

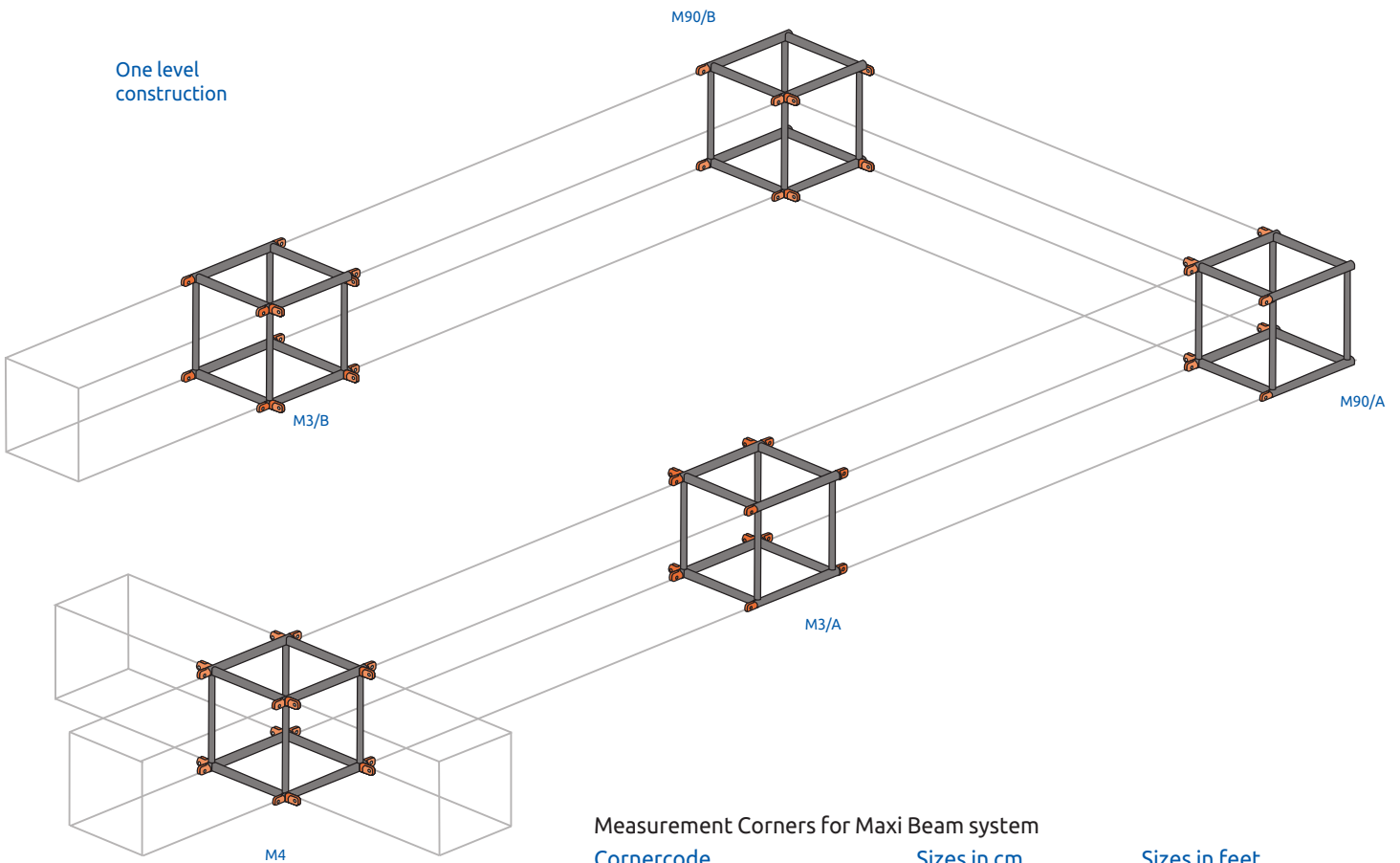
Fork Maxi – Maxi Beam Square Truss

One level constructions – Maxi Beam corners

Maxi Beam truss construction

The Maxi Beam structures on one level allows various structural shapes by using corners and tees as well as using crosses.

