/8" (504.8 mm)	(615.9)	(628.6)		104 lbs (47 kg)	1330	
ESR-6-28	28" (711.2 mm)	28-13/16" (732 mm)	13-3/8" (339.7 mm)	21-7/8" (555.6 mm)	(666.7)	(679.4)		99 lbs (45 kg)	1440	

() units in mm.

FULL EXTENSION SLIDE

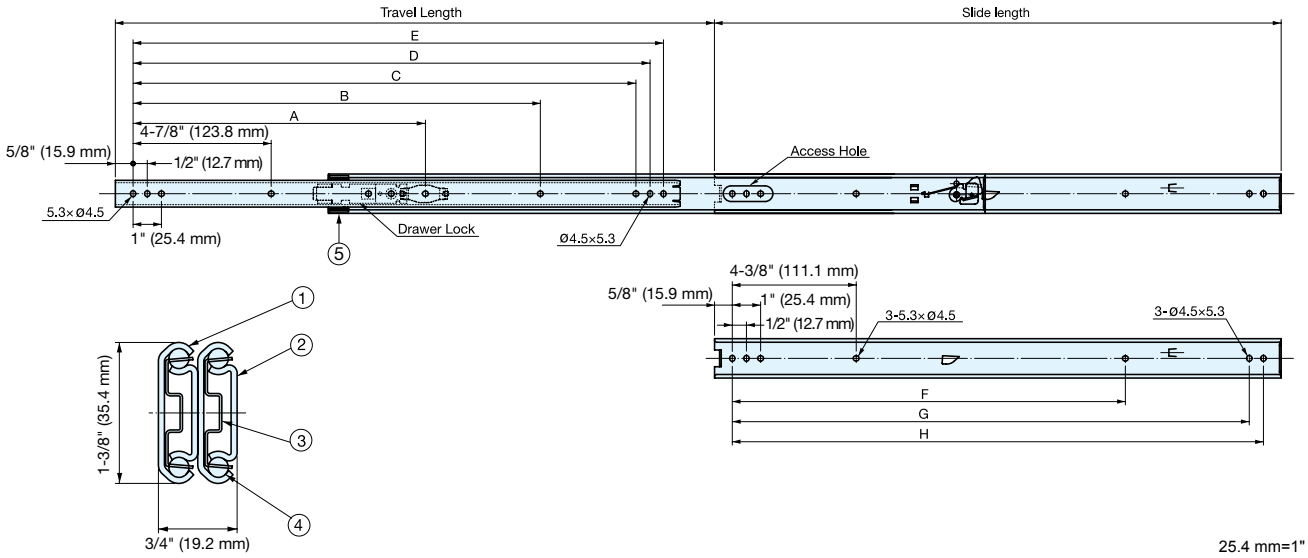
RoHS compliant | STAINLESS 304 STEEL | LOAD RATING 36~64 kg 79~139 lbs | NO SCREW

ESR-7



- Full extension.
- Front disconnect.
- Positive lock.
- Non-handed.
- Sold by each.
- Mount with M4 or #8 Binding, Pan, or Truss head screws.





25.4 mm=1"

No.	Part	Material
①	Outer Rail	304 Stainless Steel
②	Inner Rail	
③	Retainer	
④	Balls	
⑤	Guide Block	Polyacetal

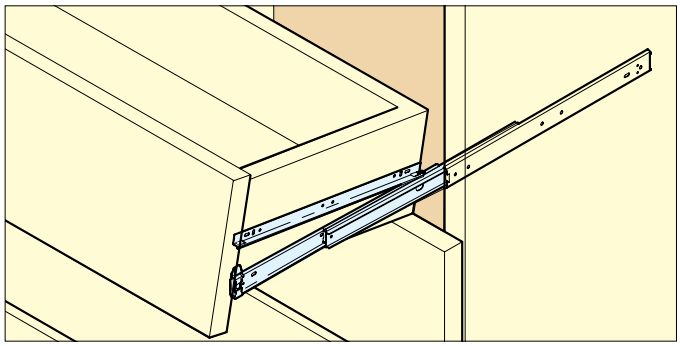
Item No.	Slide Length	Travel Length	A	B	C	D	E	F	G	H	# of Holes		Load Rating (kg/pair)	Weight (g)	Box (pcs)
											Inner Rail	Outer Rail			
ESR-7-12	12" (304.8 mm)	13-7/32" (336 mm)	-	-	-	(260.3)	(273)	-	(260.3)	(273)	5	6	139 lbs (64 kg)	640	16
ESR-7-14	14" (355.6 mm)	15-7/32" (386.8 mm)				(311.1)	(323.8)		(311.1)	(323.8)	6		131 lbs (60 kg)	740	
ESR-7-16	16" (406.4 mm)	17-7/32" (437.6 mm)			(349.2)	(361.9)	(374.6)	(250.8)	(361.9)	(374.6)		7	124 lbs (57 kg)	840	
ESR-7-18	18" (457.2 mm)	19-7/32" (488.4 mm)	8-3/8" (212.7 mm)		(400)	(412.7)	(425.4)	(301.6)	(412.7)	(425.4)	7		115 lbs (53 kg)	950	
ESR-7-20	20" (508 mm)	21-7/32" (539.2 mm)	9-3/8" (238.1 mm)		(450.8)	(463.5)	(476.2)	(352.4)	(463.5)	(476.2)	8		106 lbs (49 kg)	1030	
ESR-7-22	22" (558.8 mm)	23-7/32" (590 mm)	10-3/8" (263.5 mm)	(415.9)	(501.6)	(514.3)	(527)	(403.2)	(514.3)	(527)			99 lbs (45 kg)	1150	
ESR-7-24	24" (609.6 mm)	25-7/32" (640.8 mm)	11-3/8" (288.9 mm)	(466.7)	(552.4)	(565.1)	(577.8)	(454)	(565.1)	(577.8)			92 lbs (42 kg)	1280	
ESR-7-26	26" (660.4 mm)	27-7/32" (691.6 mm)	12-3/8" (314.3 mm)	(517.5)	(603.2)	(615.9)	(628.6)	(504.8)	(615.9)	(628.6)			85 lbs (39 kg)	1400	
ESR-7-28	28" (711.2 mm)	29-7/32" (742.4 mm)	13-3/8" (339.7 mm)	(568.3)	(654)	(666.7)	(679.4)	(555.6)	(666.7)	(679.4)			79 lbs (36 kg)	1500	

() units in mm.

FULL EXTENSION SLIDE

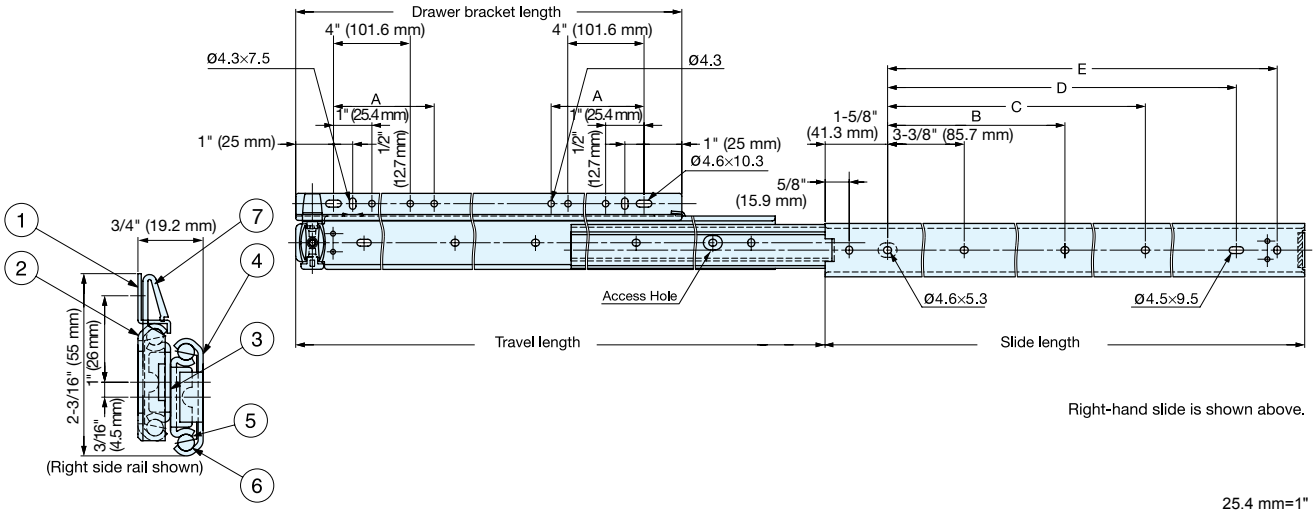
STAINLESS 304 STEEL | LOAD RATING 43~65 kg 94~143 lbs | NO SCREW

ESR-3



- Handed.
- Full extension.
- Quick disconnect.
- Positive stop.
- Sold in pairs.
- Mount with M4 or #8 Binding, Pan, or Truss head screws.





Right-hand slide is shown above.

25.4 mm=1"

No.	Part	Material
①	Drawer Bracket	304 Stainless Steel
②	Inner Rail	
③	Intermediate Member	
④	Outer Rail	
⑤	Retainer	
⑥	Balls	
⑦	Disconnect Lever	Plastic

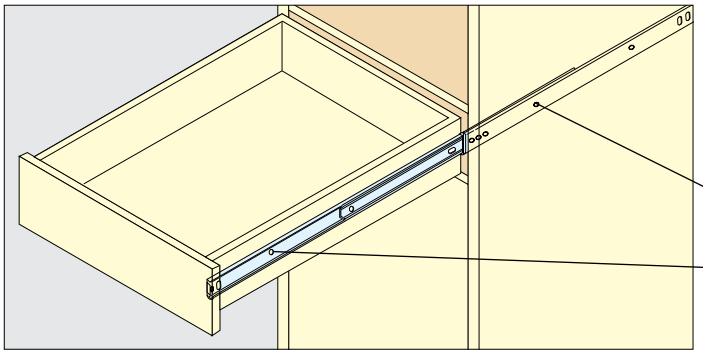
Item No.	Slide Length	Travel Length	Drawer Bracket Length	A	B	C	D	E	#of Holes Outer Rail	Load Rating /pair	Weight (g)	Box (Pair)
ESR-3-12	12" (304.8 mm)	13-23/32" (348.4 mm)	10-3/4" (273 mm)	-	-	(123.1)	(218.3)	(245.3)	6	143 lbs (65 kg)	1400	6
ESR-3-14	14" (355.6 mm)	15-23/32" (399.2 mm)	10-3/4" (273 mm)			(173.9)	(269.1)	(296.1)		134 lbs (61 kg)	1600	
ESR-3-16	16" (406.4 mm)	17-23/32" (450 mm)	14-3/4" (375 mm)			(224.7)	(319.9)	(346.9)		134 lbs (61 kg)	1900	
ESR-3-18	18" (457.2 mm)	19-23/32" (500.8 mm)	14-3/4" (375 mm)		(187.3)	(275.5)	(370.7)	(397.7)	7	123 lbs (56 kg)	2100	
ESR-3-20	20" (508 mm)	21-23/32" (551.6 mm)	14-3/4" (375 mm)		(212.7)	(326.3)	(421.5)	(448.5)		114 lbs (52 kg)	2300	
ESR-3-22	22" (558.8 mm)	23-23/32" (602.4 mm)	20-3/4" (527 mm)	7" (177.8 mm)	(238.1)	(377.1)	(472.3)	(499.3)		114 lbs (52 kg)	2700	
ESR-3-24	24" (609.6 mm)	25-23/32" (653.2 mm)	20-3/4" (527 mm)		(263.5)	(427.9)	(523.1)	(550.1)		105 lbs (48 kg)	3000	
ESR-3-26	26" (660.4 mm)	27-23/32" (704 mm)	22-21/32" (575.3 mm)		(288.9)	(478.7)	(573.9)	(600.9)		94 lbs (43 kg)	3100	
ESR-3-28	28" (711.2 mm)	29-23/32" (754.8 mm)	22-21/32" (575.3 mm)		(314.3)	(529.5)	(624.7)	(651.7)		94 lbs (43 kg)	3500	

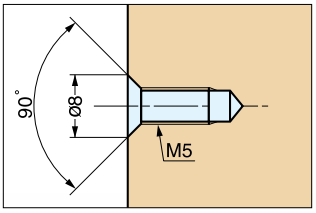
() units in mm.

FULL EXTENSION SLIDE

STAINLESS 304 STEEL | LOAD RATING 64~116 kg 140~255 lbs | NO SCREW

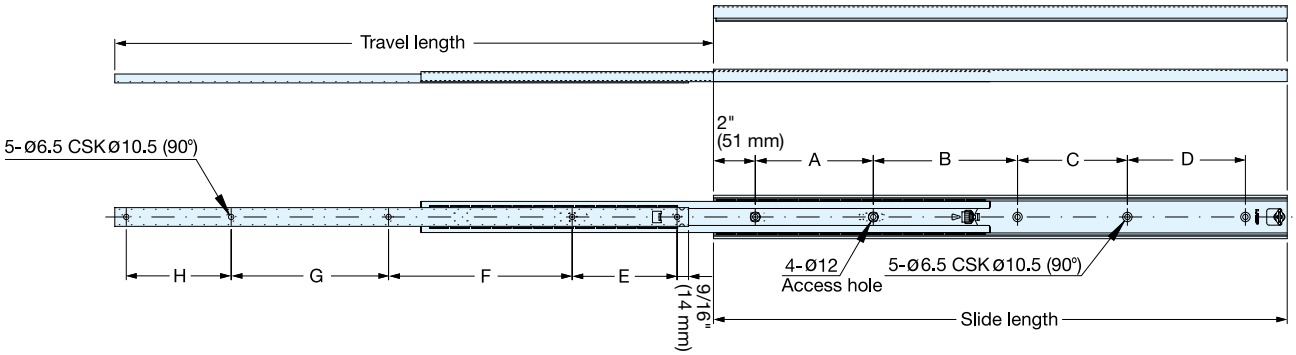
5302

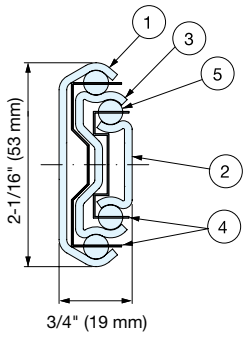




- Full extension.
- Positive stop.
- Non-handed.
- Hold-in detent.
- Sold by each.
- Mount with M5 Flat head screws.







25.4 mm=1"

No.	Part	Material
①	Outer Rail	304 Stainless Steel
②	Inner Rail	
③	Intermediate Member	
④	Retainer	
⑤	Balls	
⑤	Detent	Rubber

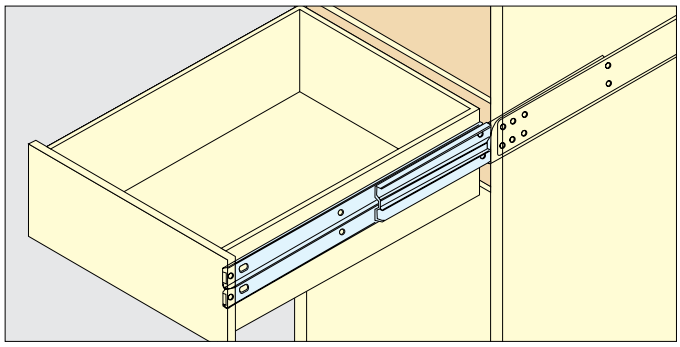
Item No.	Slide Length	Travel Length	A	B	C	D	E	F	G	H	Load Rating /pair	Weight (g)	Box (pcs)
5302-300	11-13/16" (300 mm)	13-1/8" (334 mm)	5-1/32" (128 mm)	(256)	-		(112)	(192)	-		255 lbs (116 kg)	860	20
5302-350	13-3/4" (350 mm)	15-1/8" (384 mm)	6-5/16" (160 mm)	(320)			(144)	(240)			244 lbs (111 kg)	1000	
5302-400	15-3/4" (400 mm)	17-1/16" (433 mm)		(256)	(352)			(224)	(304)		218 lbs (99 kg)	1140	16
5302-450	17-11/16" (450 mm)	19" (482 mm)	5-1/32" (128 mm)	(288)	(416)	-	(80)	(272)	(352)	-	211 lbs (96 kg)	1280	
5302-500	19-11/16" (500 mm)	21" (532 mm)			(448)				(384)		201 lbs (92 kg)	1430	
5302-550	21-11/16" (550 mm)	22-13/16" (580 mm)	7-9/16" (192 mm)	(320)	(512)		(112)	(288)	(448)		188 lbs (86 kg)	1570	10
5302-600	23-5/8" (600 mm)	24-13/16" (630 mm)	8-3/16" (208 mm)	(336)	(544)			(336)	(496)		177 lbs (81 kg)	1710	
5302-650	25-5/8" (650 mm)	26-5/8" (677 mm)	5-1/32" (128 mm)	(288)	(480)	(608)		(272)	(416)	(544)	166 lbs (76 kg)	1850	
5302-700	27-9/16" (700 mm)	28-5/8" (728 mm)		(336)	(544)	(672)	(144)	(304)	(448)	(592)	155 lbs (71 kg)	2000	
5302-750	29-1/2" (750 mm)	30-5/8" (777 mm)	7-9/16" (192 mm)	(370)	(530)	(722)	(176)	(336)	(496)	(648)	149 lbs (68 kg)	2140	8
5302-800	31-1/2" (800 mm)	32-1/2" (826 mm)	8-13/16" (224 mm)	(388)	(548)	(772)	(192)	(384)	(576)	(688)	140 lbs (64 kg)	2280	

() units in mm.

FULL EXTENSION SLIDE

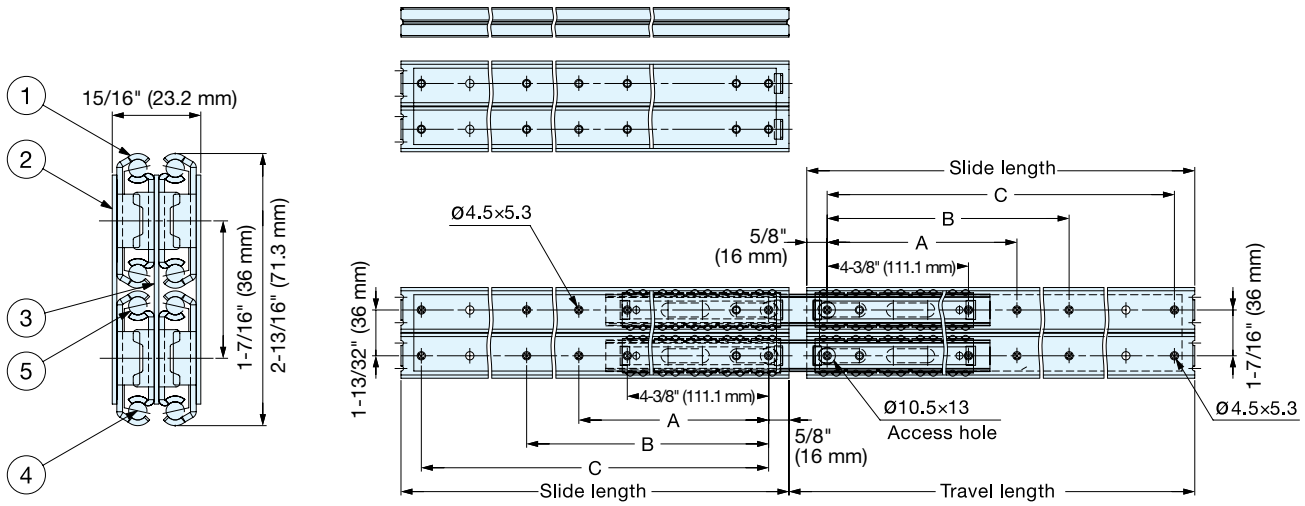
STAINLESS 304 STEEL | LOAD RATING 182~272 kg 400~599 lbs | NO SCREW

ESR-10



- Full extension.
- Positive stop.
- Non-handed.
- Heavy duty.
- Sold by each.
- Mount with M4 or #8 Binding, Pan, or Truss head screws.





