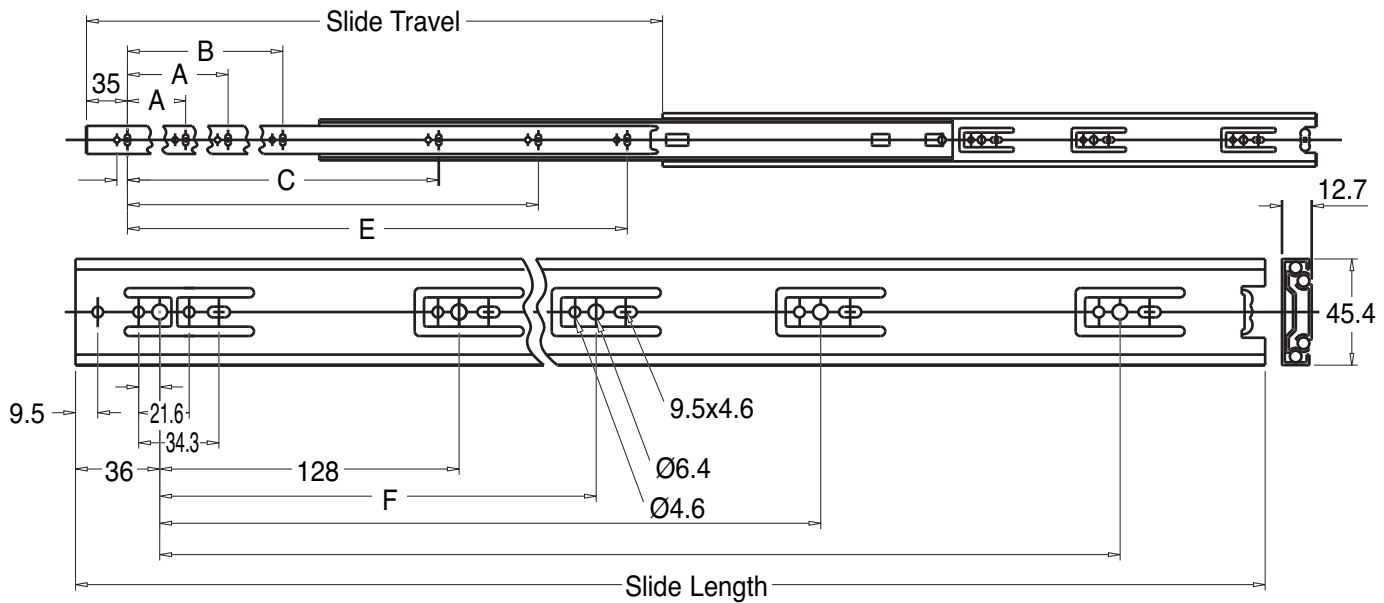
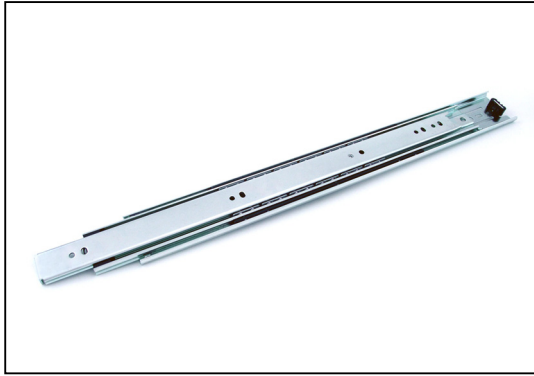


R21D

LINEAR MOTION

Telescopic Slides

Light Duty Precision Ball Bearing Slides



The R21D is a full extension slide particularly suited to light duty electronic racking and storage. The R21D is ideal for applications that require a compact slide which allows the draw beam to be easily removed. Gentle pressure on the front lever releases the latch enabling the chassis to be removed. Not recommended for heavy chassis mounted on a sloping panel.