One level construction



Measurement Corners for Maxi Beam system

Cornercode	Sizes in cm	Sizes in feet
M90/A – 2 Way 90 dgr/ A	64,3 x 64,3	2,11 x 2,11
M90/B – 2 Way 90 dgr/ B	64,3 x 64,3	2,11 x 2,11
M3/A – 3 Way T-joint/ A	71,8 x 64,3	2,36 x 2,11
M3/B – 3 Way T-joint/ B	71,8 x 64,3	2,36 x 2,11
M4 – 4-Way X-joint	71,8 x 71,8	2,36 x 2,36

Loadcases Maxi Beam Square Truss

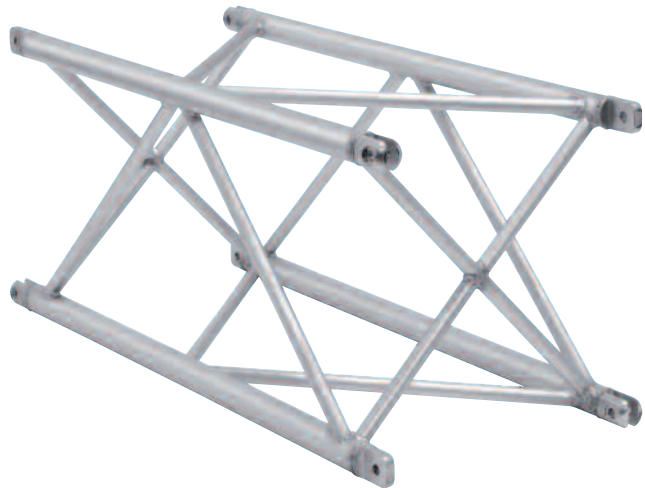
Unit		EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length in	m l ft	10	32,8	14	45,92	16	52,48	18	59,04	22	72,16	26	85,28
CPL in	kg l lbs	1833	4033	1341	2950	1175	2585	1032	2270	809	1780	639	1406
Deflection in	mm l inch	28	1,12	59	2,36	78	3,12	100	4	125	5	215	8,6
UDL in	kg/mtr l lbs/ft	403	271	200	134	150	101	116	78	74	50	49	33
Deflection	mm l inch	38	1,52	74	2,96	97	3,88	122	4,88	151	6,04	256	10,24

Fork Heavy – Nova Beam Square Truss

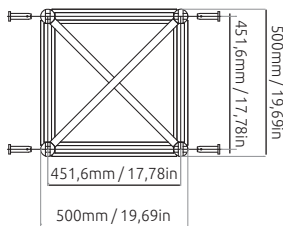
The fork end truss system for touring and installation

Nova Beam Truss

- 4,47mm (0,18in) wall thickness of 48,4mm (2,36in) main tube
- High stability aluminium alloy
- Highest standard:TUEV-approved
- High wear resistance
- Welded slots
- Cross Braces



Dimensions Nova Beam



Nova Beam Square Truss

Nova Beam is a heavy square duty truss, purpose designed and built to meet the rigorous requirements of touring and situations where fast and easy erection and dismantling is essential.

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It is a 500mm (1,64ft) square truss and comes in metric and feet lengths and uses the original fork end fitting joints for ease of construction. Nova Beam is manufactured from high grade aluminium alloy and is engineered to conform to the latest EN and DIN standards.

The Nova Beam Range comes complete with all the usual corners, swivels and hinges and in combination with the GS Truss Tower Nova Beam Truss is ideal for ground supported installations.

Measurements Nova Beam Square Truss

	Size in cm	Size in inch
Main tube:	48,4 x 4,47mm	2,36 x 0,18in
Braces:	25x 3mm	0,98 x 0,12in
Material:	EN AW-6082 T6	EN AW-6082 T6
Connection:	GP+R3	GP+R3
Weight:	~15,5kg/m	~10,4lbs/ft