25.4 mm=1"

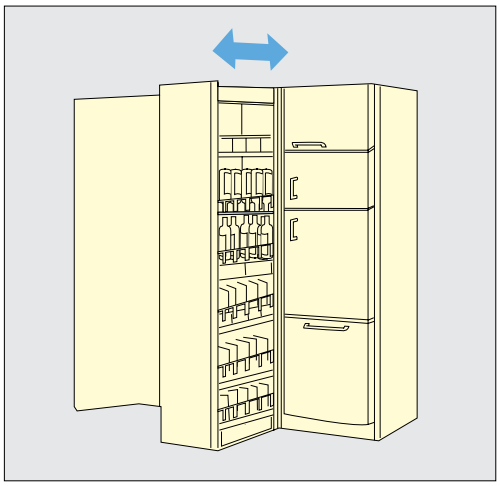
No.	Part	Material
①	Outer Rail	304 Stainless Steel
②	Tie Plate	
③	Intermediate Member	
④	Retainer	
⑤	Balls	

Item No.	Slide Length	Travel Length	A	B	C	# of Holes	Load Rating /pair	Weight (g)	Box (pcs)
ESR-10-12	12" (305 mm)	12-9/16" (319 mm)	-	5-7/8" (149.2 mm)	10-3/4" (273 mm)	16	599 lbs (272 kg)	1670	8
ESR-10-14	14" (355.8 mm)	14-9/16" (369.8 mm)		7-7/8" (200 mm)	12-3/4" (323.8 mm)		590 lbs (268 kg)	2000	
ESR-10-16	16" (406.6 mm)	16-9/16" (420.6 mm)		9-7/8" (250.8 mm)	14-3/4" (374.6 mm)		570 lbs (259 kg)	2340	6
ESR-10-18	18" (457.4 mm)	18-9/16" (471.4 mm)	8-3/8" (212.7 mm)	11-7/8" (301.6 mm)	16-3/4" (425.4 mm)	20	550 lbs (250 kg)	2500	
ESR-10-20	20" (508.2 mm)	20-9/16" (522.2 mm)	9-3/8" (238.1 mm)	13-7/8" (352.4 mm)	18-3/4" (476.2 mm)		530 lbs (241 kg)	2840	
ESR-10-22	22" (559 mm)	22-9/16" (573 mm)	10-3/8" (263.5 mm)	15-7/8" (403.2 mm)	20-3/4" (527 mm)		504 lbs (229 kg)	3250	
ESR-10-24	24" (609.8 mm)	24-9/16" (623.8 mm)	11-3/8" (288.9 mm)	17-7/8" (454 mm)	22-3/4" (577.8 mm)		475 lbs (216 kg)	3500	4
ESR-10-26	26" (660.6 mm)	26-9/16" (674.6 mm)	12-3/8" (314.3 mm)	19-7/8" (504.8 mm)	24-3/4" (628.6 mm)		440 lbs (200 kg)	3840	
ESR-10-28	28" (711.4 mm)	28-9/16" (725.4 mm)	13-3/8" (339.7 mm)	21-7/8" (555.6 mm)	26-3/4" (679.4 mm)		400 lbs (182 kg)	4170	

FULL EXTENSION SLIDE

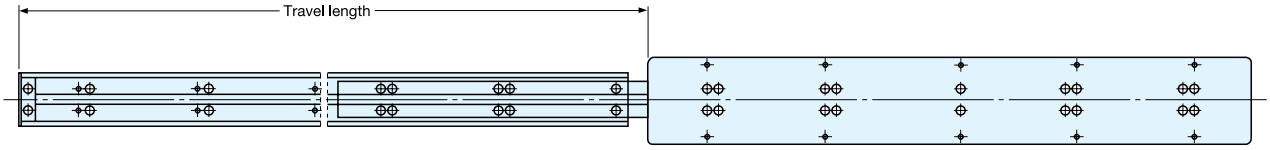
RoHS compliant | LOAD RATING 50~95 kg 110~209 lbs | NO SCREW

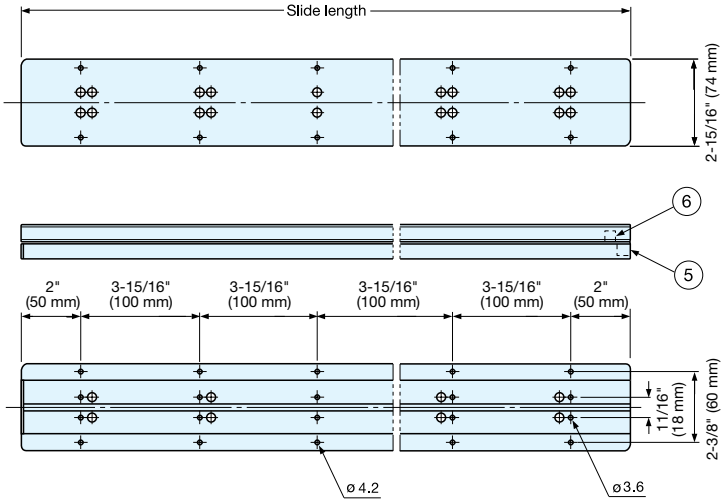
TSS-3

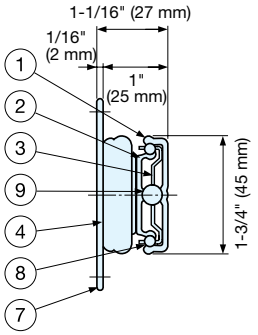


- Full extension.
- Positive stop.
- Non-handed.
- Heavy duty.
- Sold by each.









25.4 mm=1"

No.	Part	Material
①	Outer Rail	304 Stainless Steel
②	Inner Rail	
③	Retainer	
④	End Stopper	Polyamide
⑤	Outer Guide	Polyacetal
⑥	Inner Guide	
⑦	Plate	304 Stainless Steel
⑧	Large Balls	Steel
⑨	Small Balls	

Item No.	Slide Length	Travel Length	# of Holes	Load Rating /pair	Weight (g)	Box (pcs)
TSS-3-300	11-13/16" (300 mm)	13-7/32" (336 mm)	6	209 lbs (95 kg)	1380	4
TSS-3-400	15-3/4" (400 mm)	17-5/32" (436 mm)	8	198 lbs (90 kg)	1860	
TSS-3-500	19-11/16" (500 mm)	21-3/32" (536 mm)	10	187 lbs (85 kg)	2390	
TSS-3-600	23-5/8" (600 mm)	25-1/32" (636 mm)	12	176 lbs (80 kg)	2880	
TSS-3-800	31-1/2" (800 mm)	32-29/32" (836 mm)	16	143 lbs (65 kg)	3790	
TSS-3-1000	39-3/8" (1000 mm)	40-25/32" (1036 mm)	20	110 lbs (50 kg)	4710	

LINEAR ROLLER GUIDE SYSTEM (OVERVIEW) LGB30 SYSTEM



- Bearing roller used in guide block allows for smooth movement.
- LGB-30CM guide block features a noise-reducing design bearing roller using with plastic outer ring.
- Clearance between guide rail and guide block provides versatility.



GUIDE TRACK (LGB30)

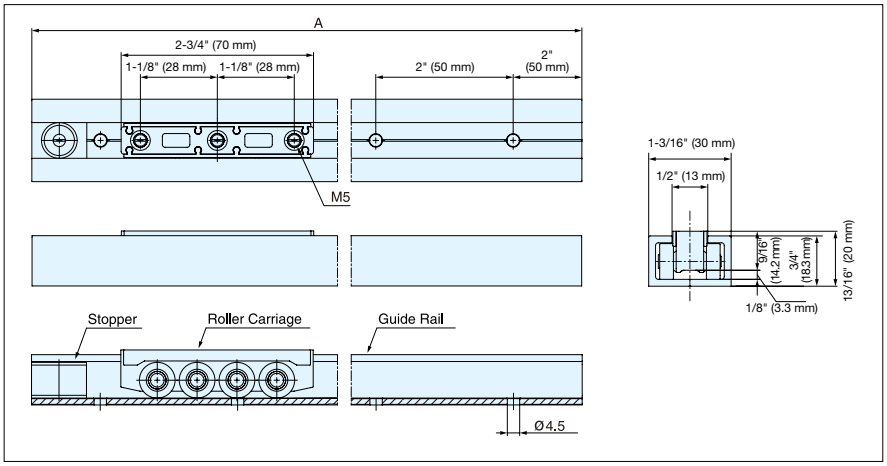


ROLLER CARRIAGE (LGB-30CM)



STOPPER (LGB30-ST)

■ INSTALLATION : Guide Rail, Roller Carriage, Stopper







GUIDE TRACK (LGB30)



ROLLER CARRIAGE (LGB-30CM)

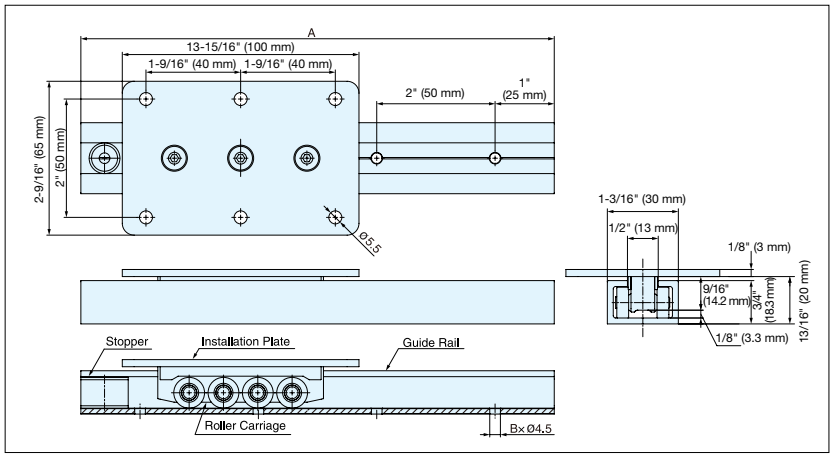


STOPPER (LGB30-ST)



INSTALLATION PLATE ( )

■ INSTALLATION : Guide Rail, Roller Carriage, Stopper, Installation Plate



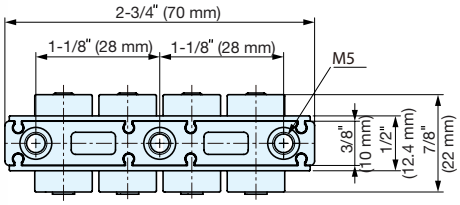
ROLLER CARRIAGE

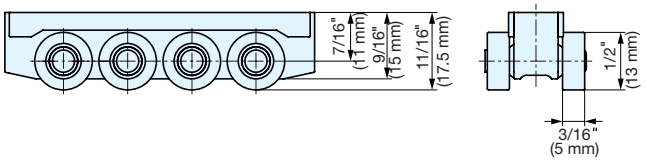
RoHS compliant

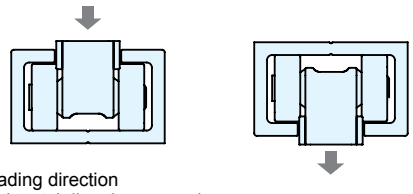
LGB-30CM



- Slide roller carriage with bearing for smooth slide operation.
- To be used in the combination of LGB30 guide rail.







Loading direction
Horizontal direction use only

Item No.	Load Capacity	Weight (g)
LGB-30CM	66 lbs (30 kg)	76

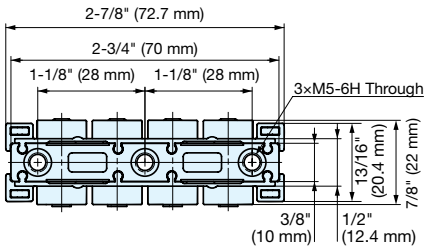
No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Chrome
②	Plate	Polyethylene	Black
③	Shaft	304 Stainless Steel	Plain
④	Roller	Steel/Polyacetal	Black

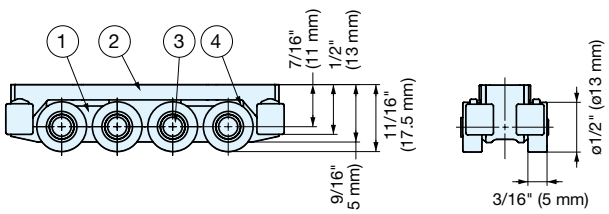
ROLLER CARRIAGE (PRE-LOADED)

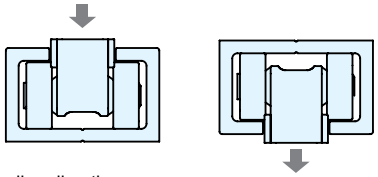
LGB-30CB

- Linear guide roller carriage is pre-loaded in both directions for silent operation:
  - Reduces rattling between the carriage and the rail.
  - Ensures silent operation in both directions.
- To be used in combination with LGB30 guide rail.

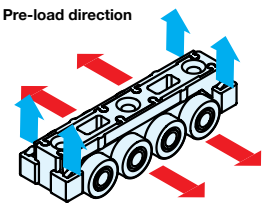








Loading direction
Horizontal direction use only



Item No.	Load Capacity	Weight (g)	Box (pcs)	Carton (pcs)
LGB-30CB	66 lbs (30 kg)	76	36	144

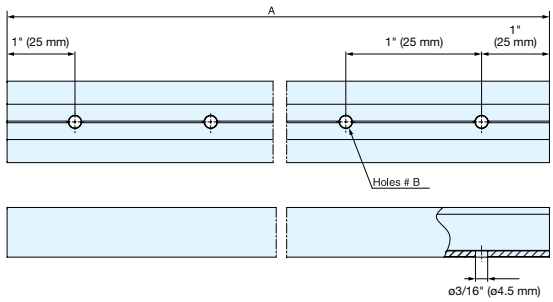
No.	Part Name	Material	Finish
①	Body	Zinc Alloy	Clear Zinc Chromate
②	Slide Protector	Polyethylene	Black
③	Roller Shaft	304 Stainless Steel	Plain
④	Roller	Steel/POM	Black

GUIDE RAIL

RoHS compliant

LGB30





Item No.	A	B	Weight (g)
LGB30-400	15-3/4" (400 mm)	5/16" (8 mm)	195
LGB30-800	31-1/2" (800 mm)	5/8" (16 mm)	390
LGB30-2000	78-47/64" (2000 mm)	1-9/16" (40 mm)	875

Material	Finish
Aluminum	Anodized

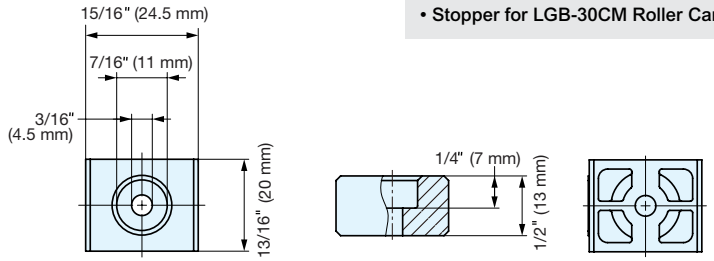
STOPPER

RoHS compliant

LGB30-ST



- Stopper for LGB-30CM Roller Carriage.



Item No.	Weight (g)
LGB30-ST	5.6

Material	Finish
Polyacetal	Black

INSTALLATION PLATE

RoHS compliant

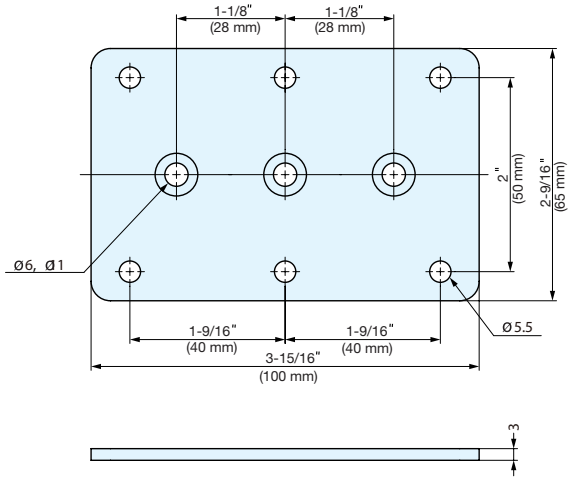
LGB30-P65-100



Installation with roller carriage and guide rail.



- Installation to LGB-30CM roller carriage for any applications.



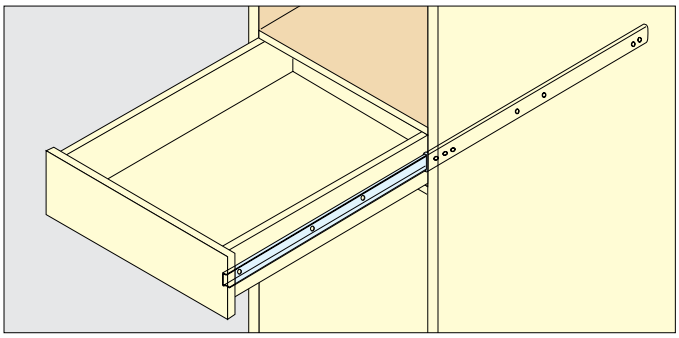
Item No.	Weight (g)
LGB30-P65-100	137

Material	Finish
304 Stainless Steel	Polished

3/4 EXTENSION SLIDE

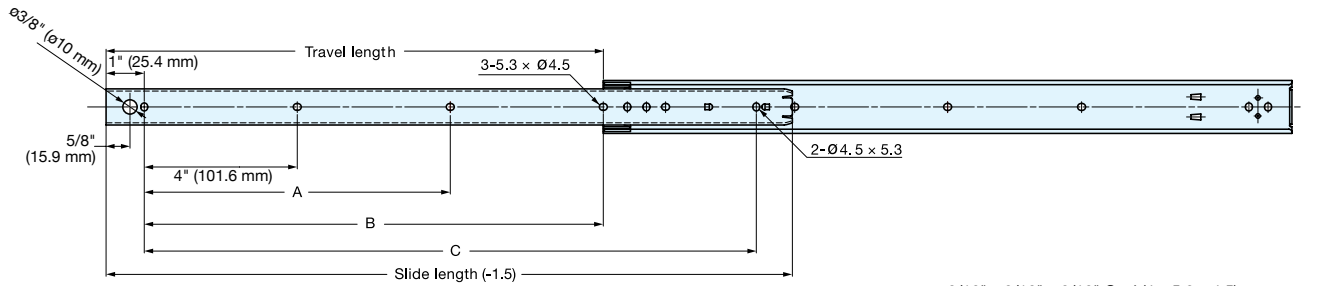
RoHS compliant | STAINLESS 304 STEEL | LOAD RATING 25~49 kg 55~107 lbs | NO SCREW

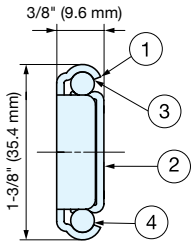
ESR-1

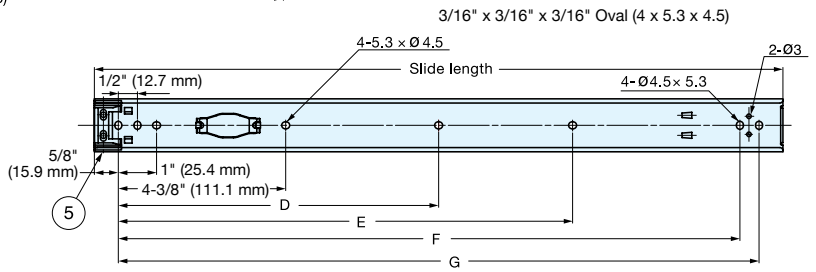


- 3/4 extension.
- Front disconnect.
- Friction brake stop.
- Non-handed.
- Sold by each.
- Mount with M4 or #8 Binding, Pan, or Truss head screws.









25.4 mm=1"

No.	Part	Material
①	Outer Rail	304 Stainless Steel
②	Inner Rail	
③	Retainer	
④	Balls	
⑤	Guide Block	Polyacetal

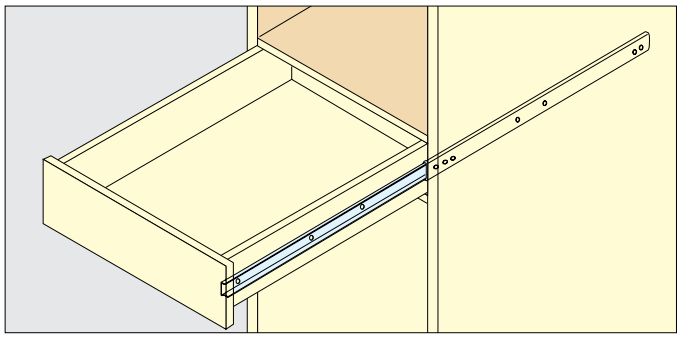
Item No.	Slide Length	Travel Length	A	B	C	D	E	F	G	# of Holes		Load Rating /pair	Weight (g)	Box (pcs)
										Inner Rail	Outer Rail			
ESR-1-12	12" (304.8 mm)	9" (228.6 mm)	-	(152.4)	(254)	-	(149.2)	(260.3)	(273)	4	7	107 lbs (49 kg)	300	30
ESR-1-14	14" (355.6 mm)	11" (279.4 mm)		(203.2)	(304.8)		(200)	(311.1)	(323.8)			103 lbs (47 kg)	360	
ESR-1-16	16" (406.4 mm)	12" (304.8 mm)		(254)	(355.6)		(250.8)	(361.9)	(374.6)			94 lbs (43 kg)	420	
ESR-1-18	18" (457.2 mm)	13" (330.2 mm)	8" (203.2 mm)	(304.8)	(406.4)	(212.7)	(301.6)	(412.7)	(425.4)	5	8	90 lbs (41 kg)	460	
ESR-1-20	20" (508 mm)	15" (381 mm)	9" (228.6 mm)	(355.6)	(457.2)	(238.1)	(352.4)	(463.5)	(476.2)			81 lbs (37 kg)	490	
ESR-1-22	22" (558.8 mm)	16" (406.4 mm)	10" (254 mm)	(406.4)	(508)	(263.5)	(403.2)	(514.3)	(527)			74 lbs (34 kg)	560	
ESR-1-24	24" (609.6 mm)	17" (432.8 mm)	11" (279.4 mm)	(457.2)	(558.8)	(288.9)	(454)	(565.1)	(577.8)			66 lbs (30 kg)	590	
ESR-1-26	26" (660.4 mm)	19" (482.6 mm)	12" (304.8 mm)	(508)	(609.6)	(314.3)	(504.8)	(615.9)	(628.6)			59 lbs (27 kg)	660	
ESR-1-28	28" (711.2 mm)	20" (508 mm)	13" (330.2 mm)	(558.8)	(660.4)	(339.7)	(555.6)	(666.7)	(679.4)			55 lbs (25 kg)	690	

() units in mm.