Discounts: 11+ -5% 21+ -10%

Part Number	Size Inch	Length	Travel	A1	A	B	C	D	E	F	G	H	Load Kgs/pr	Price Per Pair 1 - 10
R21D-250	10"	250	254	-	-	-	-	-	192	-	-	-	31.8	£P.O.A
R21D-300	12"	300	305	-	-	-	-	-	242	224	-	-	47.7	£P.O.A
R21D-350	14"	350	356	128	-	-	-	-	292	224	-	-	50.0	£P.O.A
R21D-400	16"	400	406	128	-	320	-	-	342	224	320	-	47.7	£P.O.A
R21D-450	18"	450	457	128	-	320	-	-	392	224	352	-	45.4	£P.O.A
R21D-500	20"	500	508	128	192	352	-	-	442	224	416	-	43.2	£P.O.A
R21D-550	22"	550	559	128	224	-	416	-	492	224	352	448	40.9	£P.O.A
R21D-600	24"	600	610	128	224	-	416	-	542	224	352	480	38.6	£P.O.A
R21D-650	26"	650	660	128	224	-	416	544	592	224	352	544	36.4	£P.O.A
R21D-700	28"	700	711	128	224	288	416	544	642	224	352	544	31.8	£P.O.A

Material

Slide: Work hardened cold rolled steel.
Electro-zinc plated finish with clear, yellow or black chromate.

Features

- Three beam precision ball bearing slide.
- Low profile
- 100% extension
- Easy draw front disconnect, easy draw re-insertion
- Hold in detent
- Standard closed lengths from 250mm to 700mm
- Side space adjustable tabs and non-handed
- Standard 32mm hole pattern
- Maximum load 50kgs per pair (350mm)
- 4mm fixing screws

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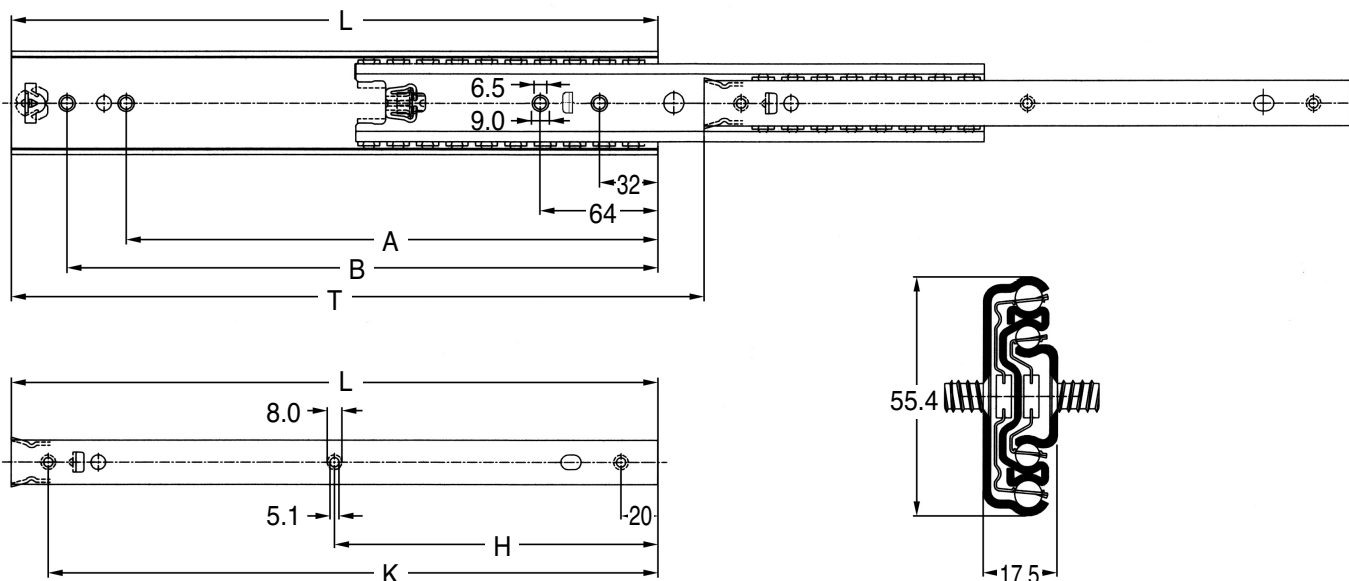
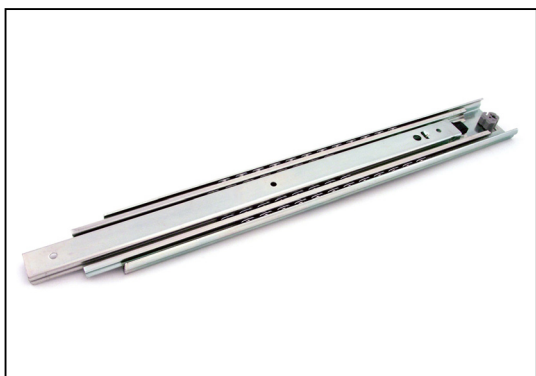
Product information updated 1st April 2011 and subject to change. Please contact Sales for the latest prices and availability.

