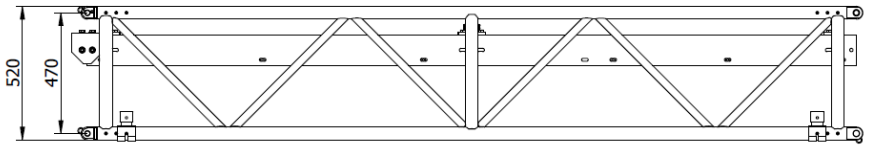

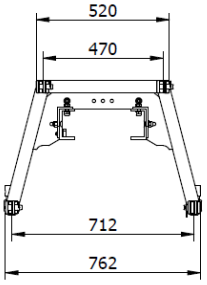

GENERAL DESCRIPTION

The system 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. The possible movements are horizontal (right-left and left-right), vertical (up-down and down-up) and 360° continuous rotation (clockwise and counter clockwise). The elements can be linear or curved. The system consists of a 52 stacking truss provided whit a double track and/or a foldable dolly. It features a motor, a slave and a rotation trolley. It could be made in dark grey to absorb light, but other colors are available on request.

MAIN CHARACTERISTICS

DST52 has a trapezoidal section ad it's stackable. The product's unique stacking design provides a space saving solution, while the fork connection system ensures maximum efficiency. May be brought on the stage with their dolly, which folds upward without the need of being stored when the truss works. Use of a few accessories that can be set up also on curved tracks. Easily assembled with the trolley which can be mounted even before rigging activities. All trolleys can run on straight and curved tracks. It comes equipped with a removable wheeled frame that facilitates easy connectability and maneuverability (only linear truss).

TECHNICAL CHARACTERISTICS

Description	Specification
External dimensions (height x width)	520 - 762 mm x 520 mm
Distance between axis	470 - 712 mm x 470 mm
Lenghtways tubes	Extruded aluminium EN AW-6082 T6 – Ø50 x 4mm
Crossways tubes	Extruded aluminium EN AW-6082 T6 – Ø30 x 3mm
Connecting fork	Aluminium EN AW-6082 T6
Welding process	TIG (ISO 3834 / ISO 9606-02)

Section Area [mm^2]	Self-weight (approx.) [N/m]
2312	140
Moment of Inertia Y – axis [mm^4]	**Moment of Inertia Z – axis [mm^4]**
128.308.123	210.982.426

	UNIF. DISTRIBUITED LOAD			CENTRE POINT LOAD			THIRD POINT LOAD			QUARTER POINT LOAD			FIFTH POINT LOAD		
span	q_{am}	q_{am}·L	defl	$F_{am.}$	$F_{am.}$	defl	$F_{am.}$	$2F_{am.}$	defl	$F_{am.}$	$3F_{am.}$	defl	$F_{am.}$	$4F_{am.}$	defl
[m]	[kg/m]	[kg]	mm	[kg]	[kg]	mm	[kg]	[kg]	mm	[kg]	[kg]	mm	[kg]	[kg]	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

Load table has been prepared in accordance with UNI ENV 1999-1-1 (Eurocode 9). When calculating the allowable loads shown in the table, it is assumed that the load is suspended in the middle part of the truss 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 idealized loading conditions and the User shall re-analyse the truss for the loading condition which prevail for the application begin considered.
Please note that Technical Office of LITEC Italia S.r.l. could work and plan changes to the system standard on request of client.

