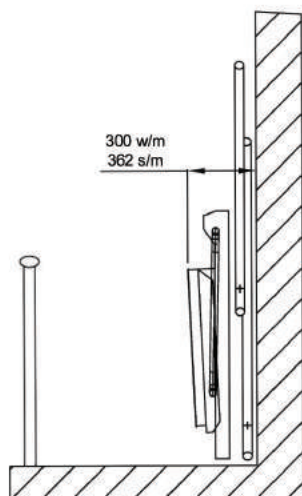


Stairiser SR

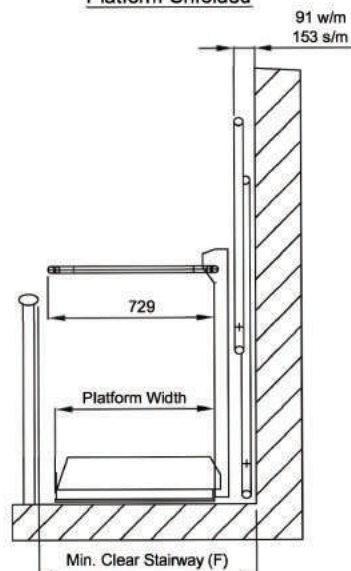
Straight rail wheelchair platform stairlift

Stannah

Platform Folded

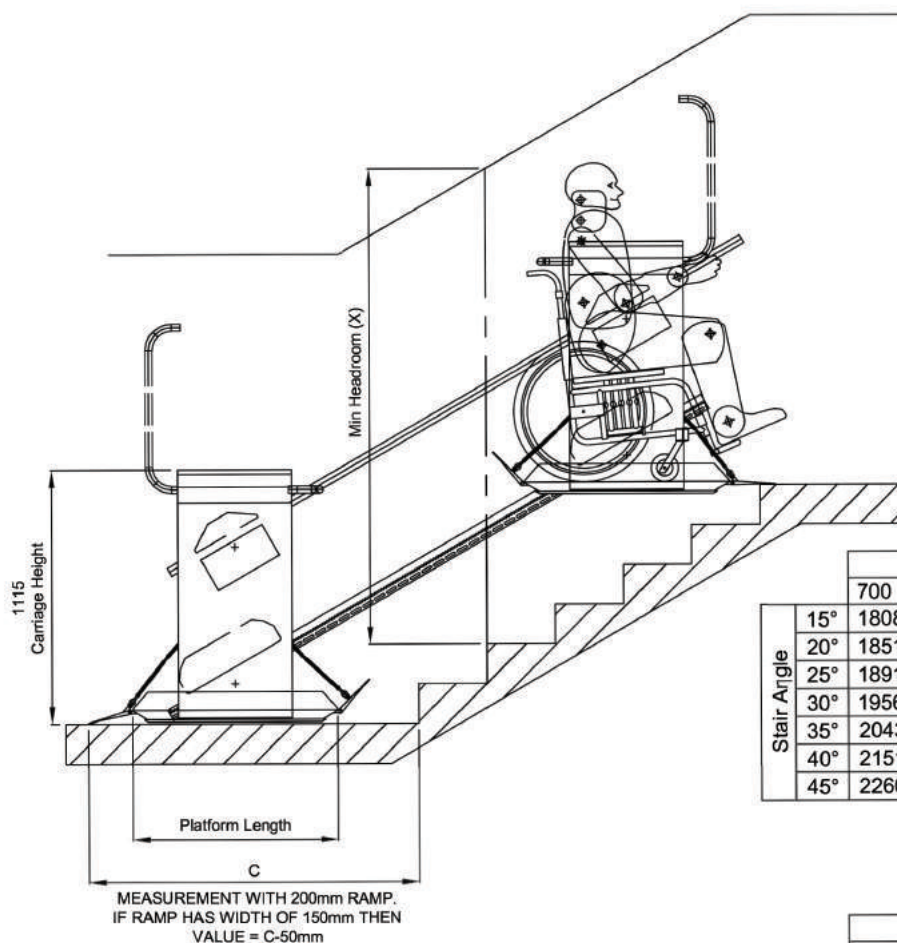


Platform Unfolded



850	1045
800	995
750	945
700	895
Platform Width	F

For stanchion mounted version add 62mm
For side access ramp add 50mm



Min Headroom 'X'

		Platform Length						
		700	750	800	850	900	1000	1250
Stair Angle	15°	1808	1810	1812	1814	1815	1855	1910
	20°	1851	1860	1869	1978	1885	1920	2010
	25°	1891	1910	1929	1948	1965	1995	2105
	30°	1956	1980	2004	2028	2050	2075	2220
	35°	2043	2070	2097	2124	2150	2185	2355
	40°	2151	2180	2209	2238	2265	2335	2515
	45°	2260	2295	2330	2365	2400	2490	2680