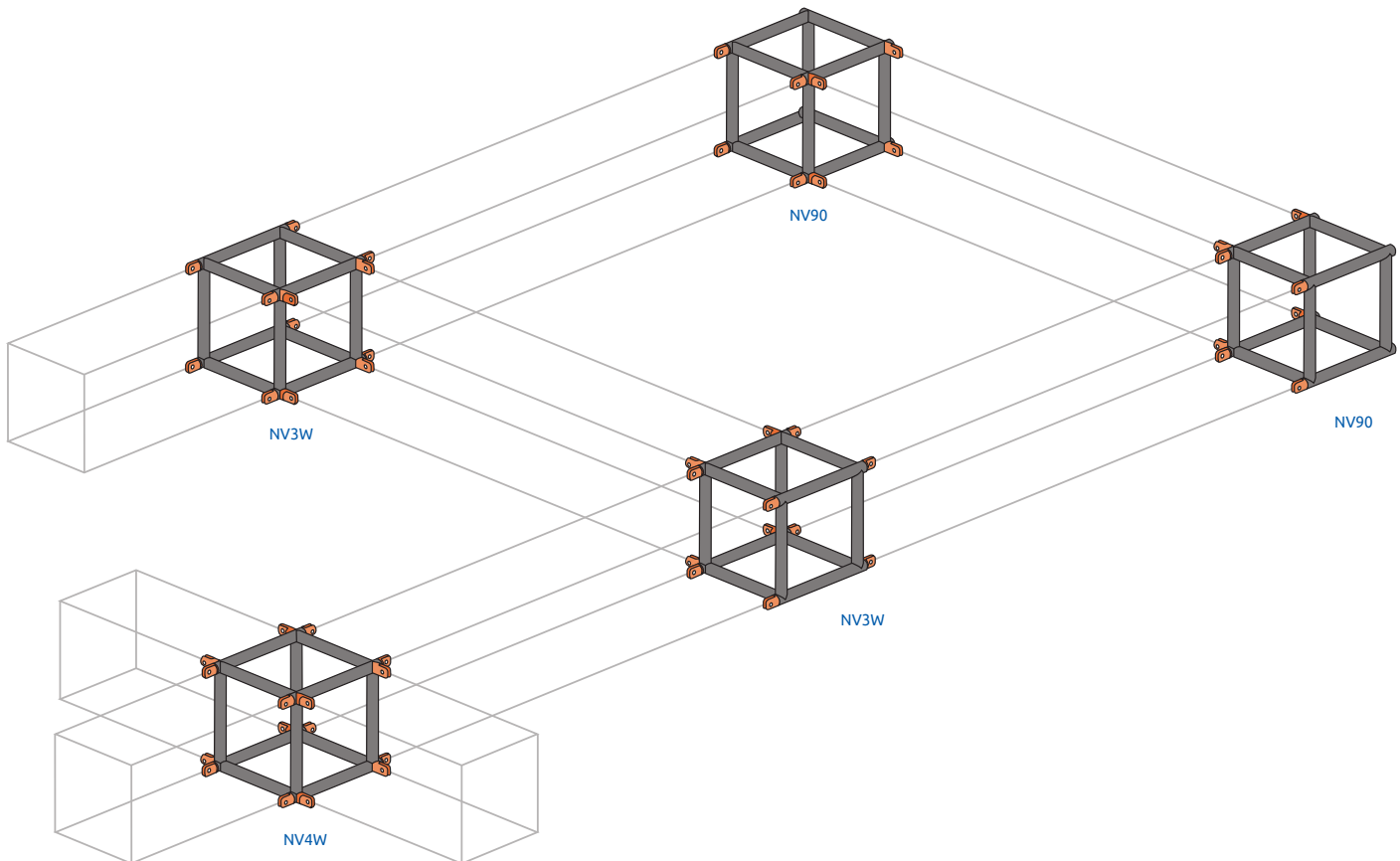
Fork Heavy – Nova Beam Square Truss

One level constructions – Nova Beam corners

Nova Beam construction

The Nova Beam has an unique fork end fitting arrangement, making the system more flexible and interchangeable reducing the requirement for large quantities of corner blocks in your inventory.