3/4 EXTENSION SLIDE

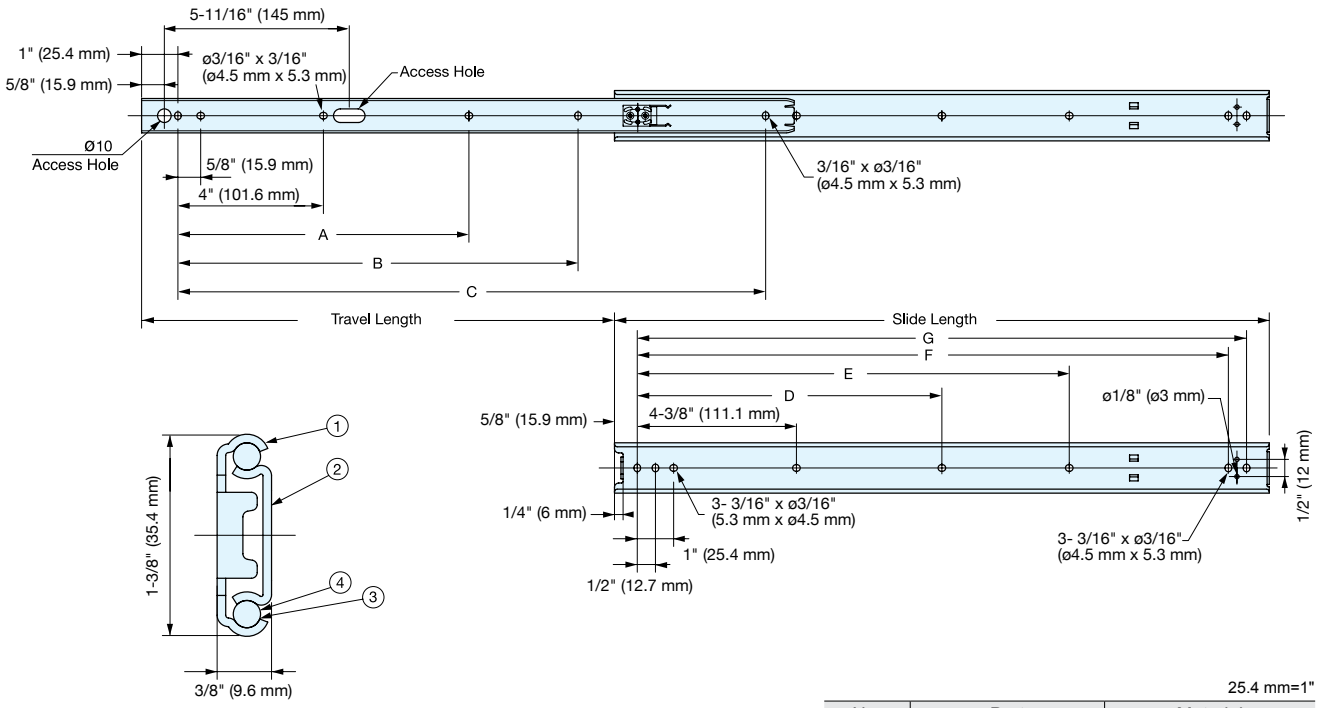
RoHS compliant | STAINLESS 304 STEEL | LOAD RATING 25~49 kg 55~107 lbs | NO SCREW

ESR-13



- 3/4 extension.
- Positive stop.
- Positive catch.
- Non-handed.
- Sold by each.
- Mount with M4 or #8 Binding, Pan, or Truss head screws.





25.4 mm=1"

No.	Part	Material
①	Outer Rail	304 Stainless Steel
②	Inner Rail	
③	Retainer	
④	Balls	

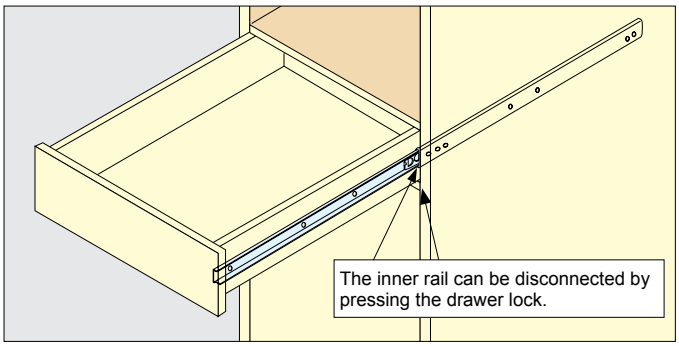
Item No.	Slide Length	Travel Length	A	B	C	D	E	F	G	# of Holes		Load Rating /pair	Weight (g)	Box (pcs)
										Inner Rail	Outer Rail			
ESR-13-12	12" (304.8 mm)	9" (228.6 mm)	-	(177.8)	(258)	-	(149.2)	(260.3)	(273)	4	7	107 lbs (49 kg)	330	30
ESR-13-14	14" (355.6 mm)	11" (279.4 mm)		(228.6)	(308.8)		(200)	(311.1)	(323.8)			103 lbs (47 kg)	380	
ESR-13-16	16" (406.4 mm)	12" (304.8 mm)		(254)	(359.6)		(250.8)	(361.9)	(374.6)			94 lbs (43 kg)	420	
ESR-13-18	18" (457.2 mm)	13" (330.2 mm)	8" (203.2 mm)	(279.4)	(410.4)	(212.7)	(301.6)	(412.7)	(425.4)	5	8	90 lbs (41 kg)	490	
ESR-13-20	20" (508 mm)	15" (381 mm)	9" (228.6 mm)	(330.2)	(461.2)	(238.1)	(352.4)	(463.5)	(476.2)			81 lbs (37 kg)	540	
ESR-13-22	22" (558.8 mm)	16" (406.4 mm)	10" (254 mm)	(355.6)	(512)	(263.5)	(403.2)	(514.3)	(527)			74 lbs (34 kg)	590	
ESR-13-24	24" (609.6 mm)	17" (432.8 mm)	10" (254 mm)	(381)	(562.8)	(288.9)	(454)	(565.1)	(577.8)			66 lbs (30 kg)	630	
ESR-13-26	26" (660.4 mm)	19" (482.6 mm)	10" (254 mm)	(431.8)	(613.6)	(314.3)	(504.8)	(615.9)	(628.6)			59 lbs (27 kg)	680	
ESR-13-28	28" (711.2 mm)	20" (508 mm)	11" (279.4 mm)	(457.2)	(664.4)	(339.7)	(555.6)	(666.7)	(679.4)			55 lbs (25 kg)	750	

() units in mm.

3/4 EXTENSION SLIDE

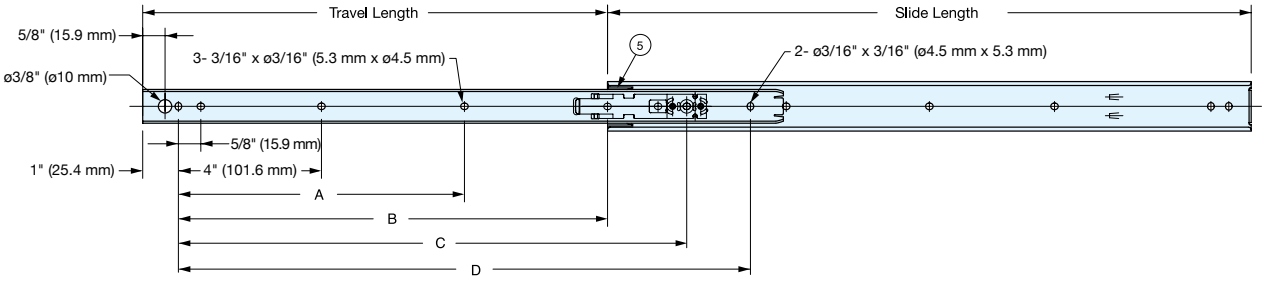
RoHS compliant | STAINLESS 304 STEEL | LOAD RATING 25~49 kg 55~107 lbs | NO SCREW

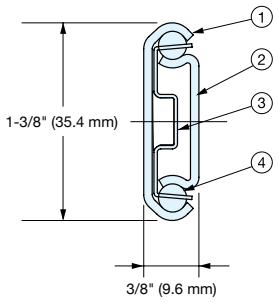
ESR-8

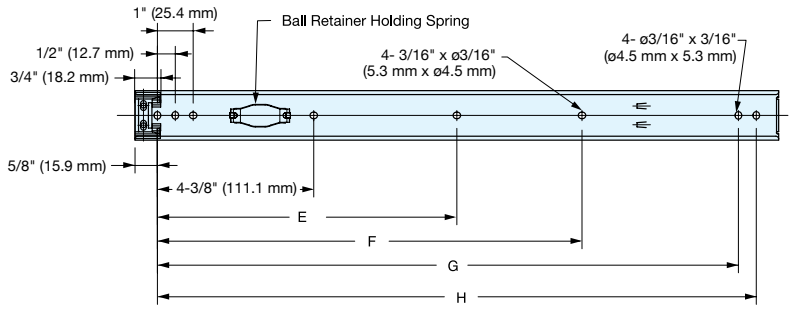


- 3/4 extension.
- Positive lock.
- Front disconnect.
- Non-handed.
- Sold by each.
- Mount with M4 or #8 Binding, Pan, or Truss head screws.









25.4 mm=1"

No.	Part	Material
①	Outer Rail	304 Stainless Steel
②	Inner Rail	
③	Retainer	
④	Balls	
⑤	Guide Block	Polyacetal

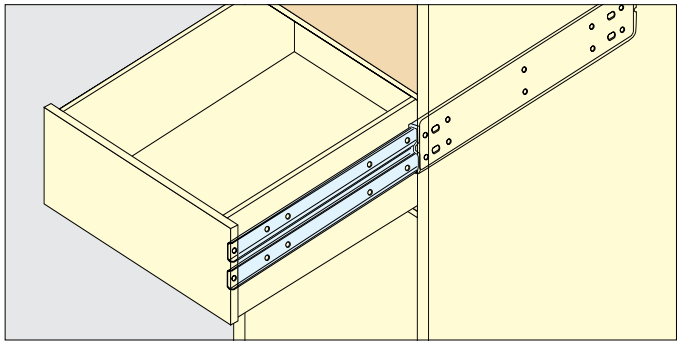
Item No.	Slide Length	Travel Length	A	B	C	D	E	F	G	H	# of Holes		Load Rating /pair	Weight (g)	Box (pcs)
											Inner Rail	Outer Rail			
ESR-8-12	12" (304.8 mm)	9" (228.6 mm)	-	(152.4)	(259.5)	-	-	(149.2)	(260.3)	(273)	4	7	107 lbs (49 kg)	310	20
ESR-8-14	14" (355.6 mm)	11" (279.4 mm)		(203.2)	(310.3)	-		(200)	(311.1)	(323.8)			103 lbs (47 kg)	370	
ESR-8-16	16" (406.4 mm)	12" (304.8 mm)		(203.2)	(335.7)	(355.6)		(250.8)	(361.9)	(374.6)			94 lbs (43 kg)	420	
ESR-8-18	18" (457.2 mm)	13" (330.2 mm)	8" (203.2 mm)	-	(366.1)	(406.4)	(212.7)	(301.6)	(412.7)	(425.4)	5	8	90 lbs (41 kg)	470	
ESR-8-20	20" (508 mm)	15" (381 mm)	9" (228.6 mm)		(411.9)	(457.2)	(238.1)	(352.4)	(463.5)	(476.2)			81 lbs (37 kg)	500	
ESR-8-22	22" (558.8 mm)	16" (406.4 mm)	10" (254 mm)		(437.3)	(508)	(263.5)	(403.2)	(514.3)	(527)			74 lbs (34 kg)	550	
ESR-8-24	24" (609.6 mm)	17" (432.8 mm)	10" (254 mm)		(463.7)	(558.8)	(288.9)	(454)	(565.1)	(577.8)			66 lbs (30 kg)	600	
ESR-8-26	26" (660.4 mm)	19" (482.6 mm)	10" (254 mm)		(513.5)	(609.6)	(314.3)	(504.8)	(615.9)	(628.6)			59 lbs (27 kg)	670	
ESR-8-28	28" (711.2 mm)	20" (508 mm)	11" (279.4 mm)		(558.8)	(660.4)	(339.7)	(555.6)	(666.7)	(679.4)			55 lbs (25 kg)	680	

() units in mm.

3/4 EXTENSION SLIDE

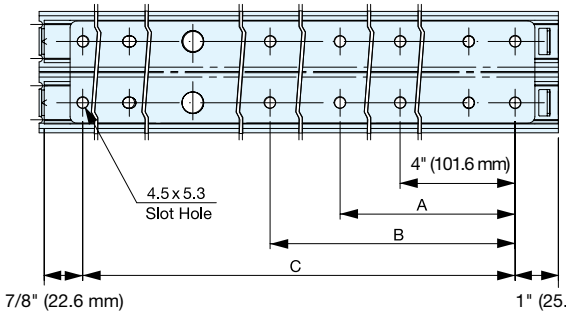
RoHS compliant | STAINLESS 304 STEEL | LOAD RATING 80~114 kg 176~251 lbs | NO SCREW

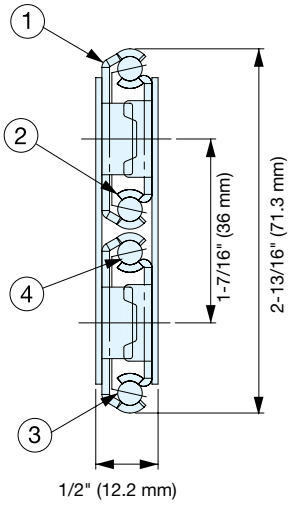
ESR-5

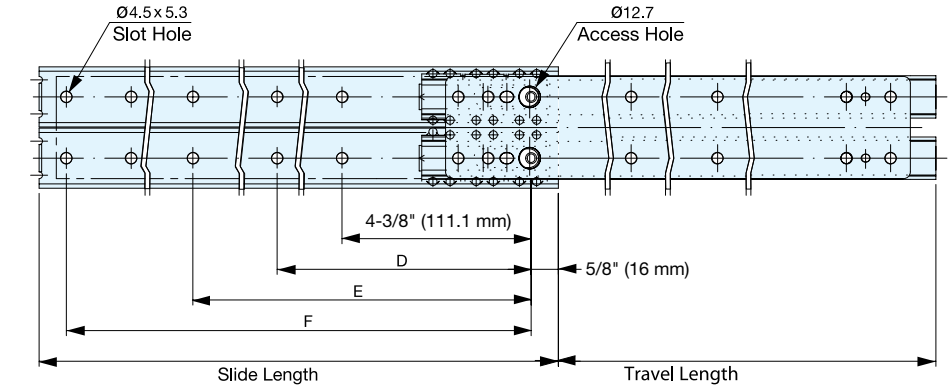


- 3/4 extension.
- Positive stop.
- Non-handed.
- Heavy duty.
- Sold by each.
- Mount with M4 or #8 Binding, Pan, or Truss head screws.









25.4 mm=1"

No.	Part	Material
①	Outer Rail	304 Stainless Steel
②	Inner Rail	
③	Retainer	
④	Balls	

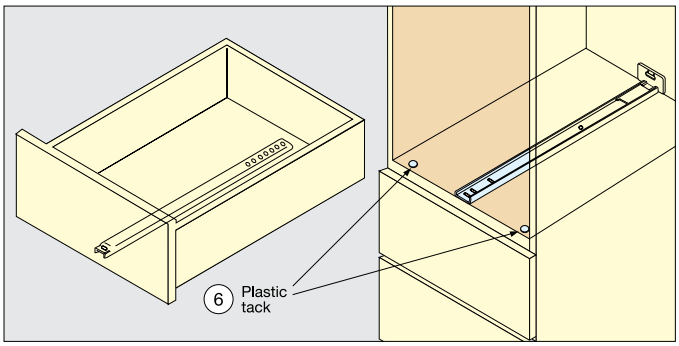
Item No.	Slide Length	Travel Length	A	B	C	D	E	F	# of Holes		Load Rating /pair	Weight (g)	Box (pcs)
									Inner Rail	Outer Rail			
ESR-5-12	12" (305 mm)	8-3/4" (221.8 mm)	-	(152.4)	(254)	-	(149.2)	(273)	6	8	251 lbs (114 kg)	920	12
ESR-5-14	14" (355.8 mm)	10-1/4 (259.9 mm)		(203.2)	(304.8)		(200)	(323.8)			240 lbs (109 kg)	1090	
ESR-5-16	16" (406.6 mm)	11-3/4" (298 mm)		(254)	(355.6)		(250.8)	(374.6)			229 lbs (104 kg)	1250	
ESR-5-18	18" (457.4 mm)	13-3/4" (348.8 mm)	8" (203.2 mm)	(304.8)	(406.4)	(212.7)	(301.6)	(425.4)		10	224 lbs (102 kg)	1500	
ESR-5-20	20" (508.2 mm)	14-1/4" (361.5 mm)	9" (228.6 mm)	(355.6)	(457.2)	(238.1)	(352.4)	(476.2)			218 lbs (99 kg)	1670	
ESR-5-22	22" (559 mm)	16-3/4" (425 mm)	10" (254 mm)	(406.4)	(508)	(263.5)	(403.2)	(527)			207 lbs (94 kg)	1750	
ESR-5-24	24" (609.8 mm)	17-3/4" (450.4 mm)	11" (279.4 mm)	(457.2)	(558.8)	(288.9)	(454)	(577.8)			196 lbs (89 kg)	1920	
ESR-5-26	26" (660.6 mm)	18-1/4" (463.1 mm)	12" (304.8 mm)	(508)	(609.6)	(314.3)	(504.8)	(628.6)			189 lbs (86 kg)	2090	
ESR-5-28	28" (711.4 mm)	19-3/4" (501.2 mm)	13" (330.2 mm)	(558.8)	(660.4)	(339.7)	(555.6)	(679.4)			176 lbs (80 kg)	2250	

() units in mm.

3/4 EXTENSION UNDERMOUNT SLIDE

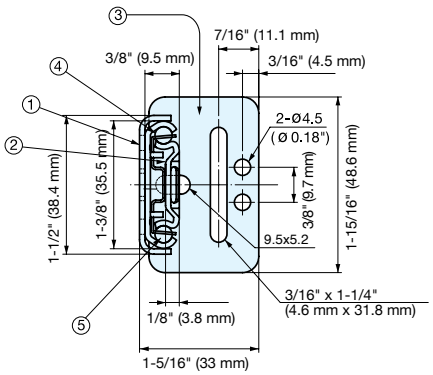
RoHS compliant | STAINLESS 304 STEEL | LOAD RATING 5~8 kg 11~18 lbs | NO SCREW

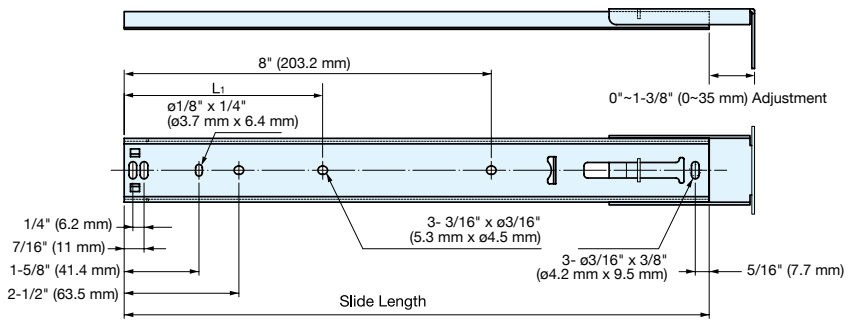
ESR-2

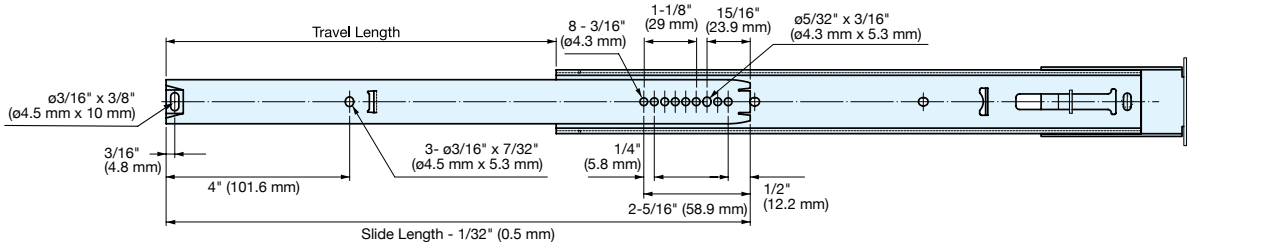


- Under carriage mounting with bracket.
- 3/4 extension.
- Front disconnect.
- Friction brake stop.
- Sold by each.
- Mount with M4 or #8 Binding, Pan, or Truss head screws.
- Two plastic tacks supplied per slide.









