



NX32 LADDER Truss



NX32 LADDER

The most standard truss for the exhibition industry, it is our mid-sized ladder truss that is meant for medium-duty use. The NX32 truss is made of main tubes (51 x 2 mm) and braces (16 x 2 mm).

The NX32 ladder truss can be used perfectly for trade shows, exhibitions, fairs, etc. But it is also a product that is a popular choice for many other purposes and applications.

Equipped with the NC1 conical coupling system, the NX32 truss is quick and easy to assemble. NX32 truss also has a series of corners and accessories.

THE ESSENTIALS

- Fast and easy assembly
- Lightweight system
- Ideal for exhibitons & indoor use
- Low volume

Technical specifications

Height	290 mm	11.42 in
Width	51 mm	2 in
Size Main Tube	51 x 2 mm	2 x 0.8 in
Size Bracing	16 x 2 mm	0.62 x 0.08 in
Weight	~2,3 kg/mtr	~1.5 lb/ft
Pin Position	Vertical	
Coupling System	NC1	
Alloy	EN AW 6082 T6	

Diagram





NX32 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	451	1,5	876*	2,3	451	2	300	1,9	225	1,8	
3	300	5	654*	5,8	437*	6,5	300	6,3	225	6	
4	224	11,8	518*	10,9	358*	12,8	283*	14	224,6	14,2	
5	179	23	427*	17,6	303*	21,2	228*	22,2	184*	22,8	
6	129	34,6	362*	25,9	260*	31,6	191*	32,3	154*	33,2	
7	94	47,2	315*	36,1	226*	44	163*	44	133*	45,7	
8	72	61,7	274*	47,3	201*	58,7	141*	57,6	116*	60,4	
9	56	78,1	244*	60,7	179*	75,2	126*	73,7	103*	76,5	
10	45	96,5	220*	76	162*	93,9	112*	91,1	93*	95,4	

Imperial Loading Charts

Span		UDL		CPL		1/3 Point load		1/4 Point load		1/5 Point load	
ft	lbs/ft	in	lbs	in	lbs (2x)	in	lbs (3x)	in	lbs (4x)	in	
6,6	303	0,6	1931*	0,9	995	0,8	663	0,7	497	0,7	
9,8	201	2,0	1441*	2,3	963*	2,6	661	2,5	496	2,4	
13,1	150	4,6	1142*	4,3	789*	5,0	623*	5,5	495	5,6	
16,4	120	9,1	941*	6,9	668*	8,3	502*	8,7	405*	9,0	
19,7	87	13,6	798*	10,2	573*	12,4	421*	12,7	339*	13,1	
22,97	63	18,6	694*	14,2	498*	17,3	359*	17,3	293*	18,0	
26,25	48	24,3	604*	18,6	443*	23,1	310*	22,7	255*	23,8	
29,53	38	30,7	537*	23,9	394*	29,6	277*	29,0	227*	30,1	
32,81	30	38,0	485,*	29,9	357*	37,0	246*	35,9	205*	37,6	

These values are usable for a lateral supported main tube. To reach full load capacity the maximum distance without lateral stabilization is: 1200,0 mm

- 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!



NH32 LADDER Truss



Heavy Duty
48.3x3 mm



NH32 LADDER

The NH32 Ladder truss is engineered from main tubes (48.3 x 3 mm) and braces (16 x 2 mm). It is our mid-sized ladder truss.

Equipped with the NC1 conical coupling system, the NH32 truss is fast and easy to assemble.

Ladder trusses can be used in a broad range of applications. They are usually used indoors for small lighting applications. For example in TV or photo studios, or to install curtains in theatre settings. Ladder Truss is also ideal for a more decorative application in a commercial environment

NH32 truss also has a series of corners and accessories.