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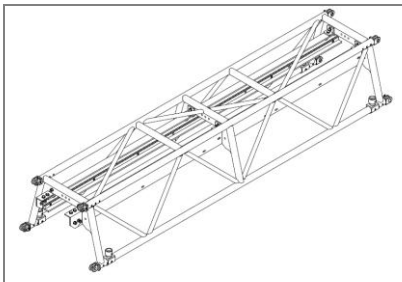
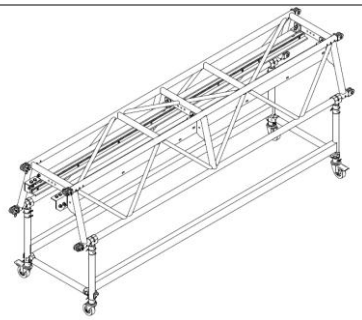
STANDARD TRUSSES:

STK52R



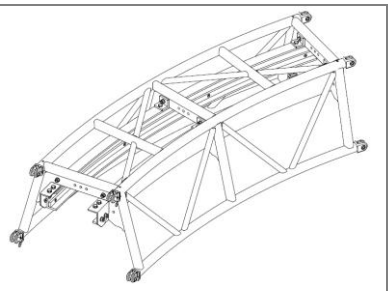
Litec Code	Length [cm]	Weight [kg]
STK52R100	100	38,0
STK52R150	150	51,0
STK52R300	300	88,1

STK52RT



Litec Code	Length [cm]	Weight [kg]
STK52RT100	100	54,4
STK52RT150	150	69,9
STK52RT300	300	116,6

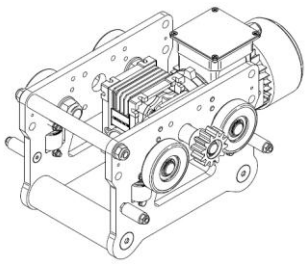
STK52RC



Litec Code	Length min [cm]	Radius min [kg]
STK52RC	≤300	≥400

MODULES:

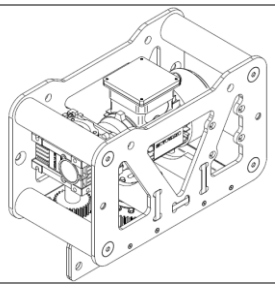
MOTORISED TROLLEY MODULE



Litec Code: STK52MT	50 Hz	60 Hz
Self-weight	1,5 kg	1,5 kg
Load Capacity	600 kg	600 kg
Speed	10,17 m/min	12,21 m/min
Power	0,25 kW	0,3 kW
Volt	400 V	460 V
Ampere	0,91 A	0,91 A
Other	Silent wheels	

Litec Code: STK52MT2	50 Hz	60 Hz
Self-weight	3 kg	3 kg
Load Capacity	600 kg	600 kg
Speed	20,42 m/min	24,5 m/min
Power	0,25 kW	0,3 kW
Volt	400 V	460 V
Ampere	0,91 A	0,91 A
Other	Silent wheels	

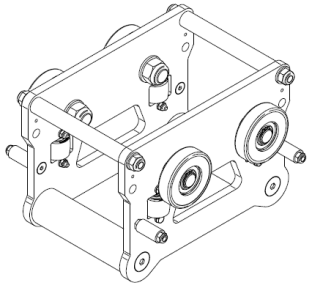
ROTATION MODULE 360°



Litec Code: STK52MR	50 Hz	60 Hz
Self-weight	1,5 kg	1,5 kg
Load Capacity	900 kg	900 kg
Speed	5,65 rpm	6,8 rpm
Power	0,25 kW	0,3 kW
Volt	400 V	460 V
Ampere	0,91 A	0,91 A
Other	Silent wheels	

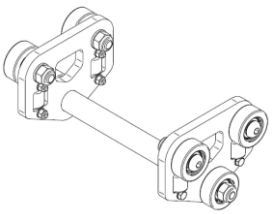
Litec Code: STK52MR2	50 Hz	60 Hz
Self-weight	3 kg	3 kg
Load Capacity	900 kg	900 kg
Speed	11,3 rpm	13,54 rpm
Power	0,25 kW	0,3 kW
Volt	400 V	460 V
Ampere	0,71 A	0,71 A
Other	Silent wheels	