25.4 mm=1"

No.	Part	Material
①	Outer Rail	304 Stainless Steel
②	Inner Rail	
③	Bracket	
④	Retainer	
⑤	Balls	
⑥	Plastic Tack	Polyamide

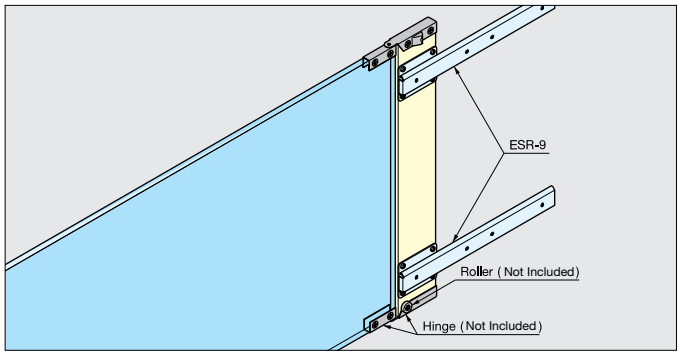
Item No.	Slide Length	Travel Length	L_1	# of Holes		Load Rating /pc	Weight (g)	Box (pcs)
				Inner Rail	Outer Rail			
ESR-2-12	12-3/4" (323.8 mm)	8-1/2" (215.9 mm)	4- 5/16" (109.9 mm)	11	7	18 lbs (8.0 kg)	340	20
ESR-2-14	14-3/4" (374.6 mm)	10-1/2" (266.7 mm)	6-5/16" (160.7 mm)			17 lbs (7.5 kg)	400	
ESR-2-16	16-3/4" (425.4 mm)	12" (304.8 mm)	-		6	15 lbs (7.0 kg)	450	
ESR-2-18	18-3/4" (476.2 mm)	12-1/2" (317.5 mm)	10-5/16" (262.3 mm)		7		490	
ESR-2-20	20-3/4" (527 mm)	14-1/2" (368.3 mm)	12-5/16" (313.1 mm)			14 lbs (6.5 kg)	530	
ESR-2-22	22-3/4" (577.8 mm)	16-1/2" (419.1 mm)	14-5/16" (363.9 mm)			13 lbs (6.0 kg)	630	
ESR-2-24	24-3/4" (628.6 mm)	17-1/2" (444.5 mm)	16-5/16" (414.7 mm)			12 lbs (5.5 kg)	690	
ESR-2-26	26-3/4" (679.4 mm)	19-1/2" (495.3 mm)	18-5/16" (465.5 mm)			11 lbs (5.0 kg)	720	

() units in mm.

LINEAR BALL BEARING GUIDE

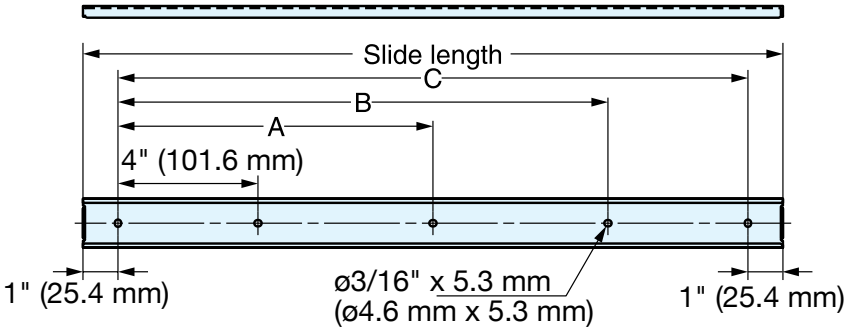
RoHS compliant | STAINLESS 304 STEEL | LOAD RATING 5 kg 11 lbs | NO SCREW

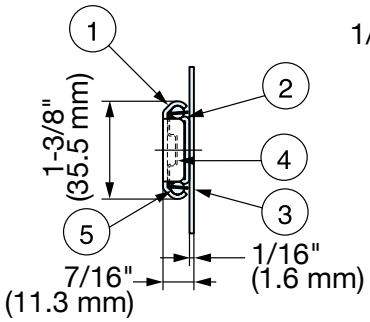
ESR-9

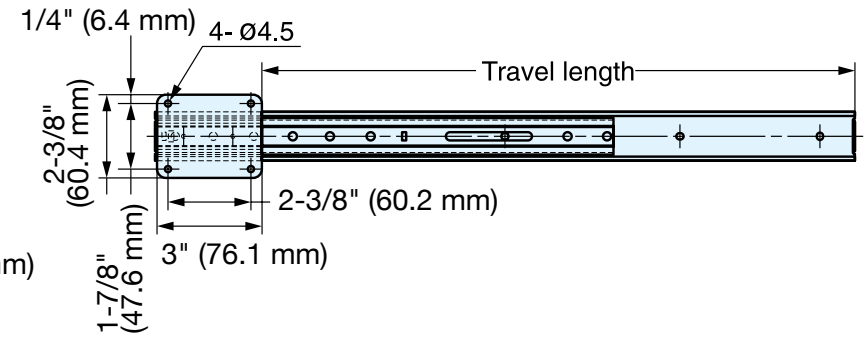


- Non-handed.
- Mounting plate attached.
- Sold by each.
- Mount with M4 or #8 Binding, Pan, or Truss head screws.









25.4 mm=1"

No.	Part	Material
①	Outer Rail	304 Stainless Steel
②	Inner Rail	
③	Mounting Plate	
④	Retainer	
⑤	Balls	

Item No.	Slide Length	Travel Length	A	B	C	# of Holes Outer Rail	Load Rating /pair	Weight (g)	Box (pcs)
ESR-9-12	12" (304.8 mm)	8-7/8" (225 mm)	-	6" (152.4 mm)	10" (254 mm)	4	11 lbs (5 kg)	280	20
ESR-9-14	14" (355.6 mm)	10-7/8" (276 mm)		8" (203.2 mm)	12" (304.8 mm)			310	
ESR-9-16	16" (406.4 mm)	12-7/8" (327 mm)		10" (254 mm)	14" (355.6 mm)			342	
ESR-9-18	18" (457.2 mm)	14-7/8" (378 mm)	8" (203.2 mm)	12" (304.8 mm)	16" (406.4 mm)	5		373	
ESR-9-20	20" (508 mm)	16-7/8" (428 mm)	9" (228.6 mm)	14" (355.6 mm)	18" (457.2 mm)			404	
ESR-9-22	22" (558.8 mm)	18-7/8" (479 mm)	10" (254 mm)	16" (406.4 mm)	20" (508 mm)			441	
ESR-9-24	24" (609.6 mm)	20-7/8" (530 mm)	11" (279.4 mm)	18" (457.2 mm)	22" (558.8 mm)			472	
ESR-9-26	26" (660.4 mm)	22-7/8" (581 mm)	12" (304.8 mm)	20" (508 mm)	24" (609.6 mm)			503	
ESR-9-28	28" (711.2 mm)	24-7/8" (632 mm)	13" (330.2 mm)	22" (558.8 mm)	26" (660.4 mm)			536	

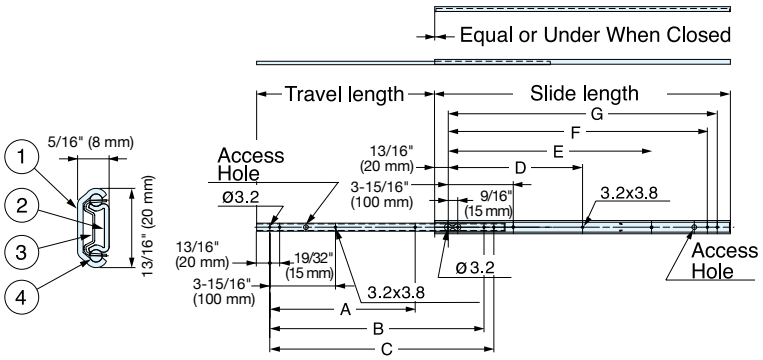
() units in mm.

3/4 EXTENSION SLIDE (Low Profile) ESR-2021

RoHS compliant | STAINLESS 304 STEEL | LOAD RATING 11~16 kg 24~35 lbs | NO SCREW



- 3/4 extension.
- Positive stop.
- Non-handed.
- Requires #4 or M3 pan head screw.
- Sold by each.



No.	Part Name	Material	Finish/Color
①	Outer Rail	304 Stainless Steel	Plain
②	Inner Rail		
③	Retainer		
④	Balls		-

Item No.	Slide Length	Travel Length	A	B	C	D	E	F	G	Load Rating /pair	Box (pcs)
ESR-2021-200	7-7/8" (200 mm)	5-1/4" (134 mm)	-	5-11/16" (145 mm)	(160)	-	-	(145)	(160)	28 lbs (13 kg)	200
ESR-2021-250	9-13/16" (250 mm)	7-1/4" (184 mm)	5-15/16" (150 mm)	7-11/16" (195 mm)	(210)			(195)	(210)	33 lbs (15 kg)	100
ESR-2021-300	11-13/16" (300 mm)	8-13/16" (224 mm)	7-1/2" (190 mm)	9-5/8" (245 mm)	(260)		(160)	(245)	(260)	35 lbs (16 kg)	
ESR-2021-350	13-3/4" (350 mm)	9-5/8" (244 mm)	8-7/8" (225 mm)	11-5/8" (295 mm)	(310)		(210)	(295)	(310)		
ESR-2021-400	15-3/4" (400 mm)	11-9/16" (294 mm)	10-7/16" (265 mm)	13-9/16" (345 mm)	(360)		(260)	(345)	(360)	33 lbs (15 kg)	
ESR-2021-450	17-3/4" (450 mm)	13-1/8" (334 mm)	11-13/16" (300 mm)	15-9/16" (395 mm)	(410)	(205)	(310)	(395)	(410)	28 lbs (13 kg)	
ESR-2021-500	19-11/16" (500 mm)	15-1/8" (384 mm)	13-1/4" (337 mm)	17-1/2" (445 mm)	(460)	(230)	(360)	(445)	(460)	24 lbs (11 kg)	

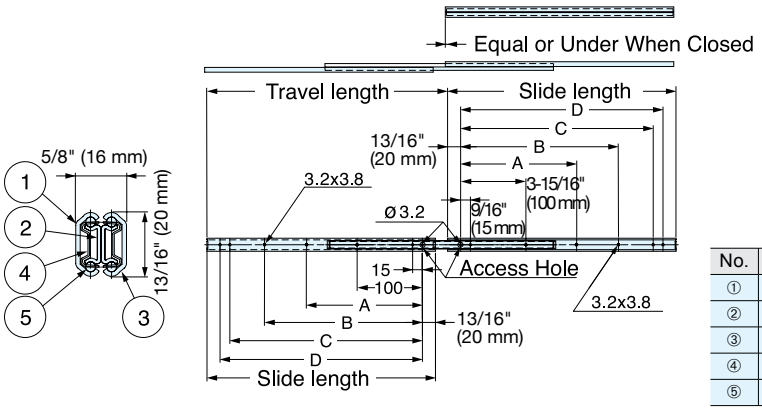
() units in mm.

FULL EXTENSION SLIDE ESR-2031

RoHS compliant | STAINLESS 304 STEEL | LOAD RATING 13~17 kg 28~37 lbs | NO SCREW



- Full extension.
- Positive stop.
- Non-handed.
- Requires #4 or M3 pan head screw.
- Sold by each.



No.	Part Name	Material	Finish/Color
①	Outer Rail	304 Stainless Steel	Plain
②	Intermediate Member		
③	Inner Rail		
④	Retainer		
⑤	Balls		-

Item No.	Slide Length	Travel Length	A	B	C	D	Load Rating /pair	Weight (g/pair)	Box (pcs)
ESR-2031-200	7-7/8" (200 mm)	9" (229 mm)	-	-	(145)	(160)	37 lbs (17 kg)	400	96
ESR-2031-250	9-13/16" (250 mm)	10-9/16" (269 mm)			(195)	(210)		500	48
ESR-2031-300	11-13/16" (300 mm)	12-15/16" (329 mm)		6-5/16" (160 mm)	(245)	(260)		600	
ESR-2031-350	13-3/4" (350 mm)	14-1/2" (369 mm)		8-1/4" (210 mm)	(295)	(310)		700	
ESR-2031-400	15-3/4" (400 mm)	16-7/8" (429 mm)		10-1/4" (260 mm)	(345)	(360)		800	
ESR-2031-450	17-3/4" (450 mm)	18-7/16" (469 mm)	8-1/16" (205 mm)	12-3/16" (310 mm)	(395)	(410)	35 lbs (16 kg)	900	
ESR-2031-500	19-11/16" (500 mm)	20-13/16" (529 mm)	9-1/16" (230 mm)	14-3/16" (360 mm)	(445)	(460)	28 lbs (13 kg)	1000	

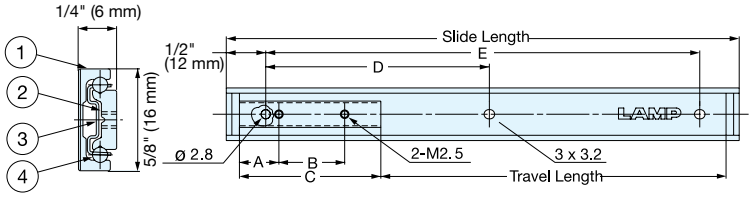
() units in mm.

ALUMINUM MINI GUIDE ARL2-16

RoHS compliant | ALUMINUM | LOAD RATING 0.8~5 kg 1.7~11 lbs | NO SCREW



- Thin profile for various applications.
- Light-weight aluminum body.
- Sold by each.



No.	Part Name	Material	Finish
①	Outer Rail	Aluminum	Anodized
②	Inner Rail		
③	Retainer	Steel	Plain
④	Balls		-

Item No.	Slide Length	Travel Length	A	B	C	D	E	Load Rating /pair [ ]	Load Rating /pair ▬ ▬	Weight (g)	Box (pcs)
ARL2-16-70	2-3/4" (70 mm)	1-3/16" (30 mm)	3/16" (5 mm)	(18)	(28)	-	(46)	4.4 lbs (2 kg)	1.7 lbs (0.8 kg)	13.5	100
ARL2-16-100	3-15/16" (100 mm)	2-1/16" (52 mm)	3/8" (10 mm)	(19)	(39)	(38)	(76)	11.0 lbs (5 kg)	4.0 lbs (1.8 kg)	18.0	
ARL2-16-150	5-15/16" (150 mm)	3-7/8" (99 mm)				(63)	(126)			23.5	

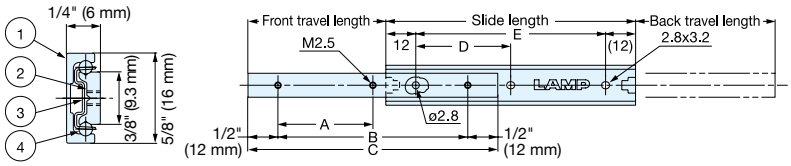
() units in mm.

ALUMINUM MINI SLIDE (2-WAY) ARW2-16

RoHS compliant | ALUMINUM | LOAD RATING 1.1~7 kg 2.4~15.4 lbs | NO SCREW



- Two-way travel.
- Thin profile for various applications.
- Light-weight aluminum body.
- Designed without positive stop for ease of assembly.
- Please add secondary stopper if necessary.
- Sold by each.



No.	Part Name	Material	Finish
①	Outer Rail	Aluminum	Anodized
②	Inner Rail		
③	Retainer	Steel	Plain
④	Balls		-

Item No.	Slide Length	Front Travel Length	Back Travel Length	A	B	C	D	E	Load Rating /pair [ ]	Load Rating /pair ▬ ▬	Weight (g)	Box (pcs)
ARW2-16-70	2-3/4" (70 mm)	1-1/4" (32 mm)	1-1/4" (32 mm)	-	(46)	(70)	-	(46)	6.6 lbs (3 kg)	2.4 lbs (1.1 kg)	15.5	100
ARW2-16-100	3-15/16" (100 mm)	1-9/16" (40 mm)	1-9/16" (40 mm)	(38)	(76)	(100)	(38)	(76)	11 lbs (5 kg)	4.4 lbs (2 kg)	21.5	
ARW2-16-150	5-15/16" (150 mm)	3-1/8" (79 mm)	3-1/8" (79 mm)	(63)	(129)	(150)	(63)	(126)	15.4 lbs (7 kg)	6.8 lbs (3.1 kg)	29.5	

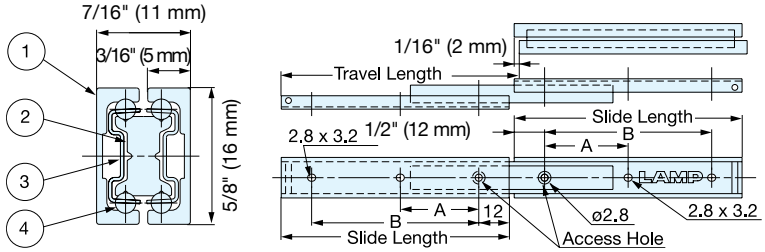
() units in mm.

ALUMINUM MINI SLIDE AR3-16

RoHS compliant | ALUMINUM | LOAD RATING 2~4 kg 4.4~8.8 lbs | NO SCREW



- Full extension.
- Positive stop.
- Thin profile for various applications.
- Light-weight aluminum body.
- Sold by each.



No.	Part Name	Material	Finish
①	Outer Rail	Aluminum	Anodized
②	Inner Rail		
③	Retainer	Steel	Plain
④	Balls		-

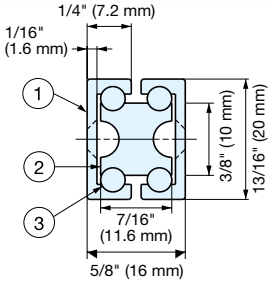
Item No.	Slide Length	Travel Length	A	B	Load Rating /pair	Weight (g)	Box (pcs)
AR3-16-80	3-1/8" (80 mm)	3" (77 mm)	-	2-3/16" (56 mm)	4.4 lbs (2 kg)	31.5	50
AR3-16-100	3-15/16" (100 mm)	4-5/8" (117 mm)	1-1/2" (38 mm)	3" (76 mm)	6.6 lbs (3 kg)	36.0	
AR3-16-150	5-15/16" (150 mm)	5-15/16" (151 mm)	2-1/2" (63 mm)	4-15/16" (126 mm)	8.8 lbs (4 kg)	55.0	

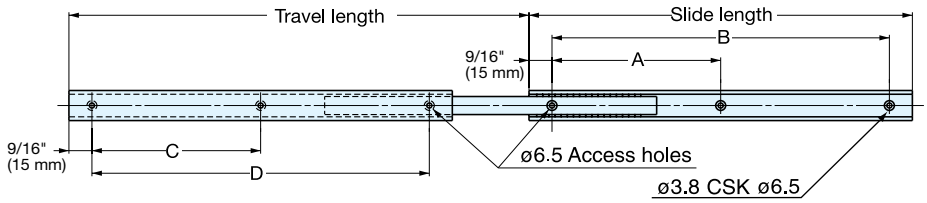
FULL EXTENSION SLIDE

RoHS compliant | ALUMINUM | LOAD RATING 3.1~11.2 kg 7~25 lbs | NO SCREW

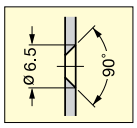
AR3







- Full extension.
- Positive stop.
- Non-handed.
- Sold by each.



Hole Dimension (Outer Rail)

25.4 mm=1"

No.	Part	Material	Finish
①	Outer Rail	Aluminum	Anodized
②	Inner Rail		
③	Balls	Steel	-

Item No.	Slide Length	Travel Length	A	B	C	D	Load Rating /pair	Weight (g)	Box (pcs)
AR3-100	3-15/16" (100 mm)	3-15/16" (100 mm)	-	(70)	-	(70)	25 lbs (11.2 kg)	63	30
AR3-200	7-7/8" (200 mm)	8-3/4" (223 mm)	3-3/8" (85 mm)	(170)	3-3/8" (85 mm)	(170)	20 lbs (9.2 kg)	128	
AR3-300	11-13/16" (300 mm)	13-9/16" (345 mm)	5-5/16" (135 mm)	(270)	5-5/16" (135 mm)	(270)	16 lbs (7.1 kg)	194	
AR3-400	15-3/4" (400 mm)	18-1/8" (460 mm)	7-1/4" (185 mm)	(370)	7-1/4" (185 mm)	(370)	11 lbs (5.1 kg)	260	20
AR3-500	19-11/16" (500 mm)	22-11/16" (576 mm)	9-1/4" (235 mm)	(470)	9-1/4" (235 mm)	(470)	7 lbs (3.1 kg)	325	

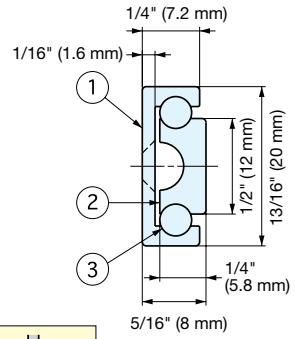
() units in mm.