THE ESSENTIALS

- Fast and easy assembly
- TÜV Approved
- Lightweight system
- Ideal for exhibits & indoor use
- Low volume

Technical specifications

Height	287 mm	11.3 in
Width	48.3 mm	1.9 in
Size Main Tube	48.3 x 3 mm	1.9 x 0.12 in
Size Bracing	16 x 2 mm	0.62 x 0.08 in
Weight	~2.8 kg/mtr	~1.9 lb/ft
Pin Position	Vertical	
Coupling System	NC1	
Alloy	EN AW 6082 T6	

Diagram





NH32 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	457	1.1	914	1.7	457	1.5	304	1.4	228	1.3
3	303	3.7	911	5.8	455	5	303	4.6	227	4.4
4	227	8.7	812	12.4	454	11.8	303	11	227	10.5
5	181	17	647	19.3	453	23	302	21.4	226	20.5
6	150	29.3	537	27.9	402	35.5	268	33	223	35
7	128	46.6	458	38.1	343	48.4	229	45	190	47.7
8	99	61.9	398	49.8	298	63.2	199	58.8	166	62.3
9	78	78.3	351	63.2	263	80	175	74.6	146	78.9
10	62	96.8	314	78.3	235	98.9	157	92.2	130	97.5

Imperial Loading Charts

Span	UDL		CPL		1/3 Point load		1/4 Point load		1/5 Point load	
ft	lbs/ft	in	lbs	in	lbs (2x)	in	lbs (3x)	in	lbs (4x)	in
6,6	307	0	2015	1	1008	1	672	1	504	1
9,8	204	1	2010	2	1005	2	670	2	502	2
13,1	153	3	1791	5	1002	5	668	4	501	4
16,4	122	7	1427	8	999	9	666	8	500	8
19,7	101	12	1184	11	888	14	592	13	493	14
22,97	86	18	1010	15	757	19	505	18	421	19
26,25	66	24,4	878	19,6	658	24,9	439	23,1	366	24,5
29,53	52	30,8	775	24,9	581	31,5	387	29,4	323	31,1
32,81	42	38,1	692	30,8	519	38,9	346	36,3	288	38,4

These values are usable for a lateral supported main tube. To reach full load capacity the maximum distance without lateral stabilization is: 1100,0 mm

• High values of distributed loads are idealized. Loads must be applied to node points!

• Full loading tables are available on request.



NX32 LENGTHS



Productcode	Description
NX32-021	LADDER NX32 LENGTH 21 CM 51X2mm
NX32-025	LADDER NX32 LENGTH 25 CM 51X2mm
NX32-029	LADDER NX32 LENGTH 29 CM 51X2mm
NX32-050	LADDER NX32 LENGTH 50 CM 51X2mm
NX32-058	LADDER NX32 LENGTH 58 CM 51X2mm
NX32-071	LADDER NX32 LENGTH 71 CM 51X2mm
NX32-075	LADDER NX32 LENGTH 75 CM 51X2mm
NX32-100	LADDER NX32 LENGTH 100 CM 51X2mm
NX32-150	LADDER NX32 LENGTH 150 CM 51X2mm
NX32-200	LADDER NX32 LENGTH 200 CM 51X2mm
NX32-250	LADDER NX32 LENGTH 250 CM 51X2mm
NX32-300	LADDER NX32 LENGTH 300 CM 51X2mm
NX32-350	LADDER NX32 LENGTH 350 CM 51X2mm
NX32-400	LADDER NX32 LENGTH 400 CM 51X2mm

NH32 LENGTHS



Productcode	Description
NH32-021	LADDER NH32 LENGTH 21 CM 48,3x3mm
NH32-025	LADDER NH32 LENGTH 25 CM 48,3x3mm
NH32-029	LADDER NH32 LENGTH 29 CM 48,3x3mm
NH32-050	LADDER NH32 LENGTH 50 CM 48,3x3mm
NH32-058	LADDER NH32 LENGTH 58 CM 48,3x3mm
NH32-071	LADDER NH32 LENGTH 71 CM 48,3x3mm
NH32-075	LADDER NH32 LENGTH 75 CM 48,3x3mm
NH32-100	LADDER NH32 LENGTH 100 CM 48,3x3mm
NH32-150	LADDER NH32 LENGTH 150 CM 48,3x3mm
NH32-200	LADDER NH32 LENGTH 200 CM 48,3x3mm
NH32-250	LADDER NH32 LENGTH 250 CM 48,3x3mm
NH32-300	LADDER NH32 LENGTH 300 CM 48,3x3mm
NH32-350	LADDER NH32 LENGTH 350 CM 48,3x3mm
NH32-400	LADDER NH32 LENGTH 400 CM 48,3x3mm