LINEAR MOTION

ULFD

Telescopic Slides

Medium Duty Precision Ball Bearing Slides



The ULFD is of all steel construction contained within popular dimensions. A precision ball bearing slide with a smooth operational movement and low pull out forces coupled to excellent load carrying capacities. It is suitable for use on a wide range of applications where a compact high performance product is required.

Discounts: 11+ -5% | 21+ -10%

Part Number	L Length/Extension	H	K	T	A	B	Load Kgs/pr	Price Per Pair 1 - 10
ULFD-350	350/375	175	330	375	288	320	71	£P.O.A
ULFD-400	400/440	200	380	440	288	320	78	£P.O.A
ULFD-450	450/495	225	430	495	288	320	82	£P.O.A
ULFD-500	500/550	250	480	550	384	416	82	£P.O.A
ULFD-550	550/600	275	530	600	416	448	82	£P.O.A
ULFD-600	600/650	300	580	650	416	448	85	£P.O.A
ULFD-700	700/750	350	680	750	416	448	89	£P.O.A

Material

Slide: Zinc plated (blue)

Features

- Three beam precision ball bearing slide
- 100% Stroke
- Non locking
- Hold in detent
- Standard closed lengths from 350mm to 700mm
- 20mm minimum over extension standard
- Maximum load 89kgs per pair (700mm)
- Recommended fitting space: 18mm per slide

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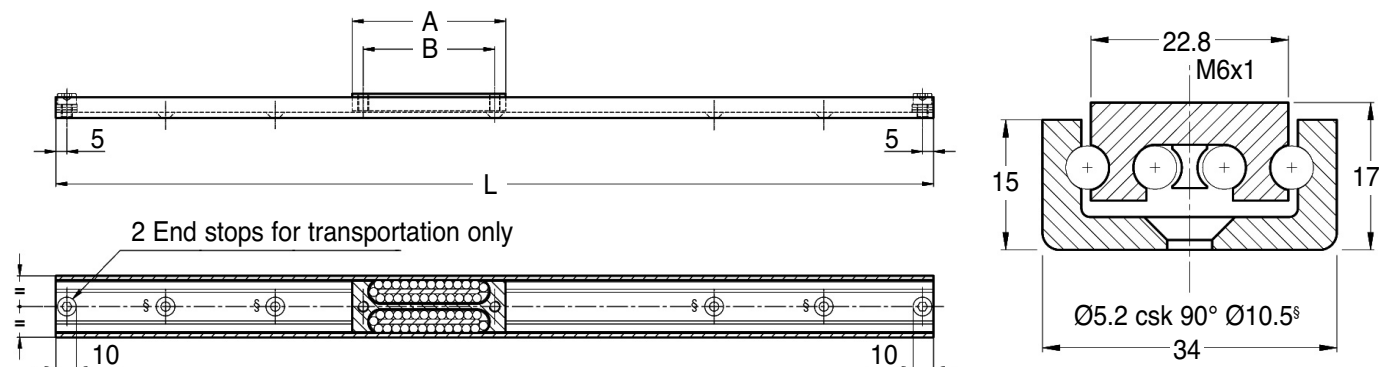
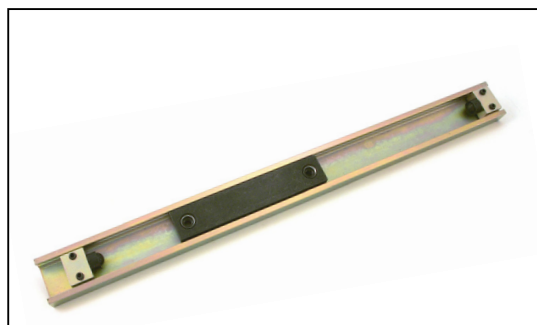
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LINEAR MOTION

