NSPR36 PRE RIG Truss

NSPR36 PRE RIG TRUSS

The NEXT Truss NSPR36 is designed primarily to transport moving heads or other lighting components when on tour or for quick and easy show setup. The fixed cross bracing on the top makes it simple to load lighting fixtures onto the truss. This job can be prepped in the warehouse.

A folding dolly that can be raised or lowered is included with the truss for simple transportation of both the payload and the truss itself. During the performance or while being stored, the dolly can be folded and stacked. When not in use, the truss component can also be stacked on top of one another.

There is a rotating pin/fork connection on the NSPR36, which as a result, can be used both horizontally and vertically. This allows for the creation of spans that resemble goalposts or a grid.

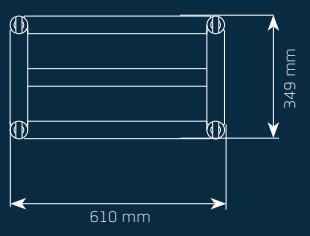
THE ESSENTIALS

- Both Truss and dolly are stackable
- Saves transport, time and space
- Folding dolly with height-adjustable legs

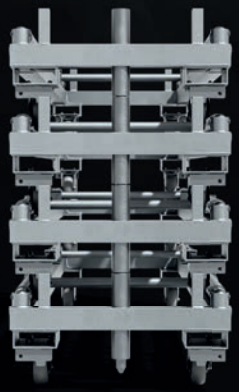
Technical specifications

NSPR36 Truss section		
Height	349 mm	20.8 in
Width	610 mm	15.7 in
Size Main Tube	50 x 4 mm	1.90 x 0.11 in
Size Diagonal Bracing	25 x3 mm	1.18 x 0.12 in
Size Cross Bracing	50 x 4 mm	1.97 x 0.16 in
Weight 2.44 mtr	38.8kg (truss only)	
Weight 1.22 mtr	27,1kg (truss only)	
Pin Position	Horizontal or vertical	
Coupling System	Male/female forkends	
Alloy	EN AW 6082 T6	
NSPR36 Dolly		
Height	800 – 1000 mm (max. height)	
Width	610 mm	
NSPR36 Complete		
Height	1149 – 1349 mm (max. height)	
Width	610 mm	

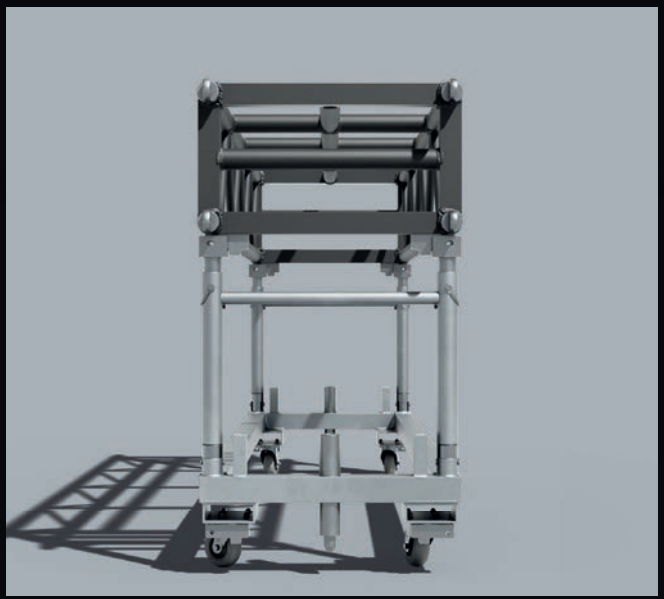
Diagram



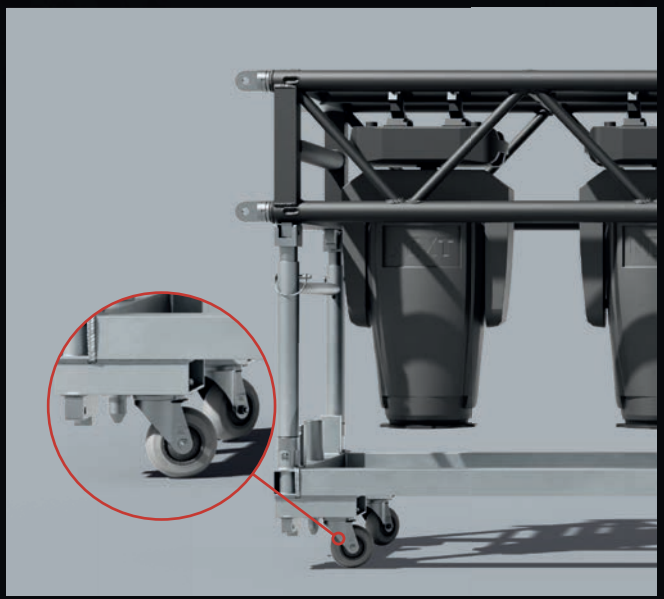
Foldable and stackable dolly (also available for the 122cm) version)