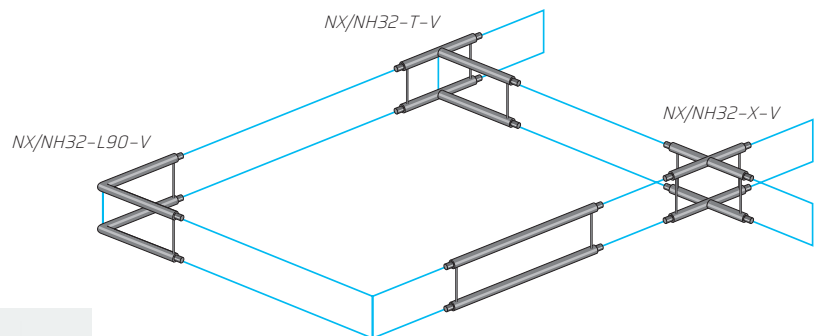
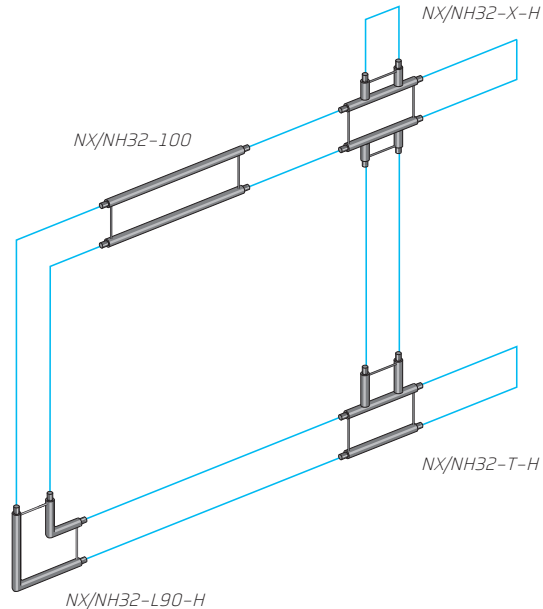


NX/NH32 Corners

In the NX/NH32 series, corner pieces are widely represented, there are many possibilities to perfectly connect the NX/NH32 corner collection with the straight elements. Let your creativity run wild because these corner pieces offer endless

possibilities. The NX/NH32 series allows a wide variety of structural shapes up to three levels by using corners, crosspieces, T and X-pieces.

Productcode	Size in cm
NX/NH32-L45-H	100x100
NX/NH32-L45-V	100x100
NX/NH32-L60-H	100x100
NX/NH32-L60-V	100x100
NX/NH32-L90-H	50x50
NX/NH32-L90-V	50x50
NX/NH32-L120-H	50x50
NX/NH32-L120-V	50x50
NX/NH32-L135-H	50x50
NX/NH32-L135-V	50x50
NX/NH32-T-H	71x50
NX/NH32-T-V	95x50
NX/NH32-X-H	71x71
NX/NH32-X-V	95x95



NBOX-32 Box corner

Box corner NX/NH32



The Box Corners from NEXT Truss for the 32 series enable you to create corners up to 4 ways in configurations of 90-degree angles. To create these configurations attachments can be screwed onto the box corner using bolts. These connections are available in various sizes and types, depending on what kind of angle needs to be made.

Technical specifications	
Height	289 mm
Width	50mm
Size Main Tube	50 x 3,5 mm
Weight	1,1 kg
Pin Position	Vertical
Coupling System	NC1
Bolt size	M12
Alloy	EN AW 6082 T6

BOX Attachments	
Productcode	Description
BOX-SCON-ST	STEEL HALF COUPLER HOLE/M12 FOR BOX CORNERS
NC1-BOB75	FEMALE COUPLER 12MM HOLE L=75mm
NC1-BOB105	FEMALE COUPLER 12MM HOLE L=105mm

All corners are shown without bracing to improve indication of direction.