SLAVE TROLLEY



Code: STK52MS	
Load Capacity	600 kg

CABLE CARRIAGE



Code: STK52MC	
Load Capacity	100 kg

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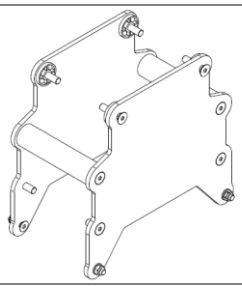
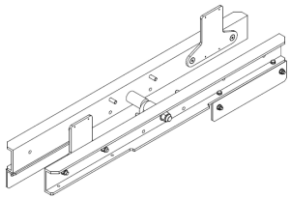
ACCESSORIES:

COUPLING TROLLEY & ROTATION MODULE



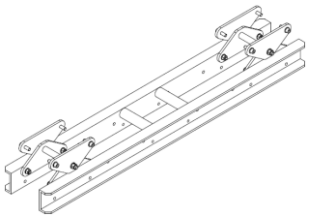
Litec Code	**STK52MURT**
DESCRIPTION	COUPLING FOR **STK52MT**, **STK52MR** AND ELETRONIC ELEMENTS
WEIGHT	8,6 kg

COUPLING TROLLEY & HOIST MODULE



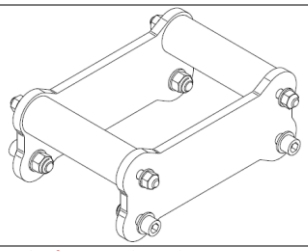
Litec Code	**STK52MTH140**
DESCRIPTION	COUPLING FOR **STK52MT**, HOIST AND ELETRONIC ELEMENTS
WEIGHT	24,3 kg
OTHER	IT CAN BE USED FOR HOIST LOADS

COUPLING TROLLEY & SLAVE MODULE



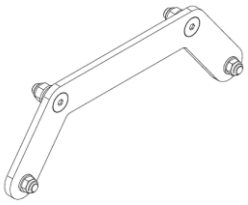
Litec Code	**STK52MS175**
DESCRIPTION	COUPLING FOR STK52MT AND **STK52MS**. IT IS USED TO HAVE A LOAD OF 1200kg.
WEIGHT	32,5 kg
OTHER	IT MUST USE **STK52MAR** ALSO, FOR ROTATION

ROTATION ADAPTER TO COUPLING TROLLEY & SLAVE MODULE



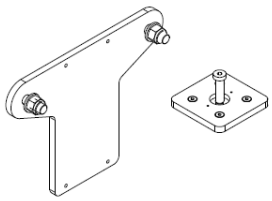
Litec Code	**STK52MAR**
DESCRIPTION	ROTATION ADAPTER TO COUPLING FOR TROLLEY & SLAVE MODULE **STK52MS175**
WEIGHT	3,7 kg

KIT FOR KINESYS ELEVATION



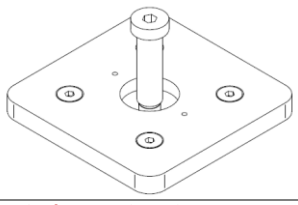
Litec Code	**STK52MUE**
DESCRIPTION	KIT FOR ELETRONIC ELEMENTS (ROTATION AND TRASLATION)
WEIGHT	0,9 kg

KIT FOR KINESYS CONTROL TROLLEY



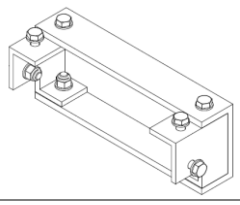
Litec Code	**STK52MUK**
DESCRIPTION	KIT FOR ELETRONIC ELEMENTS
WEIGHT	1,6 kg

KIT FOR KINESYS CONTROL TROLLEY ENCODER



Litec Code	**STK52MKE**
DESCRIPTION	KIT FOR ELETRONIC'S ELEMENTS (ROTATION AND TRASLATION)
WEIGHT	0,3 kg

END STOP MODULE



Litec Code	**STK52MES**
DESCRIPTION	END STOP MODULE FOR RAIL
LENGTH	

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