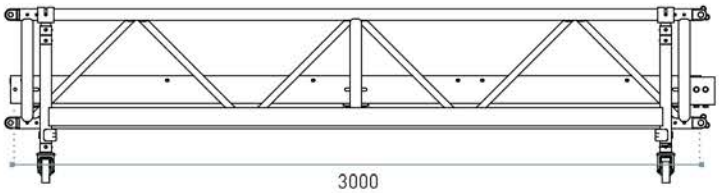
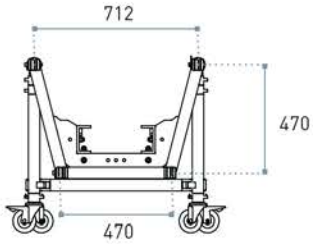
TRUSSES

The system consists of a 52 stacking truss provided with a double track and a foldable dolly. It is also available with a double track without a dolly. The system, which is modular and very easy to assemble, features a motorised, a slave and a rotation trolley (furnished with a fifth wheel). It is made in dark grey to absorb light, but other colours are available on request.





LOAD TABLE / FORK CONNECTION

SPAN m	UNIF. DISTRIBUTED LOAD q			CENTRE POINT LOAD F			THIRD POINT LOAD F F			QUARTER POINT LOAD F F F			FIFTH POINT LOAD F F F F		
	point load kg/m	full load kg	central deflection mm	point load kg	full load kg	central deflection mm	point load kg	full load kg	central deflection mm	point load kg	full load kg	central deflection mm	point load kg	full load kg	central deflection mm
3	1760	5290	2	4410	4410	3	2640	5290	3	1760	5290	3	1320	5290	3
6	725	4350	14	2180	2180	11	1640	3270	14	1090	3260	13	907	3630	14
9	315	2830	31	1420	1420	25	1070	2140	32	708	2120	30	591	2370	32
12	171	2050	56	1030	1030	45	777	1550	57	513	1540	53	429	1720	56
15	105	1570	87	784	784	71	597	1190	90	392	1180	83	329	1310	88
18	68	1230	125	616	616	104	472	945	130	308	924	120	259	1040	127
21	47	980	170	490	490	144	380	759	177	245	735	163	207	827	173
24	33	781	222	391	391	191	306	613	233	195	586	214	165	662	226

CANTILEVER LOAD TABLE / FORK CONNECTION

SPAN	UNIFORMLY DISTRIBUTED LOAD q			CENTRE POINT LOAD F	
m	q am.- kg/m	q am.- kg	defl.- mm	F am. - kg	defl.- mm
3	385	1160	4	578	6
6	86	517	18	259	23

The data listed in the above charts refer to the structural characteristics of the truss without the rail system modules.

Load table has been prepared in accordance with UNI ENV 1999-1-1 (Eurocode 9). When calculating the allowable loads it is assumed that the load is suspended from the bottom chord and the truss is supported from the top chord at each end.

The values shown in the table are the allowable static loads that can be applied to the truss. This is the live load or the payload. The self weight of the truss has been taken into account when calculating the values in the table.

It should be noted that this are idealised loading conditions and the User shall re-analyze the truss for the loading conditions which prevail for the application being considered.

