

LINEAR SLIDE SYSTEM with Steel or Aluminum Carriage Plate TYPE AD

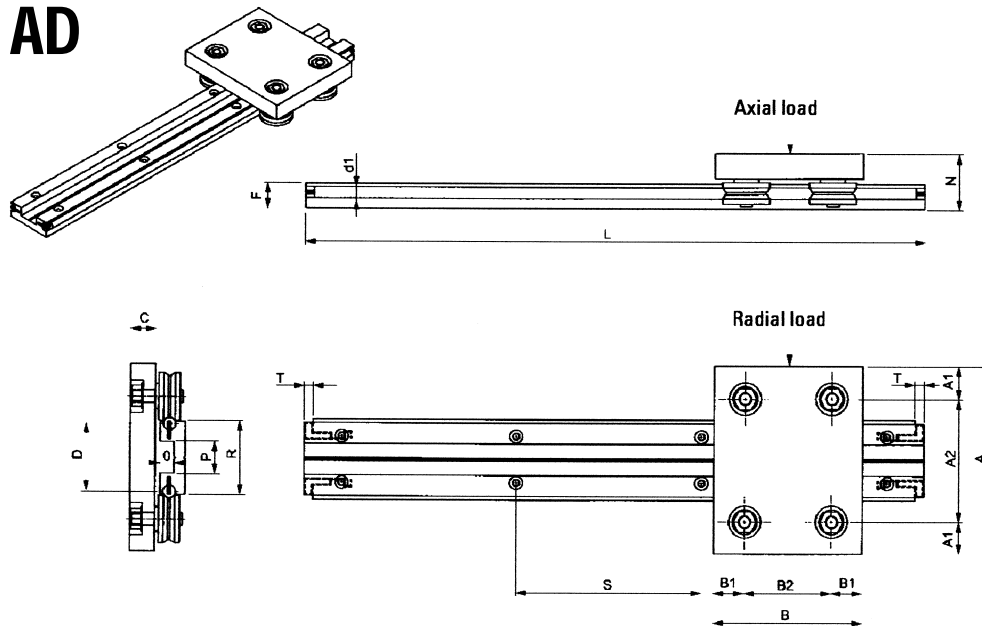


fig. 1

Dimensions (in mm)

Type	A	A ₁	A ₂	B	B ₁	B ₂	C	D	F	L (max.)	d ₁	N	P	O	R	S	T
AD106	120	18.5	83	80	19.5	41	10	54	20	6000	10	30.5	25	11	58	150	7.5
AD208	140	25.0	90	120	25.0	70	15	54	20	6000	10	37.0	25	11	58	150	7.5
AD208R	140	25.0	90	120	25.0	70	20	54	20	6000	10	42.0	25	11	58	150	7.5
AD210	150	26.0	98	120	25.0	70	20	54	20	6000	10	44.0	25	11	58	150	7.5
AD312	180	27.0	126	150	30.0	90	20	70	30	6000	20	51.0	20	17	75	300	5.0
AD316	180	27.0	126	150	30.0	90	25	70	30	6000	20	61.5	20	17	75	300	5.0
AD416	200	30.0	140	180	40.0	100	25	70	30	6000	20	61.5	20	17	75	300	5.0
AD416R	200	30.0	140	180	40.0	100	25	70	30	6000	20	61.5	20	17	75	300	5.0
AD420	200	30.0	140	180	40.0	100	25	70	30	6000	20	61.5	20	17	75	300	5.0

Component Parts & System Load

Type	Part Numbers		Wheels	Load N	
	Guide + length	Carriage*		Axial	Radial
AD106	D10__	M106_	C106+ E106	800	400
AD208	D10__	M208_	C208 + E208	1600	2000
AD208R	D10__	M208R_	C208R + E208R	2400	2600
AD210	D10__	M210_	C210 + E210	2400	2600
AD312	D20__	M312_	C312 + E312	3200	3200
AD316	D20__	M316_	C316 + E316	6400	7000
AD416	D20__	M416_	C416 + E416	6400	7000
AD416R	D20__	M416R_	C416R + E416R	17200	8600
AD420	D20__	M420_	C416 + E416	20000	31400

* A = aluminum S = steel

Two steel bars with a circular section, hardened, ground with a tolerance of h6, and chromium-plated, are stiffened and held parallel by an aluminum profile, available to a max. length of up to 6mtrs.

Running along the middle for the entire length is a slim ruler indicating where holes must be made for fastening the bars to the frame. This is the simplest and safest system to use both when wanting to keep the guide stationary while the carriage with wheels runs up and down, and when the carriage is instead stationary and the guide slides. Guides are supplied cut to the requested size up to 6000mm in length.

The screws locking the bars in place are positioned with the axis 30mm from the heads with center to center distance S. Where lengths are not an exact multiple of S (+60), head center to center distance S are varied as we deem most appropriate, or according to any customer specifications. The system comes complete with carriage for fitting relevant concentric and eccentric wheels. Assembly is left to the purchaser so that he can perform any necessary additional machining.

In some applications where the load hangs over the side, a screwing torque may be generated on the bars causing them to slowly slide in their housings. To prevent this sliding, all D10-D20-G20 guides are fitted with a mechanical stop at each bar head. Value "T" in fig. 1 indicates the difference in length between the bar and profile required when applying the slide-inhibiting stops.

The steel bars, unless otherwise specified by the customer, are always supplied shorter than the aluminum profile by a value of two times "T" so that the "bar stops" can be fitted.

How to order the AD System:

When using the whole system, i.e. guide plus carriage complete with wheels, order by quoting the type of system followed by the length in mm. Eg. AD312; L-3500

Components may be ordered separately as follows:

Guideways: See page 133 for dimensions. To order state slide type followed by length in mm ex. D20; L-3500
 Wheels: See pages 129 to 130 for dimensions. To order state part number ex. C312
 Trolleys: See pages 134 to 135 for dimensions. To order state part number and abbreviate which material:
 A = Aluminum S = Steel ex. M312S