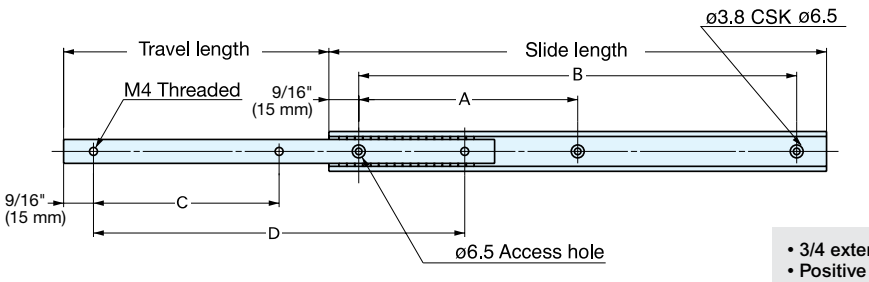
3/4 EXTENSION SLIDE

RoHS compliant | ALUMINUM | LOAD RATING 8.2~15.3 kg 18~34 lbs | NO SCREW

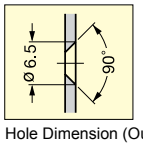
AR2







- 3/4 extension.
- Positive stop.
- Non-handed.
- Sold by each.



Hole Dimension (Outer Rail)

25.4 mm=1"

No.	Part	Material	Finish
①	Outer Rail	Aluminum	Anodized
②	Inner Rail		
③	Balls	Steel	-

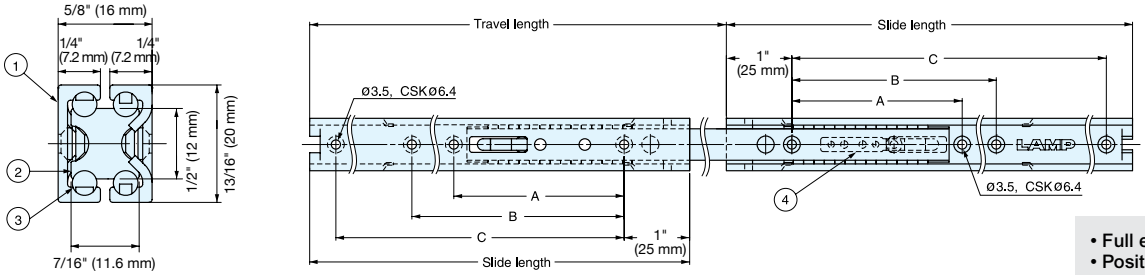
Item No.	Slide Length	Travel Length	A	B	C	D	Load Rating /pair	Weight (g)	Box (pcs)
AR2-100	3-15/16" (100 mm)	2-23/64" (60 mm)	-	70	-	70	34 lbs (15.3 kg)	31	50
AR2-200	7-7/8" (200 mm)	4-3/4" (120 mm)	3-3/8" (85 mm)	170	3-3/8" (85 mm)	170	27 lbs (12.2 kg)	63	
AR2-300	11-13/16" (300 mm)	7-1/16" (180 mm)	5-5/16" (135 mm)	270	5-5/16" (135 mm)	270	22 lbs (10.2 kg)	76	
AR2-400	15-3/4" (400 mm)	9-7/16" (240 mm)	7-1/4" (185 mm)	370	7-1/4" (185 mm)	370	20 lbs (9.2 kg)	129	
AR2-500	19-11/16" (500 mm)	11-13/16" (300 mm)	9-1/4" (235 mm)	470	9-1/4" (235 mm)	470	18 lbs (8.2 kg)	161	

() units in mm.

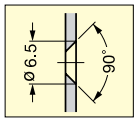
FULL EXTENSION SLIDE (W/HOLD-OUT DETENT) AR3-K

ALUMINUM | LOAD RATING 8.7~10.7 kg 19~23 lbs | NO SCREW





- Full extension.
- Positive stop.
- Non-handed.
- Hold-out detent.
- Sold by each.



Hole Dimension (Outer Rail)

25.4 mm=1"

No.	Part	Material	Finish
①	Outer Rail	Aluminum	Anodized
②	Inner Rail		
③	Balls	Steel	-
④	Detent Catch	304 Stainless Steel	-

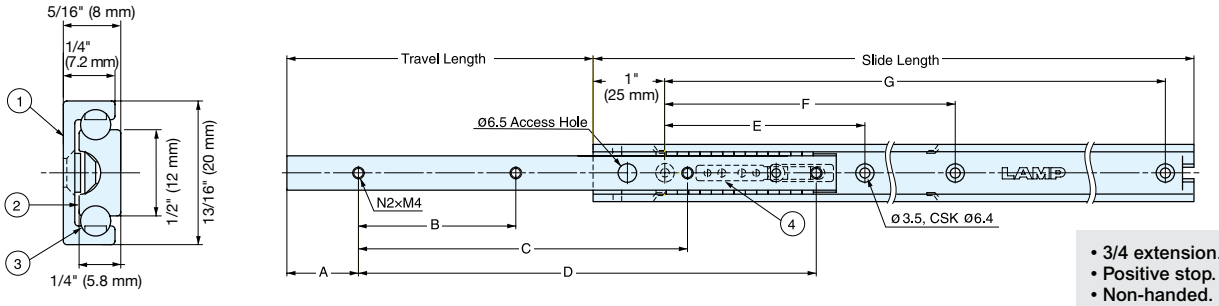
Item No.	Slide Length	Travel Length	A	B	C	Load Rating /pair	Weight (g)	Box (pcs)
AR3-K200	7-7/8" (200 mm)	8-7/16" (214 mm)	5-15/16" (150 mm)	-	-	23 lbs (10.7 kg)	130	30
AR3-K300	11-13/16" (300 mm)	12-3/8" (314 mm)	5-1/8" (130 mm)	9-13/16" (250 mm)	-	22 lbs (10.2 kg)	198	
AR3-K400	15-3/4" (400 mm)	16-5/16" (414 mm)		11" (280 mm)	13-3/4" (350 mm)	20 lbs (9.2 kg)	263	20
AR3-K500	19-11/16" (500 mm)	20-1/4" (514 mm)			17-3/4" (450 mm)	19 lbs (8.7 kg)	304	

() units in mm.

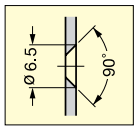
3/4 EXTENSION SLIDE (W/HOLD-OUT DETENT) AR2-K

ALUMINUM | LOAD RATING 8.7~12.7 kg 19~28 lbs | NO SCREW





- 3/4 extension.
- Positive stop.
- Non-handed.
- Hold-out detent.
- Sold by each.



Hole Dimension (Outer Rail)

25.4 mm=1"

No.	Part	Material	Finish
①	Outer Rail	Aluminum	Anodized
②	Inner Rail		
③	Balls	Steel	-
④	Detent Catch	304 Stainless Steel	-

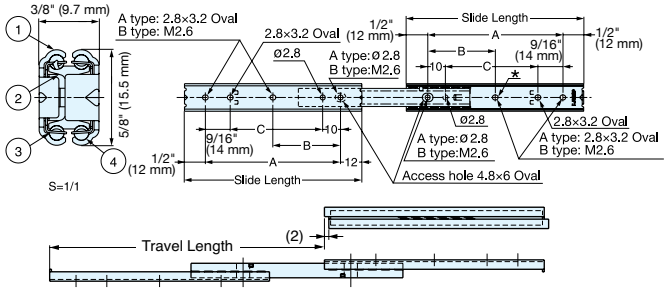
Item No.	Slide Length	Travel Length	A	B	C	D	E	F	G	Load Rating /pair	Weight (g)	Box (pcs)
AR2-K200	7-7/8" (200 mm)	4-7/16" (110 mm)	1" (25 mm)	(60)	(160)	-	(150)	-	-	28 lbs (12.7 kg)	64	50
AR2-K300	11-13/16" (300 mm)	6-11/16" (170 mm)	1-3/4" (45 mm)	(100)	(230)	-	(130)	(250)	-	25 lbs (11.2 kg)	97	
AR2-K400	15-3/4" (400 mm)	9-1/16" (230 mm)	1-3/4" (45 mm)	(150)	(270)	(330)	(130)	(280)	(350)	21 lbs (9.7 kg)	130	
AR2-K500	19-11/16" (500 mm)	11-7/16" (290 mm)	1-3/4" (45 mm)	(190)	(340)	(430)	(130)	(280)	(450)	19 lbs (8.7 kg)	162	

() units in mm.

FULL EXTENSION MINI SLIDE

RoHS compliant | STAINLESS 304 STEEL | LOAD RATING 10~12 kg 22~26 lbs

SCR3



- Full extension.
- High precision design.
- Thin profile for various applications.
- Types with slide length 3-1/8" (80 mm) have no holes marked with (*)



B type shown.

Item No.	Holes	Slide Length	Travel Length	A	B	C	Load Capacity /pair	Weight (g)	Box (pcs)	Carton (pcs)
SCR3-15-80A	A Type (Through Hole)	3-1/8" (80 mm)	3-13/16" (97 mm)	(56)	-	(32)	22 lbs (10 kg)	36	50	200
SCR3-15-100A		3-15/16" (100 mm)	4-15/16" (125 mm)	(76)	(38)	(52)	24.2 lbs (11 kg)	45		
SCR3-15-150A		5-7/8" (150 mm)	6-15/16" (177 mm)	(126)	(63)	(102)	26.4 lbs (12 kg)	70		
SCR3-15-80B	B Type (Screw Hole)	3-1/8" (80 mm)	3-13/16" (97 mm)	(56)	-	(32)	22 lbs (10 kg)	36		
SCR3-15-100B		3-15/16" (100 mm)	4-15/16" (125 mm)	(76)	(38)	(52)	24.2 lbs (11 kg)	45		
SCR3-15-150B		5-7/8" (150 mm)	6-15/16" (177 mm)	(126)	(63)	(102)	26.4 lbs (12 kg)	70		

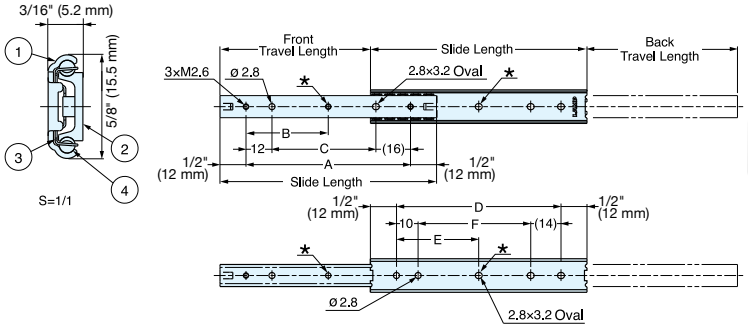
No.	Part Name	Material
①	Outer Rail	304 Stainless Steel
②	Inner Rail	
③	Retainer	
④	Balls	Steel

() units in mm.

3/4 EXTENSION MINI SLIDE (2-WAY)

RoHS compliant | STAINLESS 304 STEEL | LOAD RATING 14~18 kg 30~40 lbs

SCRW2



- Two-way travel.
- Thin profile for various applications.
- Types with slide length 3-1/8" (80 mm) have no holes marked with (*)



No.	Part Name	Material
①	Outer Rail	304 Stainless Steel
②	Inner Rail	
③	Retainer	
④	Balls	Steel

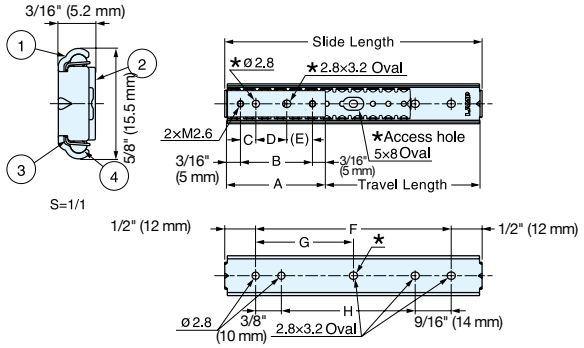
Item No.	Slide Length	Front Travel Length	Back Travel Length	A	B	C	D	E	F	Load Capacity /pair	Weight (g)	Box (pcs)	Carton (pcs)
SCRW2-15-80A	3-1/8" (80 mm)	1-7/8" (48.5 mm)	1-7/8" (48.5 mm)	(56)	-	(28)	(56)	-	(32)	30.8 lbs (14 kg)	21	200	400
SCRW2-15-100A	3-15/16" (100 mm)	2-11/16" (68.5 mm)	2-11/16" (68.5 mm)	(76)	(38)	(48)	(76)	(38)	(52)	35.2 lbs (16 kg)	26		
SCRW2-15-150A	5-7/8" (150 mm)	3-3/4" (94.5 mm)	3-3/4" (94.5 mm)	(126)	(63)	(98)	(126)	(63)	(102)	39.6 lbs (18 kg)	41	100	200

() units in mm.

STAINLESS STEEL MINI GUIDE

RoHS compliant | STAINLESS 304 STEEL | LOAD RATING 18~24 kg 40~53 lbs

SCRL2



- Thin profile for various applications.
- Types with slide length 3-1/8" (80 mm) have no holes marked with (*)



No.	Part Name	Material
①	Outer Rail	304 Stainless Steel
②	Inner Rail	
③	Retainer	
④	Balls	Steel

Item No.	Slide Length	Travel Length	A	B	C	D	E	F	G	H	Load Capacity kgf/pair	Weight (g/pc)	Box (pcs)	Carton (pcs)
SCRL2-15-80A	3-1/8" (80 mm)	1-7/8" (49 mm)	(28)	(18)	-	-	-	(56)	-	(32)	18 (39.6 lbs)	16	50	200
SCRL2-15-100A	3-15/16" (100 mm)	2-5/16" (59 mm)	(38)	(28)	(6)	(12)	(10)	(76)	(38)	(52)	21 (46.2 lbs)	20		
SCRL2-15-150A	5-7/8" (150 mm)	4-5/16" (109 mm)						(126)	(63)	(102)		29		
SCRL2-15-200A	7-7/8" (200 mm)	5-7/8" (149 mm)	(48)	(38)	(10)	(14)	(14)	(176)	(88)	(152)	24 (52.9 lbs)	38		

() units in mm.

ULTRA MINI GUIDE RAIL

RoHS compliant | ALUMINUM

MRS-15

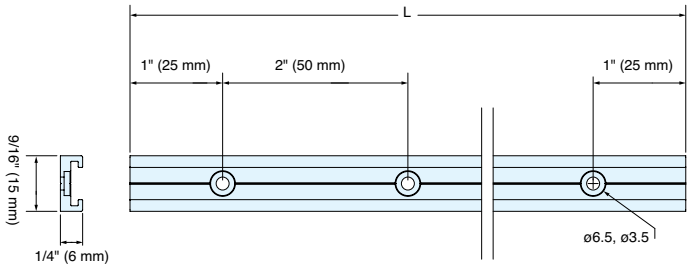


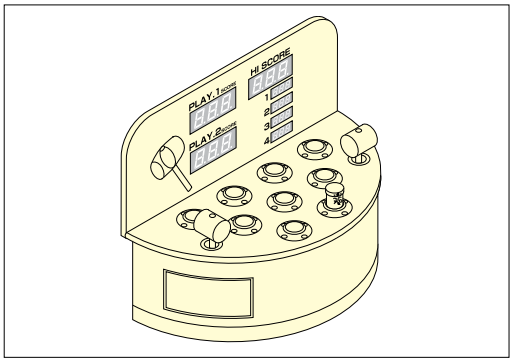
MRS-15



MRS15 with MR-15CS Mini Guide Block (sold seperately).

- Perfect for small stroke application.
- Polyethylene resin with excellent sliding properties eliminates the need for grease or oil.
- Polyethylene resin has a high chemical resistance.
- UL94 HB grade flame retardant.
- Block and rail sold separately.



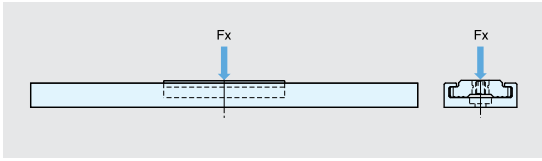


Item No.	L	N	Weight (g)	Box (pcs)
MRS15-100	3-15/16" (100 mm)	2	14.5	200
MRS15-200	7-7/8" (200 mm)	4	29.0	200
MRS15-400	15-3/4" (400 mm)	8	58.0	100
MRS15-800	31-1/2" (800 mm)	16	117.0	80

Material	Finish
Aluminum	Anodized

*Both ends of rail are not anodized.

MRS 15, MR-15CS LOAD RATING INFORMATION



Horizontal Static Load Fx	10.2 kgf (22.48 lbs)
Vertical Static Load Fy	3.0 kgf (6.61 lbs)

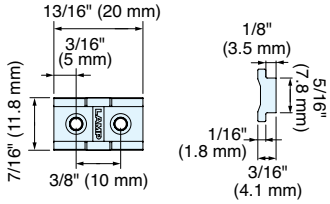
Certain reduction needs to be applied depending on application or environment.
Low speed/Low operation frequency = 70% to 100% of Load Rating
Moderate speed/High operation frequency = 35% to 65% of Load Rating
High operation frequency with Vibration & Shocks = 10% to 30% of Load Rating

(ULTRA) MINI GUIDE BLOCK

RoHS compliant

MRS-15CS





Item No.	Weight (g)	Box (pcs)	Carton(pcs)
MR-15CS	1	150	1000

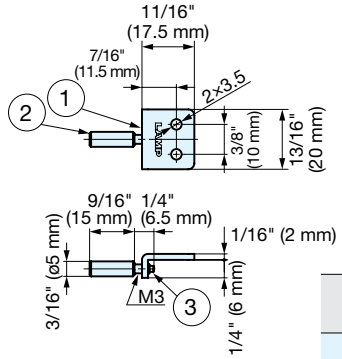
No.	Material	Finish
①	Polyethylene (UL 94HB)	Grey
②	304 Stainless Steel	Plain

CLAMP (FOR MINI GUIDE RAIL MRS)

NO SCREW | STAINLESS 303 STEEL | STAINLESS 304 STEEL

MRS-15CLP





- Clamp used for temporary holding and positioning for mini guide rail MRS.
- Easy to fix in place by simply pushing on the sides of the rail.
- Threaded knob for easy use.

No.	Material	Material	Finish
①	Plate	304 Stainless Steel	Barrel Polished
②	Knob Body	303 Stainless Steel	Plain
③	Knob Tip	Polyacetal (POM)	Black

Item No.	Retaining Force N (reference value)	Knob Tightening Torque N·m	Weight (g)
MR-15CLP	7 or below	0.05 or below	8.6

MINI GUIDE BLOCK & RAIL

RoHS compliant | ALUMINUM | NO SCREW

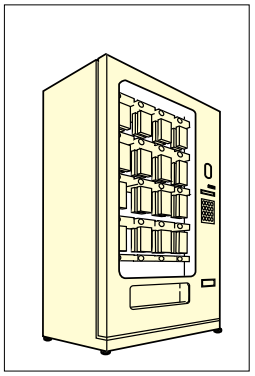
MRS20, MR-20CS

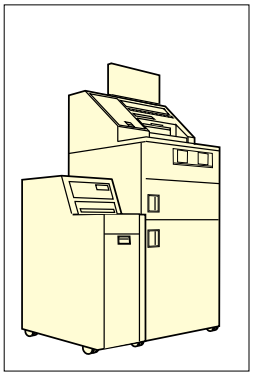
- Perfect for small stroke application.
- No lubricant (P. 415,416,417) needed.

* Block and Rail sold separately.