E53

Linear Ball Rails Steel Rail with Carriage G53



Linear ball rails are composed of re-circulating ball carriages, which slide within a rail section. The system comprises of a section of rail with transport stops fitted at either end. The re-circulating ball carriage is the mobile part of the system, and each rail can be fitted with one or several carriages according to the application or the load to bear*.

* Rails supplied without drilled holes but these can be supplied at extra cost, P.O.A.

Discounts: 11+ -5% 21+ -10%

Part Number	Rail	Carriage*	Rail				Carriage		Price Each	
			L	A	B	Major axis	Minor axis	Rail	Carriage*	
E53/1500	G53		1500	120	100	60	30	£75.28	£136.23	
E53/3000	G53		3000	120	100	60	30	£150.60	£136.23	

*A minimum of one carriage must be ordered per rail.

Additional carriages must be specified at time of order, as carriages cannot be purchased individually.

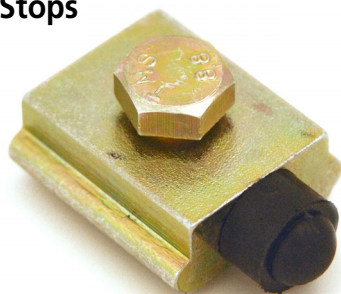
Material

E53 Rail: Cold drawn steel, yellow zinc plated

G53 Carriage: Cold drawn steel, nitration

Bearings: Steel

End Stops



Transport end stops, with which the rails are delivered, are not recommended for use as permanent stops.

Permanent end stops are available for use on the E53 rail to provide a mean of retaining the G53 carriage within the rail.

There are 2 sizes available dependent on the working space available.

Discounts: 11+ -5% 21+ -10%

Part Number	Permanent Rail End Stop	Price Each
E53-STOP/SMALL	Small	£36.77
E53-STOP/LARGE	Large	£29.33

Features

- 2 tapped holes per carriage allowing ease of fixing
- Reliable and robust
- Regular and smooth travel

- 60kgs load capacity per carriage on the major axis (see technical pages for further information)
- Weight 1.7Kg/m

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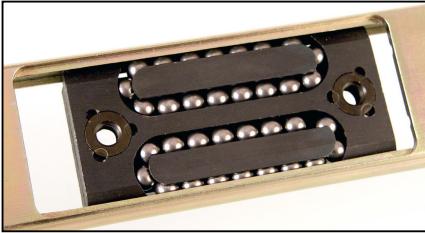
LINEAR MOTION

Linear Ball Rails Steel Rail with Carriage G53

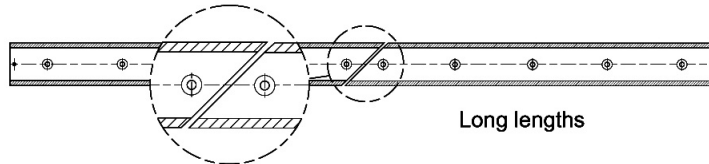
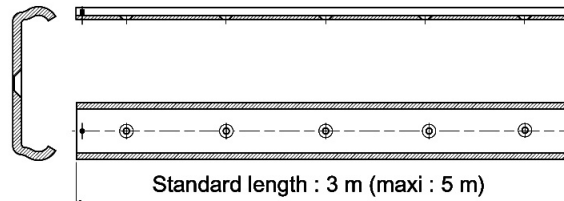
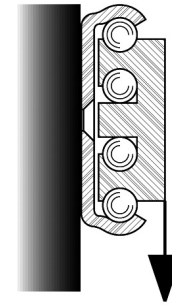
Load Capacity

The load is the maximum effort a ball carriage mounted on the major axis can bear. The loads shown in the specifications charts are given per carriage. Although they are calculated with a large safety margin, the loads have to be modulated according to the use or type of mounting chosen for the apparatus. So, an intensive use forces us to reduce the maximum load carried. Likewise, a mounting on the minor axis reduces the maximum safe load.