Dimension 'C'

		Platform Length						
		700	750	800	850	900	1000	1250
Stair Angle	15°	1557	1607	1657	1707	1757	1857	2107
	20°	1357	1407	1457	1507	1557	1657	1907
	25°	1255	1305	1355	1405	1455	1555	1805
	30°	1170	1220	1270	1320	1370	1470	1720
	35°	1120	1170	1220	1270	1320	1420	1670
	40°	1100	1150	1200	1250	1300	1400	1650
	45°	1066	1116	1166	1216	1266	1366	1616

Maximum Load:	250Kg Wheelchair and occupant
Speed:	0.1m/sec.
Angle of Stair:	0° to 47°
Site:	Straight stair without intermediate landing. Internal and external models available.
Fixing:	Wall mounted or Stanchion mounted.
Drive System:	Motorised carriage runs on a rigid aluminium rail with positive rack and pinion drive and automatic brake
Power Supply:	240v Single phase
Drive power:	0.5kW
Carriage control:	Attendant control on carriage. Constant pressure wireless control buttons at top and bottom landings

Waiver:

This data sheet is for guidance only and must not be used for proper working drawings. Please contact Stannah Lifts for particular details before proceeding. Owing to our policy of continual improvement we reserve the right to alter specifications and dimensions without prior notice

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Information
sheet
SR 610
Rev D
14.12.21

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STAIRISER SR (250kg) Straight Rail Wheelchair Platform Stairlift

Loads & Fixings
For guidance only

Stannah

Mounting Methods

The stairlift can be mounted on support pillars or directly on the wall.

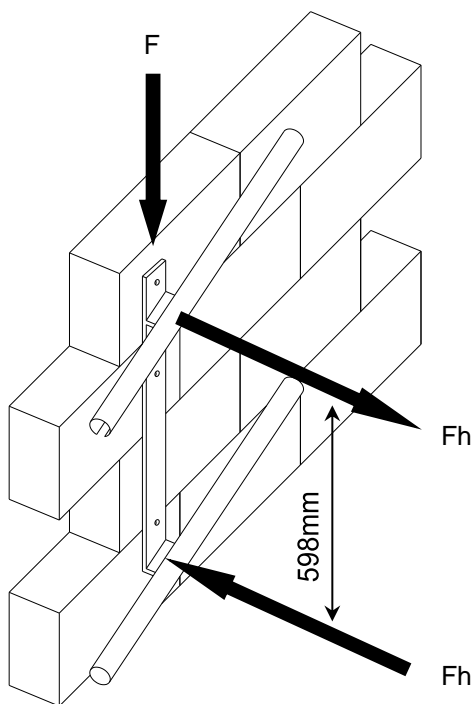
A mounting method should be chosen such that the applied loads are adequately supported.

Support pillars can be arranged in a variety of ways to suit the application:

1. With footplate fixed directly to tread.
2. With footplate fixed to tread & additionally braced horizontally into wall.

Applied Load

The applied load from the lift is shown in the diagram below; transfer of these loads into the building structure depends on the fixing arrangement. Some examples are shown in adjacent Load Sketches.



Fixings

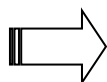
Fixings will be chosen appropriate for the substrate material. Proposals will be made following site survey, but instructions from the customer or his engineers will also be considered. Fixings may be: normal, coach or expansion bolts, stud & chemical resin or combinations thereof. Additional brackets, spreader plates etc. can be provided where needed.

For a load capacity of max.250kg with a platform width of max.800mm the following values of forces are suitable:

$F = 3952\text{N} \times 1.5$ $F_h = 2901 \times 1.5$ (1.5 = shock factor)

F = 5928N

F_h = 4352N

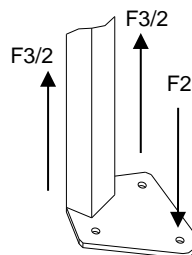


Calculation in case of Pillars	z	F ₂	F ₃
Standard Base Plate	115mm	/	/
Long Diamond Base Plate	150mm	17350 N	11567 N

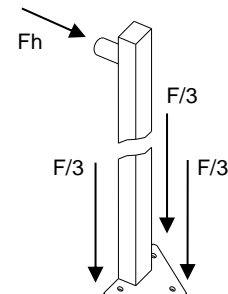
Load sketches

Applied loads in fixings shown

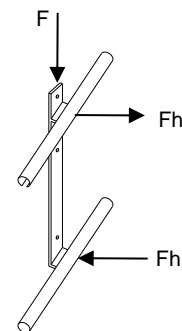
Treat Mount – Long Diamond Base Plate



Treat Mount + Brace



Wall Mounted



Note:
If this distance becomes larger, the forces will increase.