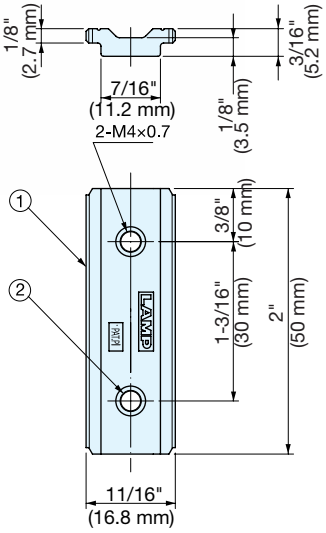


MR-20CS

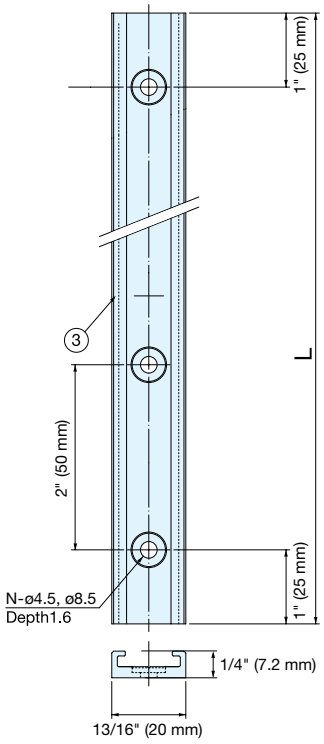




Installation



MR-20CS



■ Rail

25.4 mm=1"

Item No.	L	N	Weight (g)	Box (pcs)
MRS20-100	3-15/16" (100 mm)	2	20	200
MRS20-200	7-7/8" (200 mm)	4	40	
MRS20-400	15-3/4" (400 mm)	8	80	100
MRS20-800	31-1/2" (800 mm)	16	160	80
MRS20-2000	78-3/4" (2000 mm)	40	400	30

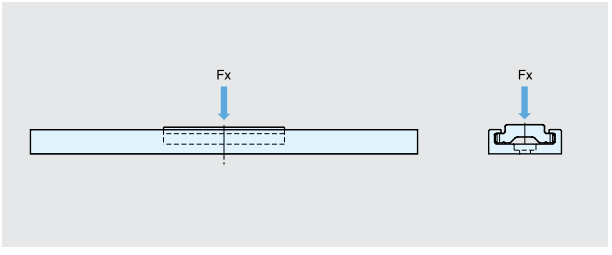
*Both ends of rail are not anodized.

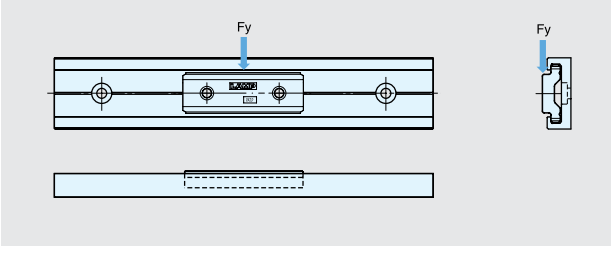
No.	Material	Finish
①	Polyethylene (UL 94HB)	Grey
②	304 Stainless Steel	Plain
③	Aluminum	Anodized

■ Block

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
MR-20CS	6	50	1000

MRS 20, MR-20CS LOAD RATING INFORMATION





Horizontal Static Load Fx	67.5 lbs (30.6 kg)
Vertical Static Load Fy	39.2 lbs (17.8 kg)

◆ Reduction Factor

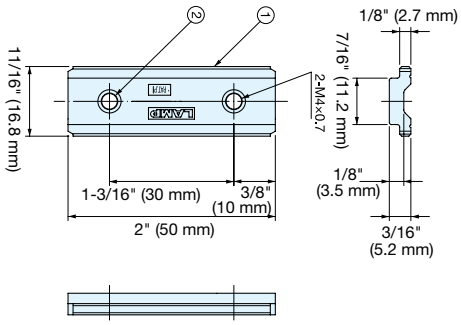
Certain reduction needs to be applied depending on application or environment.
Low speed/Low operation frequency = 70% to 100% of Load Rating
Moderate speed/High operation frequency = 35% to 65% of Load Rating
High operation frequency with Vibration & Shocks = 10% to 30% of Load Rating

MINI GUIDE BLOCK

STAINLESS 304 STEEL RoHS compliant

MR-20CS





- Polyethylene resin with excellent sliding properties eliminates the need for grease or oil.
- Polyethylene resin has a high chemical resistance.
- UL94 HB grade flame resistance.

Item No.	Weight (g)	Box (pcs)	Carton(pcs)
MR-20CS	7	50	1000

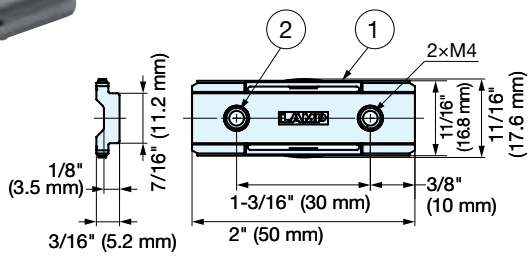
No.	Material	Finish
①	Polyethylene (UL 94HB)	Grey
②	304 Stainless Steel	Plain

MINI GUIDE BLOCK (PRELOAD TYPE)

STAINLESS 304 STEEL RoHS compliant

MR-20CNB





- Preload type minimizes rattling, maintains accuracy.
- Polyethylene resin with excellent sliding properties eliminates the need for grease or oil.
- Polyethylene resin has a high chemical resistance.
- UL94 HB grade flame resistance.

Item No.	Weight (g)
MR-20CNB	5

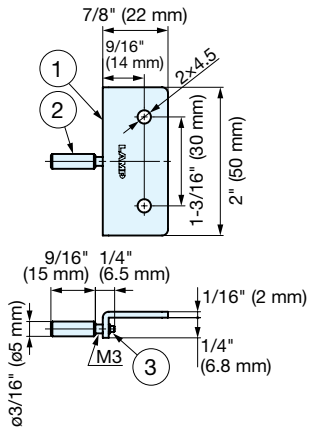
No.	Material	Finish
①	High Sliding Grade Polyethylene	Grey
②	304 Stainless Steel	Plain

MINI GUIDE CLAMP

STAINLESS 303 STEEL STAINLESS 304 STEEL NO SCREW RoHS compliant

MR-20CLP





- Clamp used for temporary holding and positioning for mini guide rail MRS.
- Easy to fix in place by simply pushing on the sides of the rail.
- Threaded knob for easy use.

Item No.	Retaining Force N (reference value)	Knob Tightening Torque N·m	Weight (g)
MR-20CLP	7 or below	0.05 or below	22.6

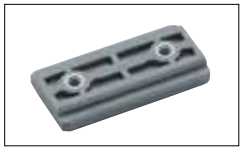
No.	Material	Material	Finish
①	Plate	304 Stainless Steel	Barrel Polished
②	Knob Body	303 Stainless Steel	Plain
③	Knob Tip	Polyacetal (POM)	Black

GUIDE BLOCK & RAIL

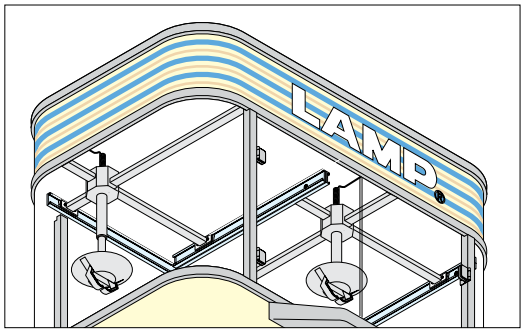
RoHS COMPLIANT ALUMINUM NO SCREW

MRS30, MR-30CS

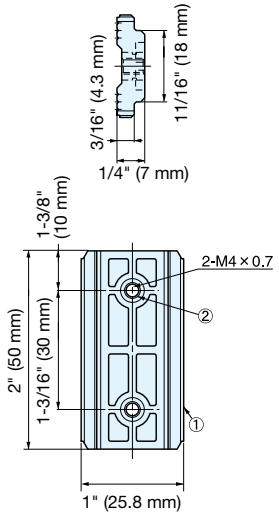
- Perfect for small stroke application.
- No lubricant (P415,416,417) needed.
- * Block and Rail sold separately.
- * MR-30CS formerly MR-50C



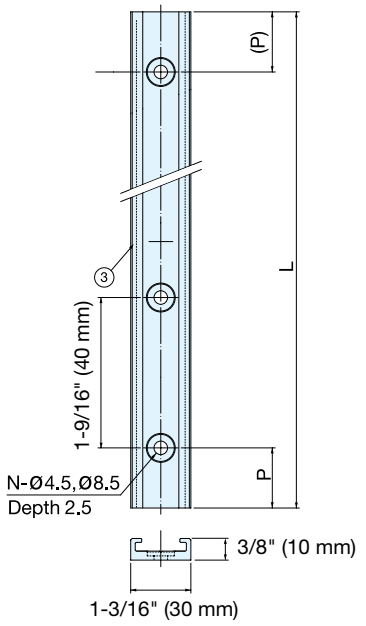
MR-30CS



Installation



MR-30CS



■ Rail

25.4mm=1"

Item No.	L	P	N	Weight (g)	Box (pcs)
MRS30-100	3-15/16" (100 mm)	3/8" (10 mm)	3	39	200
MRS30-200	7-7/8" (200 mm)	25/32" (20 mm)	5	79	100
MRS30-400	15-3/4" (400 mm)		10	159	50
MRS30-800	31-1/2" (800 mm)		20	312	40
MRS30-2000	78-3/4" (2000 mm)		50	790	15

*Both ends of rail are not anodized.

No.	Material	Finish
①	Polyethylene (UL 94HB)	Grey
②	304 Stainless Steel	Plain
③	Aluminum	Anodized

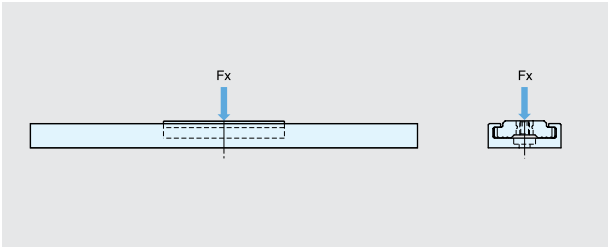
■ Block

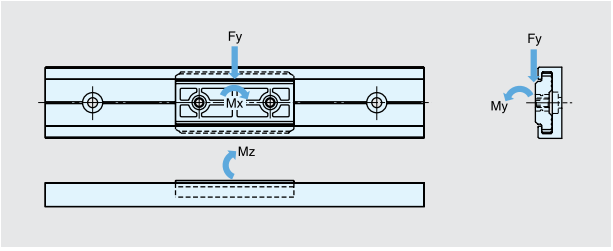
Item No.	Weight (g)	Box (pcs)	Carton (pcs)
MR-30CS	7	50	1000

MRS 30, MR-30CS LOAD RATING INFORMATION

Dynamic Friction Coefficient:1

Maximum PV (Pressure (kgf-mm^2) × Velocity (m/min.)) = 3.06





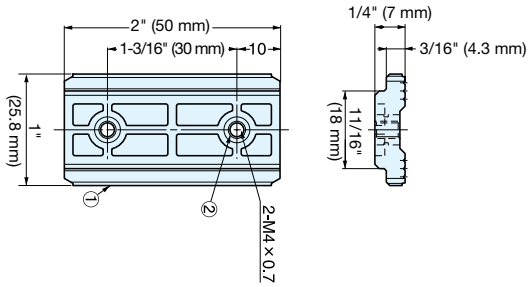
Horizontal Static Load Fx	57.2 lbs (26.0 kg)
Vertical Static Load Fy	33.0 lbs (15.0 kg)
Vertical Dynamic Load Mx	21.6 lbs·in (25.0 kg·cm)
Horizontal Dynamic Load My	10.8 lbs·in (12.5 kg·cm)
Horizontal Dynamic Load Mz	10.8 lbs·in (12.5 kg·cm)

◆ Reduction Factor

Certain reduction needs to be applied depending on application or environment.
Low speed/Low operation frequency = 70% to 100% of Load Rating
Moderate speed/High operation frequency = 35% to 65% of Load Rating
High operation frequency with Vibration & Shocks = 10% to 30% of Load Rating

MINI GUIDE BLOCK MR-50C





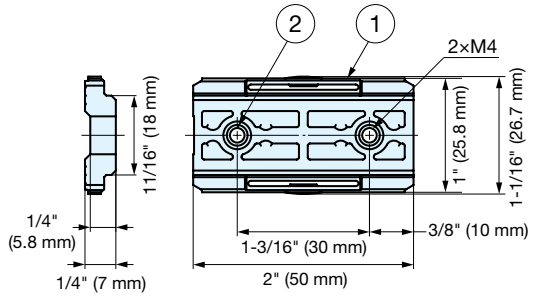
- Polyethylene resin with excellent sliding properties eliminates the need for grease or oil.
- Polyethylene resin has a high chemical resistance.
- UL94 HB grade flame resistance.

Item No.	Weight (g)	Box (pcs)	Carton(pcs)
MR-50C	7	50	1000

No.	Material	Finish
①	Polyethylene (UL 94HB)	Grey
②	304 Stainless Steel	Plain

MINI GUIDE BLOCK (PRELOAD TYPE) MR-30CNB





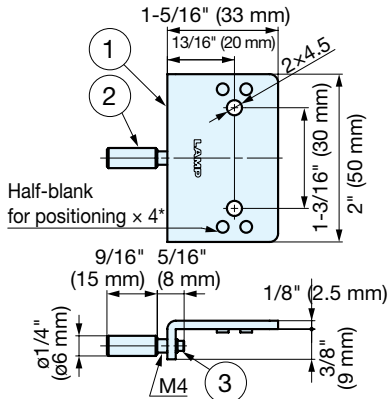
- Preload type minimizes rattling, maintains accuracy.
- Polyethylene resin with excellent sliding properties eliminates the need for grease or oil.
- Polyethylene resin has a high chemical resistance.
- UL94 HB grade flame resistance.

Item No.	Weight (g)
MR-50C	7

No.	Material	Finish
①	High Sliding Grade Polyethylene	Grey
②	304 Stainless Steel	Plain

MINI GUIDE BLOCK (PRELOAD TYPE) MR-30CLP





- Clamp used for temporary holding and positioning for mini guide rail MRS.
- Easy to fix in place by simply pushing on the sides of the rail.
- Threaded knob for easy use.

Item No.	Retaining Force N (reference value)	Knob Tightening Torque N·m	Weight (g)
MR-30CLP	14 or below	0.1 or below	40.8

No.	Material	Material	Finish
①	Plate	304 Stainless Steel	Barrel Polished
②	Knob Body	303 Stainless Steel	Plain
③	Knob Tip	Polyacetal (POM)	Black

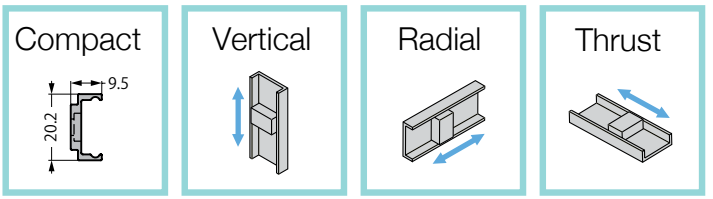
MULTI-ROLLER LINEAR SLIDE SYSTEM

RoHS compliant | ALUMINUM | NO SCREW

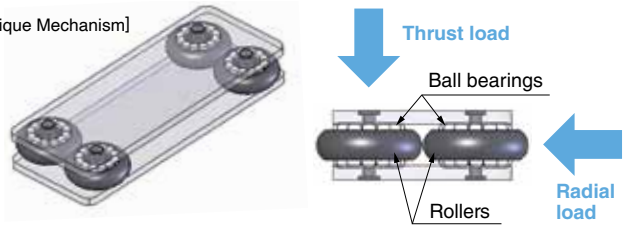
MLG



- Allows for smooth movement with the unique mechanism called "multi-roller".
- Please use with stoppers.
- The finish of the mounting holes and the rail edge is plain.
- Ideal for Medical equipment, food machine, amusement machine, analytical instruments applications



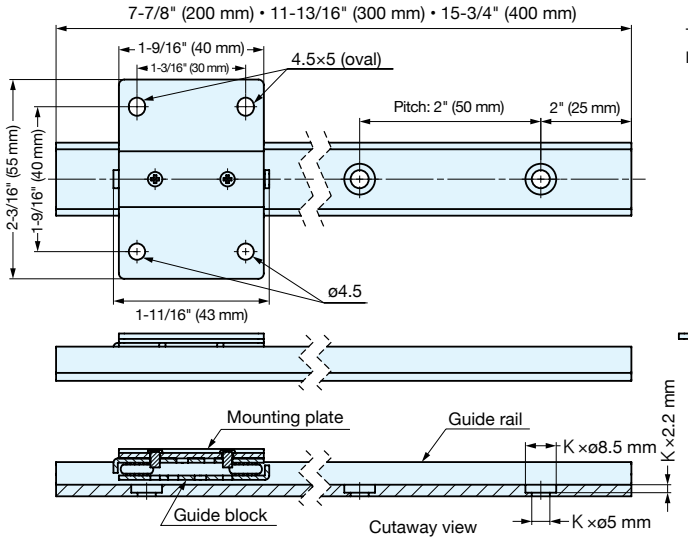
[The Unique Mechanism]

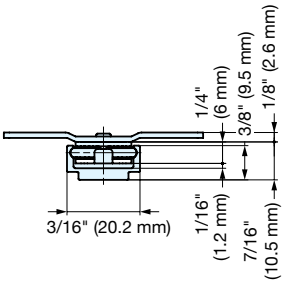


The multi-roller mechanism makes it possible to have smooth movements even with loads applied in radial or thrust directions.

[Combination Drawings]

The guide rail, guide block, and mouting plate are used.





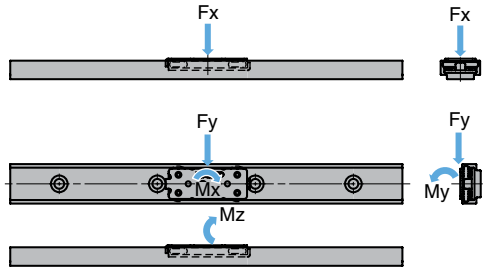
[Rated Load Reference Values] The rated load refers to the load limit .

- Max. load = Static rated load × Static safety coefficient
- Operating load = Max. load × Dynamic safety coefficient
- Max. moment = Static rated moment × Static safety coefficient
- Operating moment = Max. moment × Static safety coefficient

Use Conditions	Static Safety Coefficient	Dynamic Safety Coefficient
Low movement frequency with gentle movement	0.4~0.5	0.9~1.0
High movement frequency with smooth movement	0.3~0.4	0.6~0.8
High movement frequency with vibration or impact	0.2~0.3	0.3~0.5

Item Name	Horizontal Static Rated Load Fx		Vertical Static Rated Load Fy	
	N	kgf	N	kgf
MLG-20C	40	4.0	40	4.0

Item Name	Vertical Static Rated Moment Mx		Horizontal Static Rated Moment My		Horizontal Static Rated Moment Mz	
	N•m	kgf•cm	N•m	kgf•cm	N•m	kgf•cm
MLG-20C	1.2	12.2	0.4	4.0	0.8	8.1



The calculation formula above is for reference purpose only.
Please comfirm with the actual item before use.

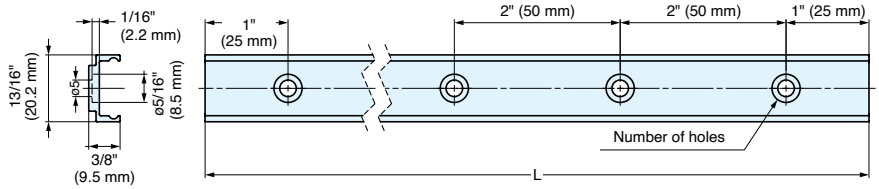
GUIDE RAIL

RoHS compliant · ALUMINUM · NO SCREW

MLG20



• Recommended screw: Hexagon socket bolt M4



Item No.	L	No of Holes	Material	Finish	Weight (g)	Box (pcs)
MLG20-200	7-7/8" (200 mm)	4	Aluminum Alloy	Anodized Silver	36	200
MLG20-300	11-13/16" (300 mm)	6			54	100
MLG20-400	15-3/4" (400 mm)	8			72	50
MLG20-600	23-5/8" (600 mm)	12			108	?
MLG20-800	31-1/2" (800 mm)	16			144	?
MLG20-2000	78-3/4" (2000 mm)	40			359	?