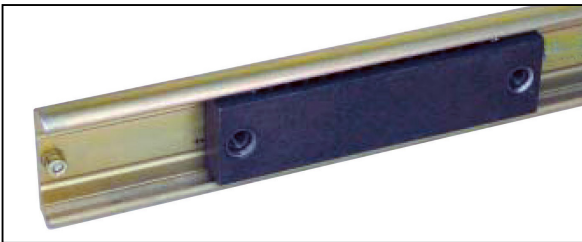
Travel



The usual travel of the carriage is equal to the rail length minus a carriage length and the stop measurement, i.e. approximately 10 mm at each end.



End stop for transport



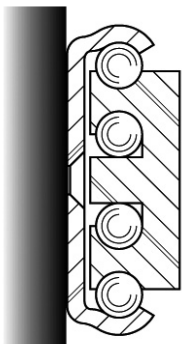
The products are delivered with transport end stops meant to prevent the carriage from coming out of linear rail. They cannot be used as a permanent end stop extension. It is very important to allow the runners to stop. Indeed, if the carriage should come out of its rail, the balls, not being trapped, would get mixed up. It would then be impossible to mount the carriage again: we make up for the manufacturing tolerances by using slightly different ball diameters.

Mounting rules and condition of uses

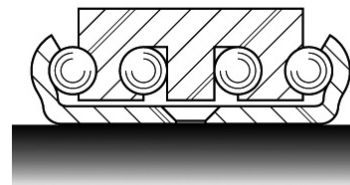
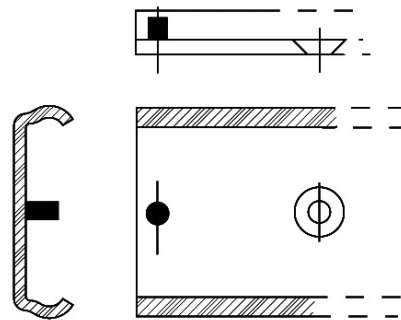
Linear rails with circulating ball carriages are reliable and robust products, which will give complete satisfaction with a regular and smooth travel when mounting and conditions of uses are complied with.

Caution: Some mountings are not advisable: mounting on an uneven surface, overhanging, corrosive environment or in excessive heat. In case of improper mounting, the carriage will move erratically causing wear within the ball tracks and thus reducing the lifespan. Contact us to select the rail adapted to your particular application.

Mounting in the major and minor axis



Mounting on the major axis is the ideal slide mounting. Respecting mounting on the major axis will guarantee a better distribution of effort. With a mounting on a minor axis, the load capacity will be reduced. For a pair of steel slides, load capacities are reduced by 40% compared with mounting in the major axis.