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DST52 MAIN CHARACTERISTICS

stackable

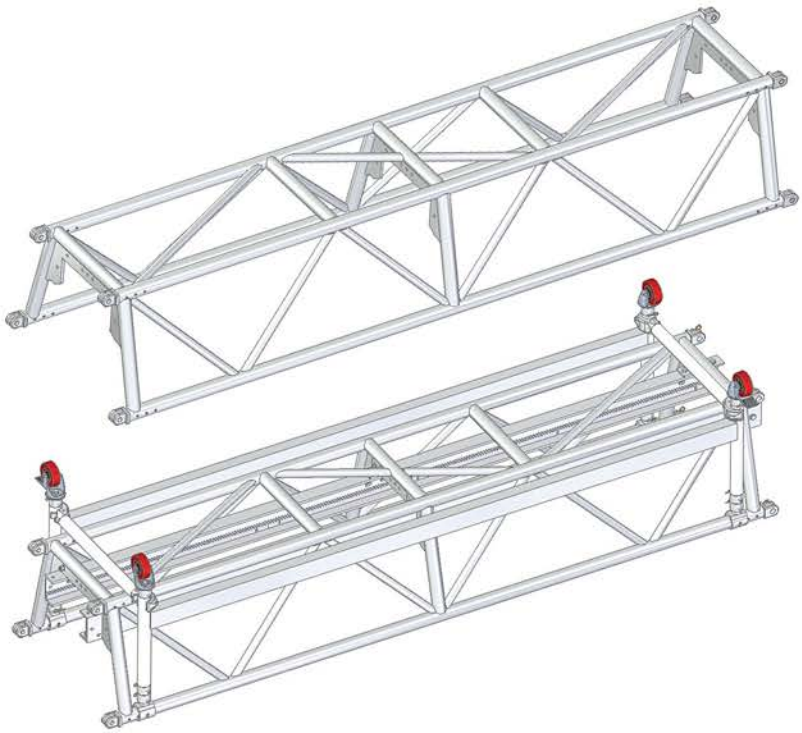
may be brought on the stage with their dolly, which folds upward without the need of being stored when the truss works

easily assembled with the trolley which can be mounted even before rigging activities

use of a few accessories that can be set up also on curved tracks

all trolleys can run on straight and curved tracks

They can be used in various applications to move, open and rotate LED screens, scenery and projectable panels, such as like concerts and other events in general.

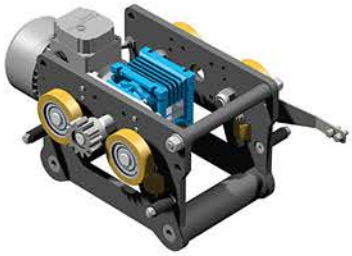


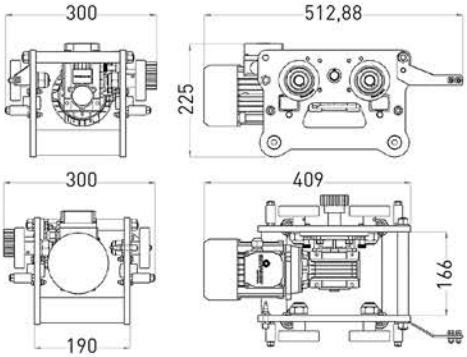
Motorised Trolley

Load capacity: 1200 kg

Motor: 0.25kW, 400V - 1350 rev/min

Silent wheels / Variable speed

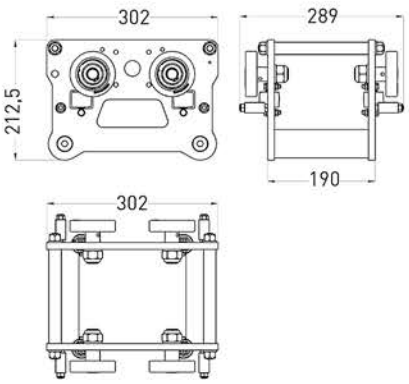




Slave Trolley

Load capacity: 1200 kg

Silent wheels

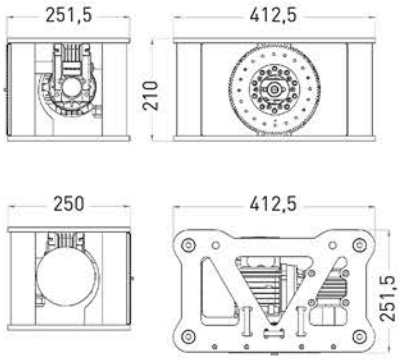


Rotation trolley

Load capacity: 900 kg

Motor: 0.25kW, 400V - 1350 rev/min

Variable speed



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