Position points for stacking



The pin-fork connector can rotate to make vertical and horizontal angles, allowing both spans and post or grid configurations.



The dolly is equipped with soft rubber wheels with a special running surface of high quality elastic solid rubber, rolling is changed to the feeling of soft sliding. Perfect for delicate loading parts such as moving head.

NSPR36 LENGTHS

Productcode	Description
NSPR36-244	PRE RIG TRUSS, FIXED LENGTH=244 cm
NSPR36-122	PRE RIG TRUSS, FIXED LENGTH=122 cm
NSPR36-244DF	PRE RIG TRUSS, FOLDABLE DOLLY LENGTH=244 cm
NSPR36-122DF	PRE RIG TRUSS, FOLDABLE DOLLY LENGTH=122 cm
NXA-LP16	LOCKING PIN 16 MM (truss)
NC2-RS3	SAFETY R-CLIP 3 mm
NXA-LP10	LOCKING PIN 10 MM (dolly)

NSPR36 Loading charts

Metric Loading Charts

Span	UDL		CPL		1/3 Point load		1/4 Point load		1/5 Point load	
m	kg/m	mm	kg	mm	kg (2x)	mm	kg (3x)	mm	kg (4x)	mm
2,4	1963,2	2,5	3086*	2,5	2395,1*	3,3	1596,7	3,1	1197,5	3
3,66	1303	8,3	2466*	6,9	1534*	7,3	1158*	7,6	930*	7,8
4,88	916,9	18,5	2014*	13,4	1326*	15	1018*	16,1	848*	17
6,1	580,6	29	1682*	22,3	1142*	25,6	885,3	27,6	737,8	29,2
7,32	397,8	41,8	1442*	33,5	994*	39	728	39,8	606,7	42,1
8,54	287,7	57	1228,3	46,3	875*	55,4	614,2	54,3	511,8	57,4
9,76	216,2	74,6	1054,8	60,9	783*	75,4	527,4	71,2	439,5	75,1
10,98	167,1	94,6	917,6	77,6	688,2	96,5	458,8	90,4	382,3	95,3
12,2	132,1	117,1	805,6	96,6	604,2	119,3	402,8	112	335,7	117,9
13,42	106,1	142	712,1	118	534	144,7	356	136	296,7	143
14,64	86,4	169,5	632,3	141,8	474,3	172,6	316,2	162,6	263,5	170,6

Imperial Loading Charts

Span	UDL		CPL		1/3 Point load		1/4Point load		1/5 Point load	
ft	lbs/ft	in	lbs	in	lbs (2x)	in	lbs (3x)	in	lbs (4x)	in
7,9	1319	1	6803*	1	5280*	1	3520	1	2640	1
12,0	876	3	5437*	3	3382*	3	2553*	3	2050*	3
16,0	616	7	4440*	5	2923*	6	2244*	6	1870*	7
20,0	390	11	3708*	9	2518*	10	1952	11	1627	11
24,0	267	16	3179*	13	2191*	15	1605	16	1338	17
28,0	193	22	2708	18	1929*	22	1354	21	1128	23
32,0	145	29	2325	24	1726*	30	1163	28	969	30
36,0	112	37	2023	31	1517	38	1011	36	843	38
40,0	89	46	1776	38	1332	47	888	44	740	46
44,0	71	56	1570	46	1177	57	785	54	654	56
48,0	58	67	1394	56	1046	68	697	64	581	67

• The open plane of the truss must always be placed in the tension zone! Spans with more than 2 support point must be calculated due to buckling reasons! The table is only valid for a single beam with 2 outer supports and open plane downwards.
• High values of distributed loads are idealized. Loads must be applied to node points!
• Full loading tables are available on request.

** limited by interaction of shear and moment at the connection*
Displacement connection is decisive!