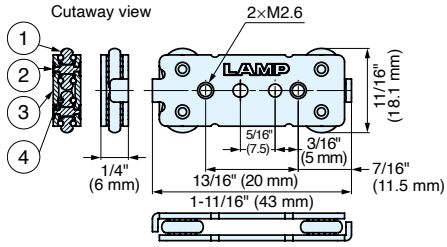
MULTI-ROLLER GUIDE BLOCK

RoHS compliant · ALUMINUM · NO SCREW · STAINLESS 304 STEEL

MLG-20C

• Recommended screw: M2.6
(Max. length: sheet thickness + 3/16" (4 mm)





[Parts Included]
•#0-1 pan head screw M2.6 × 4

[Recommended Screw]
•Screw M4

Item No.	Weight (g)	Box (pcs)
MLG-20C	13	200

No.	Part Name	Material
①	Roller	Plastic
②	Pin	303 Stainless Steel
③	Plate	304 Stainless Steel
④	Ball	Steel

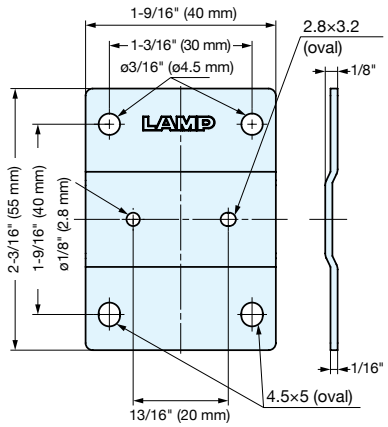
MOUNTING PLATE

RoHS compliant · ALUMINUM · NO SCREW · STAINLESS 304 STEEL

MLG-20-P55-40

• Recommended screw: M4
• #0-1 pan head screw M2.6 × 4 included



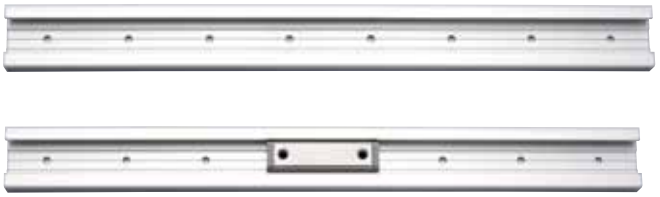


Item No.	Material	Finish	Weight (g)	Box (pcs)
MLG-20-P55-40	304 Stainless Steel	Plain	26	100

MINI GUIDE RAIL

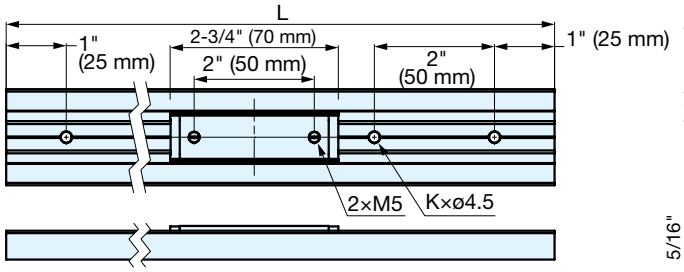
RoHS compliant · ALUMINUM · NO SCREW

MRS40

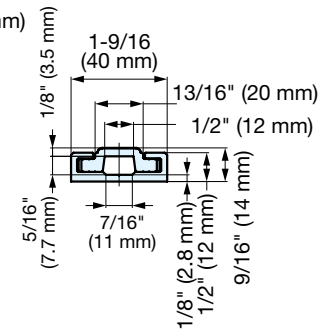


MRS40 with MR-40CS Mini Guide Block (sold seperately).

- Perfect for small stroke application.
- Polyethylene resin with excellent sliding properties eliminates the need for grease or oil.
- Polyethylene resin has a high chemical resistance.
- UL94 HB grade flame retardant.
- Block and rail sold separately.



Combination Dimensions for Guide Rail & Carriage



Item No.	L	N	Weight (g)
MRS20-400	15-3/4" (400 mm)	8	236
MRS20-800	31-1/2" (800 mm)	16	472
MRS40-1200	47-1/4" (1200 mm)	24	708
MRS20-2000	78-3/4" (2000 mm)	40	1180

Material	Finish
Aluminum Alloy	Anodized

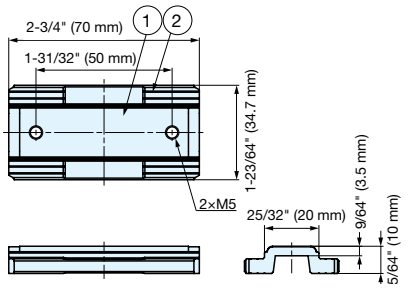
*Both ends are not anodized.

MINI GUIDE BLOCK

STAINLESS 304 STEEL · RoHS compliant

MR-40CS





- Polyethylene resin with excellent sliding properties eliminates the need for grease or oil.
- Polyethylene resin has a high chemical resistance.
- UL94 HB grade flame resistance.

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
MLG-20C	13	200	1000

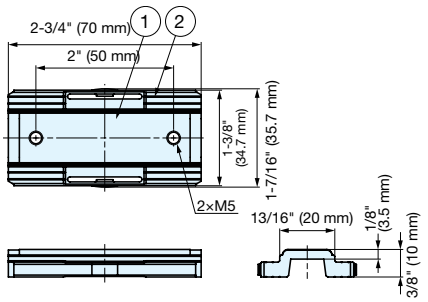
No.	Material	Finish
①	304 Stainless Steel	Plain
②	High Sliding Grade Polyethylene	Grey

MINI GUIDE CARRIAGE (PRELOAD TYPE)

STAINLESS 304 STEEL

MR-40CNB





- Preload type minimizes rattling, maintains accuracy.
- Polyethylene resin with excellent sliding properties eliminates the need for grease or oil.
- Polyethylene resin has a high chemical resistance.
- UL94 HB grade flame resistance.

Item No.	Weight (g)
MR-40CNB	40

No.	Material	Finish
①	304 Stainless Steel	Plain
②	High Sliding Grade Polyethylene	Grey

BRACKET FOR SENSOR

RoHS compliant

MR-30BKT



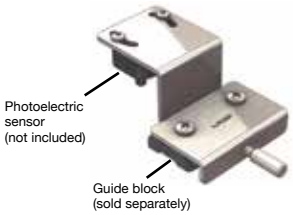
Horizontal Mount Type

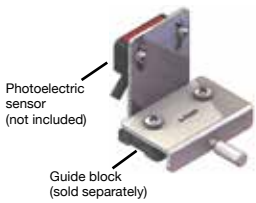


Vertical Mount Type

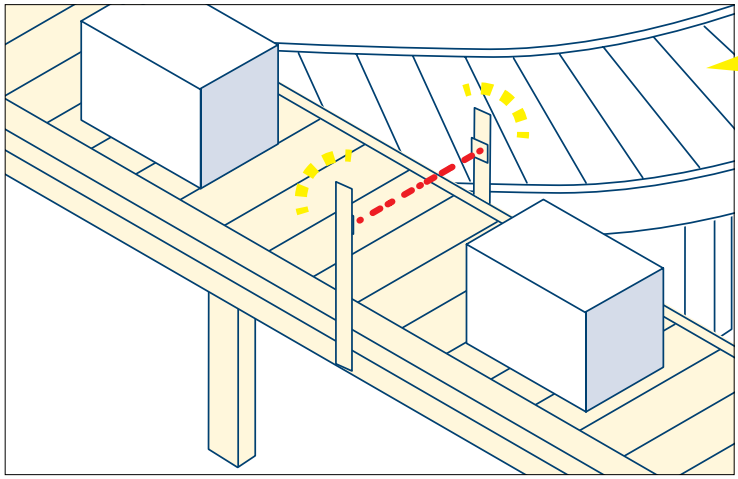
- Mounts photoelectric sensors on the guide block (MRS-30).
- Compatible with sensors which have hole interval of 1" (25.4 mm).
- Height and angle of photoelectric sensors are adjustable.
- Easy and secure position adjustment.

With Photoelectric Sensor





Application



Easy Position Adjustments

Height



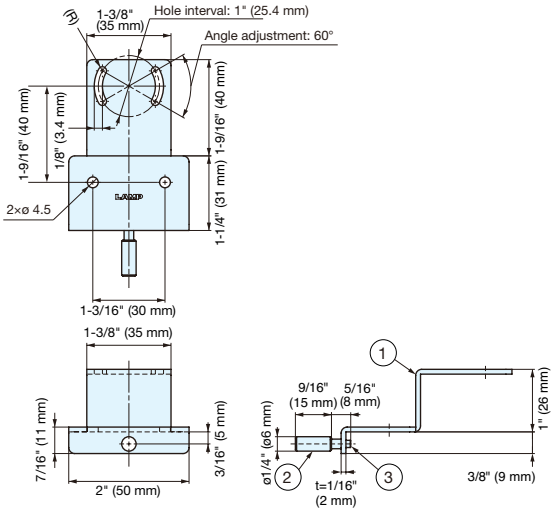
Turn the knob to adjust the height of the photoelectric sensor.

Angle

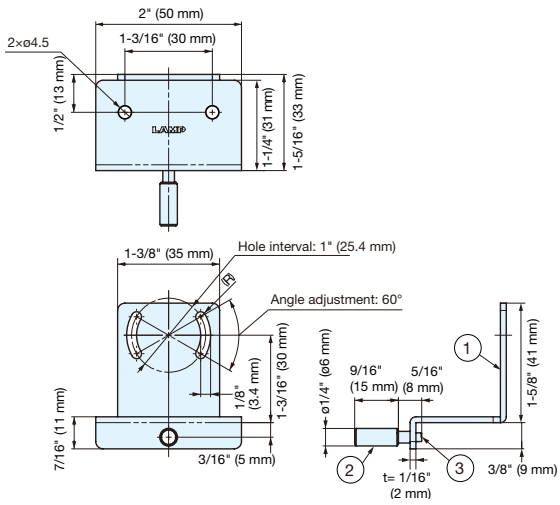


Turn the screws to adjust the angle of the photoelectric sensor.

Horizontal Mount Type



Vertical Mount Type



No.	Part Name	Material	Finish
①	Plate	304 Stainless Steel	Barrel Polished
②	Knob Body		Plain
③	Knob Tip	POM	Black

Item No.	Mount Type	Retaining Force (reference)	Knob Tightening Torque	Weight (g)
MR-30BKT-PH	Horizontal	3 lbf (1.4 kg) and under	0.022 lbf (0.01 kg) and under	60
MR-30BKT-PV	Vertical			50

MULTI-ROLLER LINEAR GUIDE

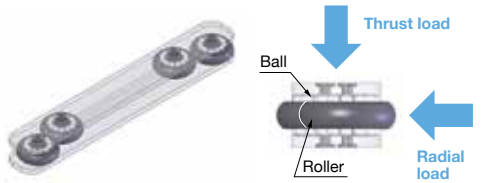
MLG13



Multiple guide blocks can be used in a guide rail.

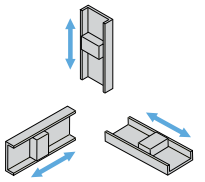
- Smooth and high precision movement with its unique "multi-roller" design.
- It can be used together with a motor drive.
- Slim guide rail with width of 1/2" (13 mm).
- Has a system life of 60 km and passed 300,000 cycle test.
- Please use with stoppers.
- Common applications include medical equipment, food processing equipment, gaming and vending machines, analytical instruments, factory automation.

Unique Multi-Roller Design

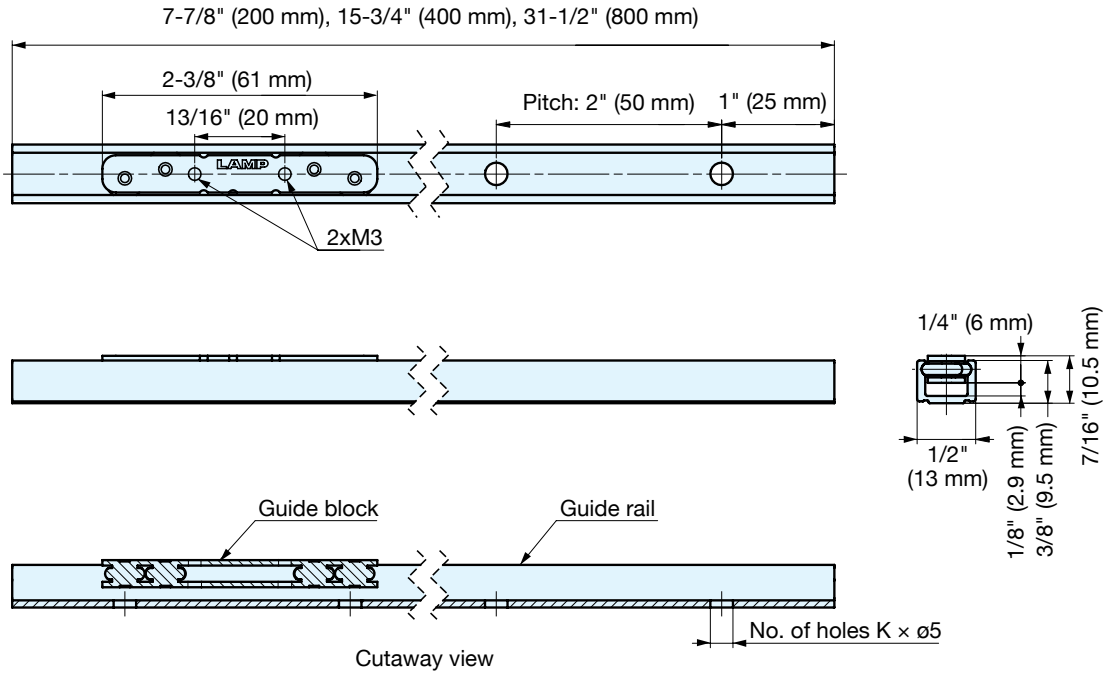


The multi-roller mechanism allows for smooth movement even with loads applied in radial or thrust directions

Mounting Directions



Can be mounted in the following directions.

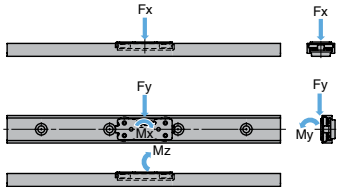


Cutaway view

Rated Load Reference Values The rated load refers to the load limit.

- Max. load = Static rated load x static safety coefficient
- Operating load = Max load x Dynamic safety coefficient
- Max. moment = Static rated moment x static safety coefficient
- Operating moment = Max moment x static safety coefficient

Use Conditions	Static Safety Coefficient	Dynamic Safety Coefficient
Low Movement Frequency with Gentle Movement	0.4~0.5	0.9~1.0
High Movement Frequency with Smooth Movement	0.3~0.5	0.6~0.8
High Movement Frequency with Vibration or Impact	0.2~0.3	0.3~0.5



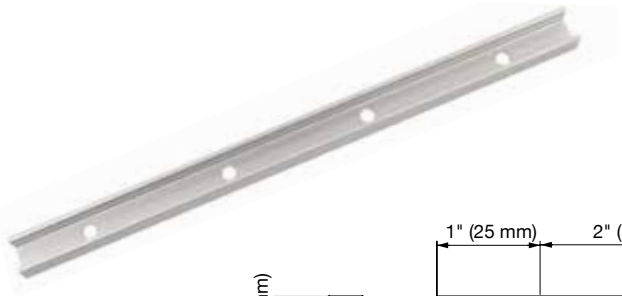
Item Name	Horizontal Static Rated Load Fx	Vertical Static Rated Load Fy
MLG-13C	8.8 lbf (4.0 kgf)	8.8 lbf (4.0 kgf)

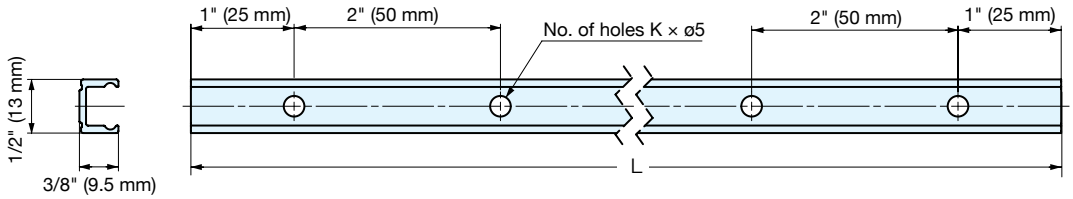
Although the rollers of the MLG-13C are installed alternatively, the rated load is the same even when it is mounted in reverse.

Item Name	Vertical Static Rated Moment Mx	Horizontal Static Rated Moment My	Horizontal Static Rated Moment Mz
MLG-13C	22.4 lbf (10.2 kgf)	4.4 lbf (2.0 kgf)	26.8 lbf (12.2 kgf)

GUIDE RAIL

MLG13



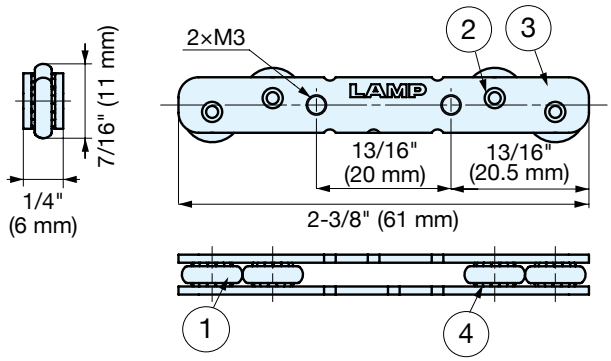


Item No.	L	No. of Holes (K)	Material	Finish	Weight (g)	Box (pcs)
MLG13-200	7-7/8" (200 mm)	4	Aluminum Alloy	Anodized Silver	23	760
MLG13-400	15-3/4" (400 mm)	8			45	1000
MLG13-800	31-1/2" (800 mm)	16			91	1650

GUIDE BLOCK

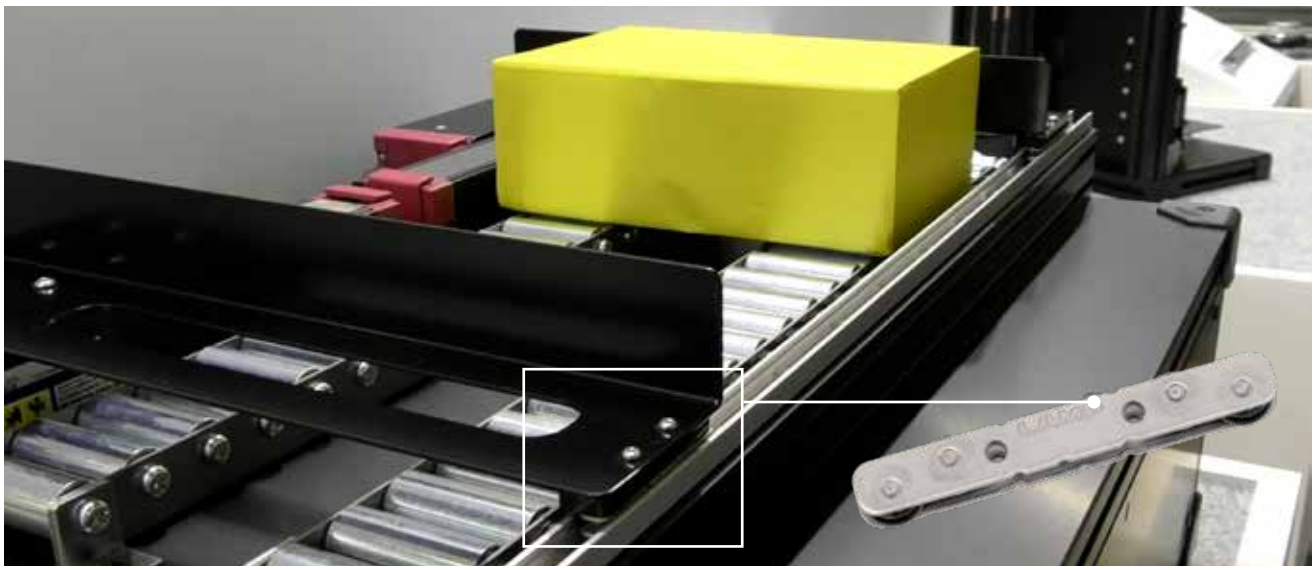
MLG-13C





Item No.	Weight (g)	Box (pcs)
MLG-13C	11	1000

No.	Part Name	Material
①	Roller	Polyacetal (POM)
②	Pin	303 Stainless Steel
③	Plate	304 Stainless Steel
④	Ball	Steel



MULTI-ROLLER LINEAR GUIDE

RoHS COMPLIANT

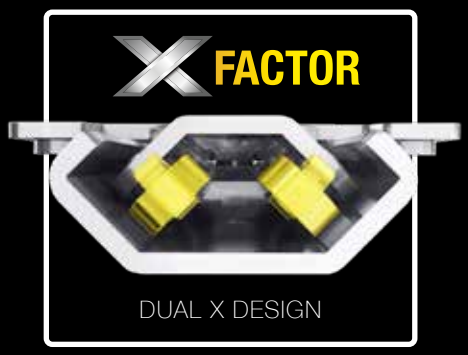
MLGX25



ELEVATE YOUR PERFORMANCE

with the MLGX Multi-Roller Linear Guide. Its unique **"Dual-X design"** features 45°angled roller bearings that create consistent contact with the rail, ensuring smooth and stable motion even when operating under a moment load. It can also be mounted in various orientations while maintaining its level of performance.

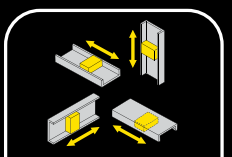
- The innovative "Dual-X" design:
  - Smoothly facilitates up to 27 lbs (120 N) even if the load is applied vertically or horizontally.
  - Maintains its smooth and consistent movement even when a moment load occurs.
  - Can be used with a motor drive.
  - Has a system life of 100 km & passed 500,000 cycle test.
- The guide block is preloaded to significantly reduce rattling.
- Multiple guide blocks can be used with a guide rail (rails and blocks ordered separately).
- Ideal for automated machinery, medical, analysis or food equipment and kiosks.



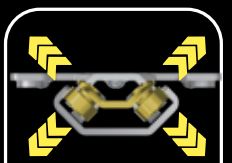
Dual X Structure:
Designed to facilitate reliable movement in any direction. Rollers are located at two different angles to resist both horizontal and vertical loads.