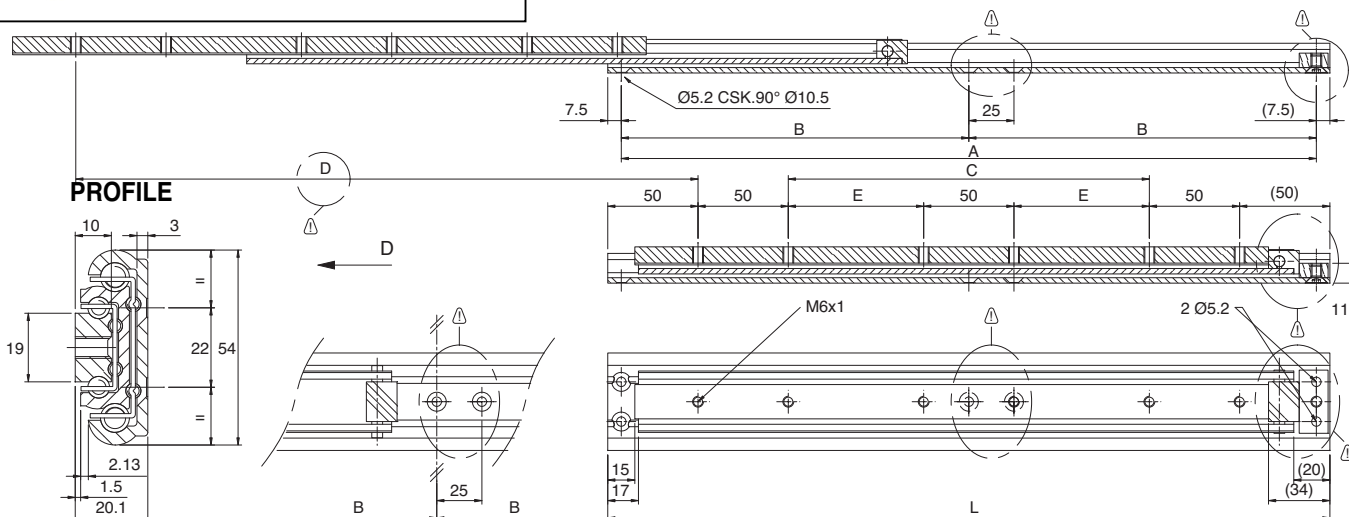
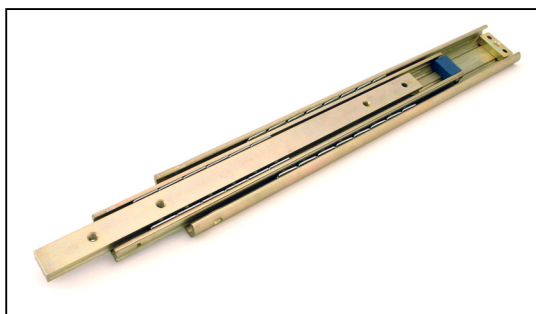
LINEAR MOTION

RA5R

LINEAR MOTION

Telescopic Slides

Heavy Duty Precision Ball Bearing Slides



The RA5R is a precision ball bearing slide. Its robust construction from cold drawn steel sections combined with additional reinforcing ball bearings, gives it excellent load carrying capabilities with minimum deflection. It is a high performance product that is particularly suited for use in rugged operating conditions and dynamic applications where a product capable of resisting the effects of shock and vibration is required.

Discounts: 11+ -5% 21+ -10%

Part Number	Length**	A	B	C	E	D	Load* Kg	Deflection	Price Per Pair 1 - 10
RA5R-300	300	285	-	100	-	315	150	5	£104.56
RA5R-350	350	335	-	150	-	375	145	6	£108.82
RA5R-400	400	385	-	200	-	415	140	7	£115.21
RA5R-450	450	435	-	250	-	475	135	8	£121.11
RA5R-500	500	485	-	300	-	515	130	8	£128.03
RA5R-550	550	-	267.5	-	150	575	125	9	£131.53
RA5R-600	600	-	292.5	-	175	615	120	9	£134.40
RA5R-650	650	-	317.5	-	200	675	115	10	£140.81
RA5R-700	700	-	342.5	-	225	715	110	10	£147.22
RA5R-750	750	-	367.5	-	250	775	105	11	£153.62
RA5R-800	800	-	392.5	-	275	815	100	12	£164.29
RA5R-850	850	-	417.5	-	300	875	95	13	£168.56
RA5R-900	900	-	442.5	-	325	915	90	14	£170.71
RA5R-950	950	-	467.5	-	350	975	85	15	£174.98
RA5R-1000	1000	-	492.5	-	375	1015	80	16	£179.13

*Loads indicated are for a pair of slides mounted on the major axis with an evenly distributed load.

**Longer lengths are available on request, please ask sales for further details.

Material

Beams: Cold drawn steel, yellow zinc plated

Bearings: Steel

Ball Cages: Steel

End Stops: Polyurethane

We recommend use on the major axis.

DO NOT DISMOUNT THE SLIDE!

Features

- Three beam precision ball bearing slide
- Heavy duty construction
- Cold drawn sections
- 100 % stroke
- Extra reinforcing ball bearings for added strength
- Standard closed lengths from 300mm to 1000mm
- Excellent load carrying capabilities to 150kg
- Weight 4.5Kg/m

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