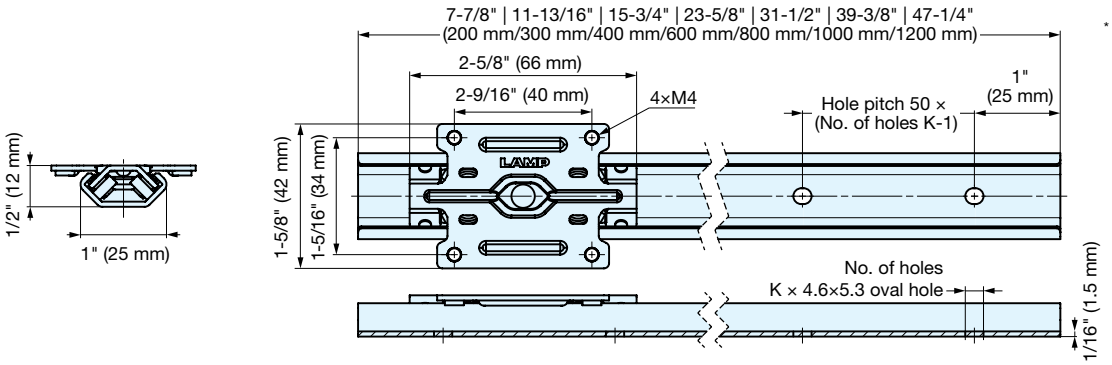
The MLGX Dual X Structure allows for:


SMOOTH & STABLE MOTION


VERSATILE MOUNTING DIRECTION

27 lbs
UP TO 27 LBS OF OPERATING LOAD CAPACITY


PRELOADED CARRIAGE TO ELIMINATE RATTLE

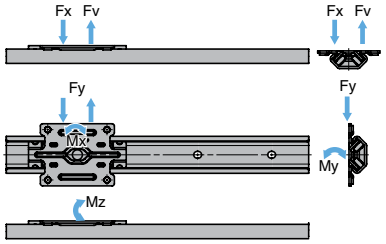


* The figure shows the dimensions when the guide rail and a guide block are combined.

Rated Load Reference Values

Loading Direction	Horizontal Load Fx	Vertical Load Fy	Horizontal Load Fv
Max. Load Capacity	44.9 lb (20.4 kg)	44.9 lbs (20.4 kg)	29.1 lbs (13.2 kg)
Operating Load	26.8 lbs (12.2 kg)	26.8 lbs (12.2 kg)	17.8 lbs (8.1 kg)

Loading Direction	Moment Mx	Moment My	Moment Mz
Max. Load Capacity	35.4 lbs·in (40.8 kg·cm)	17.7 lbs·in (20.4 kg·cm)	35.4 lbs·in (40.8 kg·cm)
Operating Load	21.2 lbs·in (24.4 kg·cm)	10.6 lbs·in (12.2 kg·cm)	21.2 lbs·in (24.4 kg·cm)

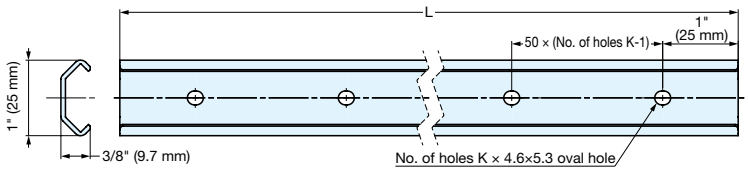


MULTI-ROLLER LINEAR GUIDE RAIL

RoHS compliant

MLGX25





Item No.	L	No. of Holes (K)	Material	Weight (g)	Box (pcs)
MLGX25-200S	7-7/8" (200 mm)	4	304 Stainless Steel	86	1850
MLGX25-300S	11-13/16" (300 mm)	6		130	2270
MLGX25-400S	15-3/4" (400 mm)	8		173	2680
MLGX25-600S	23-5/8" (600 mm)	12		258	3350
MLGX25-800S	31-1/2" (800 mm)	16		344	4450
MLGX25-1000S	39-3/8" (1000 mm)	20		430	5560
MLGX25-1200S	47-1/4" (1200 mm)	24		516	6700

MULTI-ROLLER LINEAR GUIDE BLOCK

RoHS compliant

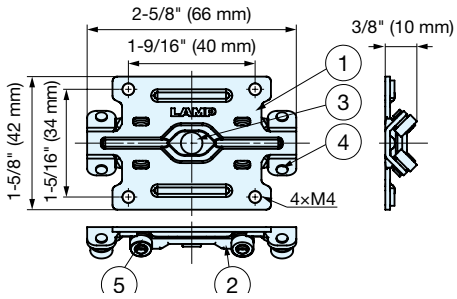
MLGX-25C-8



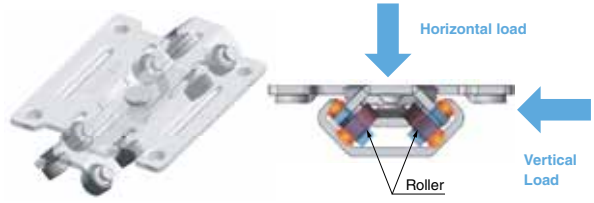
Front



Back





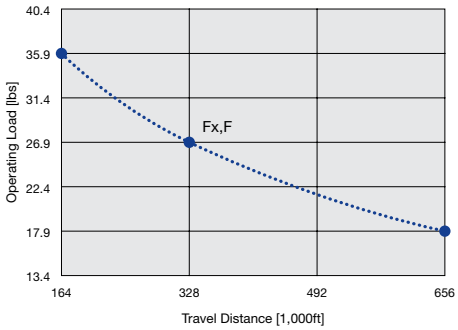


Multiple guide blocks can be used in a guide rail.

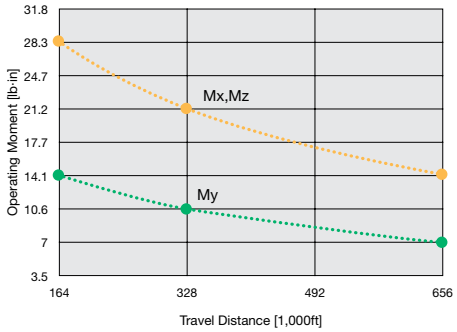
Item No.	Weight (g)	Box (pcs)
MLGX-25C-8	39	3070

No.	Part Name	Material
①	Mounting Plate	304 Stainless Steel
②	Holding Plate	
③	Caulking Pin	303 Stainless Steel
④	Roller Pin	XM7 Stainless Steel
⑤	Roller Bearing	Steel

Operating Load/Moment and Travel Distance (Life) Guidelines



Condition: 7.87 in./ sec of speed



MULTI-ROLLER LINEAR GUIDE

RoHS compliant

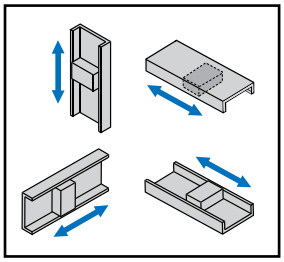
MLGX32



Multiple guide blocks can be used in a guide rail.

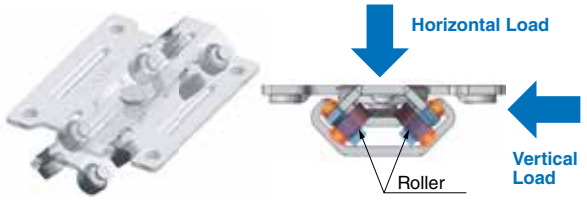
- The unique “Dual X” structure:
  - Ensures smooth, reliable motion for both horizontal and vertical applications.
  - Resists moment loads in multiple directions to provide dependable linear motions.
  - Is preloaded to deliver precise and stable movement.
- With an operating load of 67 lbs, the MLGX32 delivers robust support for applications where light-duty guides fall short but heavy-duty performance is unnecessary.
- Compatible with applications requiring a motor drive.
- Ideal for automated machinery, medical, analysis or food equipment, and kiosks.

Mounting Direction



Can be mounted in the following directions.

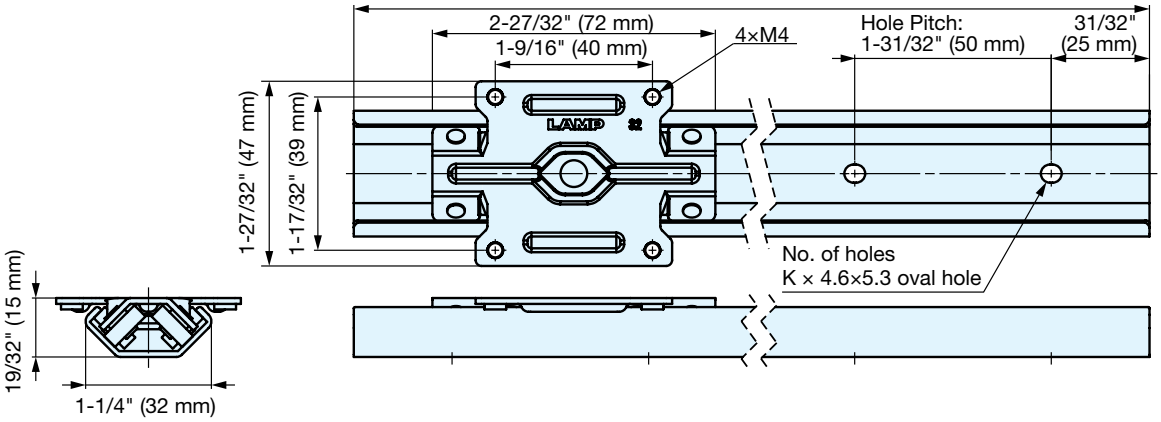
Dual X Structure



Rollers are located at two different angles to resist both horizontal and vertical loads.

Available Fixed Rail Lengths

7-7/8" (200 mm)/ 11-13/16" (300 mm)/ 15-3/4" (400 mm)/ 23-5/8" (600 mm)
31-1/2" (800 mm)/ 39-3/8" (1000 mm)/ 47-1/4" (1200 mm)

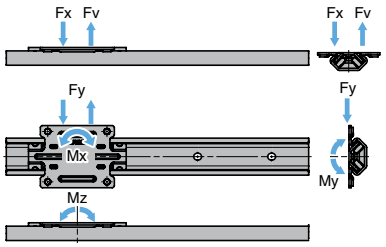


The figure shows the dimensions when the guide rail and a guide block are combined.

Rated Load Reference Values

Loading Direction	Horizontal Load Fx	Vertical Load Fx	Horizontal Load Fv
Max. Load Capacity	112 lbs (51.0 kg)	112 lbs (51.0 kg)	44.9 lbs (20.4 kg)
Operating Load	67.4 lbs (30.6 kg)	67.4 lbs (30.6 kg)	26.8 lbs (12.2 kg)

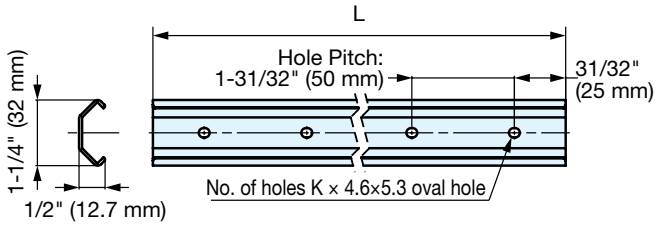
Loading Direction	Moment Mx	Moment My	Moment Mz
Max. Moment	70.8 lbs•in (81.6 kg•cm)	26.5 lbs•in (30.6 kg•cm)	70.8 lbs•in (81.6 kg•cm)
Operating Moment	42.4 lbs•in (48.9 kg•cm)	15.8 lbs•in (18.3 kg•cm)	42.4 lbs•in (48.9 kg•cm)



MULTI-ROLLER LINEAR GUIDE RAIL — MLGX32



- Simple installation reduces set up time.
  Note: Grease is applied to rail
  - If additional is needed, use lithium soap grease.

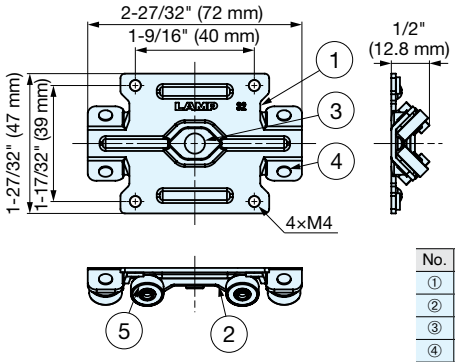


Item No.	L	No. of Holes (K)	Material	Weight (g)	Box (pcs)
MLGX32-200S	7-7/8" (200 mm)	4	304 Stainless Steel	109	50
MLGX32-300S	11-13/16" (300 mm)	6		164	25
MLGX32-400S	15-3/4" (400 mm)	8		218	25
MLGX32-600S	23-5/8" (600 mm)	12		327	10
MLGX32-800S	31-1/2" (800 mm)	16		436	10
MLGX32-1000S	39-3/8" (1000 mm)	20		545	10
MLGX32-1200S	47-1/4" (1200 mm)	24		654	10

MULTI-ROLLER LINEAR GUIDE BLOCK — MLGX-32C-8



- Delivers consistent linear motion when faced with moment loads in any direction.

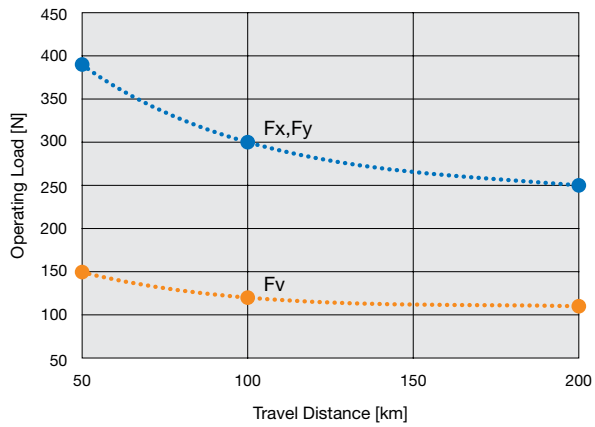


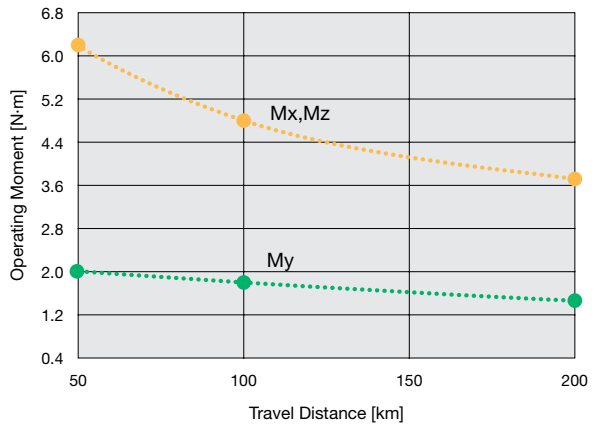
No.	Part Name	Material
①	Mounting Plate	430 Stainless Steel
②	Holding Plate	
③	Caulking Pin	303 Stainless Steel
④	Roller Pin	XM7 Stainless Steel
⑤	Bearing Roller	Steel

Item No.	Weight (g)	Box (pcs)	Carton (pcs)
MLGX-32C-8	65	10	100

Operating Load/Moment and Travel Distance (Life) Guidelines

Condition: 200 mm/sec of speed

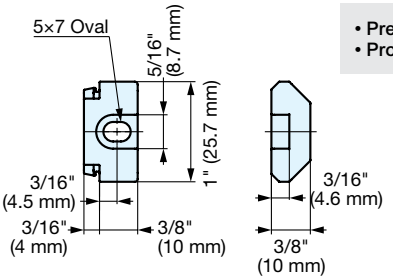




MULTI-ROLLER LINEAR GUIDE END CAP MLGX25-EC



End Cap for MLGX



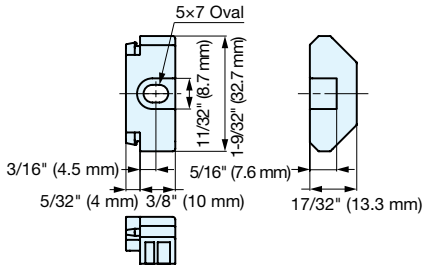
- Prevents the guide block from falling off of the rail.
- Protects the edge of the rail.



Item No.	Material	Color	Weight (g)	Box (pcs)	Carton (pcs)
MLGX25-EC	Polyacetal (POM)	Black	2.2	250	2500

MULTI-ROLLER LINEAR GUIDE END CAP MLGX32-EC





- Prevents the guide block from falling off of the rail.
- Protects the edge of the rail.



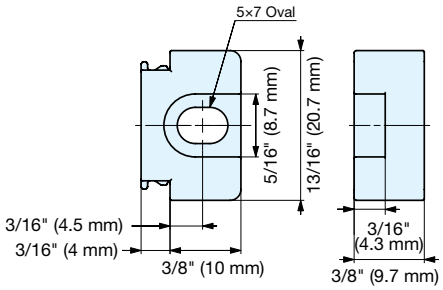
End Cap on Rail

Item No.	Material	Color	Weight (g)	Box (pcs)
MLGX32-EC	Polyacetal (POM)	Black	3.4	500

LINEAR GUIDE END CAP MLG20-EC



End Cap for MLG20



- Prevents the guide block from falling off of the rail.
- Protects the edge of the rail.

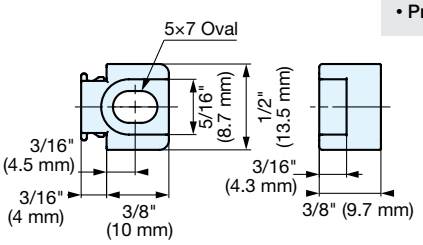


Item No.	Material	Color	Weight (g)	Box (pcs)	Carton (pcs)
MLG20-EC	Polyacetal (POM)	Black	1.8	250	2500

SLIM LINEAR GUIDE END CAP MLG13-EC



End Cap for MLG13



- Prevents the guide block from falling off of the rail.
- Protects the edge of the rail.

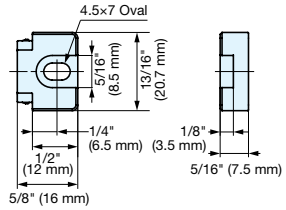


Item No.	Material	Color	Weight (g)	Box (pcs)	Carton (pcs)
MLG13-EC	Polyacetal (POM)	Black	1.2	500	5000

MINI LINEAR GUIDE END CAP — MRS20-EC



End Cap for MRS20



- Prevents the guide block from falling off of the rail.
- Protects the edge of the rail.

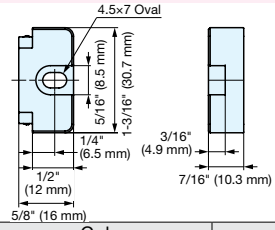


Item No.	Material	Color	Weight (g)	Box (pcs)	Carton (pcs)
MRS20-EC	Polyacetal (POM)	Black	1.9	500	5000

MINI LINEAR GUIDE END CAP — MRS30-EC



End Cap for MRS30



- Prevents the guide block from falling off of the rail.
- Protects the edge of the rail.

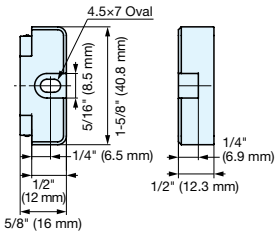


Item No.	Material	Color	Weight (g)	Box (pcs)	Carton (pcs)
MRS30-EC	Polyacetal (POM)	Black	3.7	250	2500

MINI LINEAR GUIDE END CAP — MRS40-EC



End Cap for MRS40



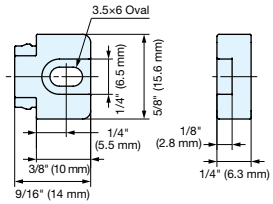
- Prevents the guide block from falling off of the rail.
- Protects the edge of the rail.



Item No.	Material	Color	Weight (g)	Box (pcs)	Carton (pcs)
MRS40-EC	Polyacetal (POM)	Black	5.4	150	1500

MINI LINEAR GUIDE END CAP — MRS15-EC





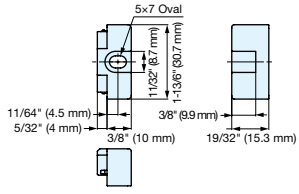
- Prevents the guide block from falling off of the rail.
- Protects the edge of the rail.



Item No.	Material	Color	Weight (g)	Box (pcs)	Carton (pcs)
MRS15-EC	Polyacetal (POM)	Black	1.0	500	5000

LINEAR GUIDE END CAP — MRG30-EC





- Prevents the guide block from falling off of the rail.
- Protects the edge of the rail.



Item No.	Material	Color	Weight (g)	Box (pcs)
MRG30-EC	Polyacetal (POM)	Black	3.8	500

SUGATSUNE

Quality is the New Black!

Sliding Door Handles • Knobs • Pulls • Catches • Latches
Hinges • Hooks • Door Stoppers • Dampers • Brackets and More

Find these products throughout this catalog!