One level construction



One level construction Nova Beam

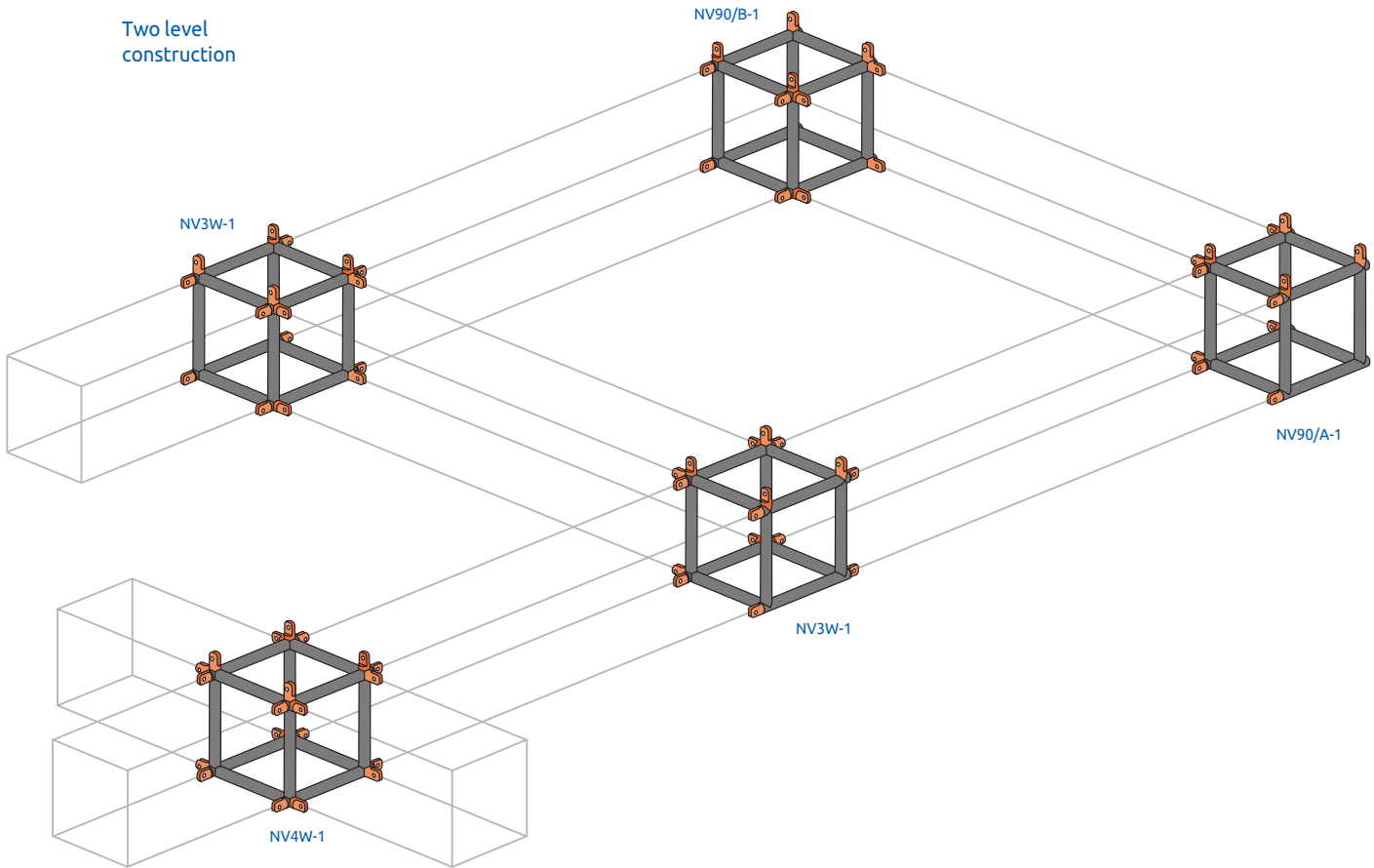
Cornercode	Sizes in cm	Sizes in feet
NV90 – 2 Way 90 dgr	52,6 x 52,6	1,72 x 1,72
NV2W – 2-Way Straight Through Corner	60,0 x 45,2	1,97 x 1,48
NV3W – 3 Way T-joint	60,0 x 52,6	1,97 x 1,72
NV4W – 4 Way X-joint	60,0 x 60,0	1,97 x 1,97

Loadcases Nova Beam Square Truss

	Unit	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length in	m l ft	10	32,8	14	45,92	16	52,48	18	59,04	22	72,16	24	78,72
CPL in	kg l lbs	1291	2840	871	1916	734	1615	633	1393	499	1098	430	946
Deflection in	mm l inch	32	1,28	63	2,52	83	3,32	106	4,24	133	5,32	212	8,48
UDL in	kg/mtr l lbs/ft	258	173	124	84	92	62	72	48	59	40	43	29
Deflection	mm l inch	40	1,6	79	3,16	103	4,12	130	5,2	161	6,44	256	10,24

Fork Heavy – Nova Beam Square Truss

More level constructions – Nova Beam corners



Two level construction

NV90/B-1

NV3W-1

NV90/A-1

NV3W-1

NV4W-1

Two level construction Nova Beam

Cornercode

Sizes in cm

Sizes in feet

Cornercode	Sizes in cm	Sizes in feet
NV90-1 – 3 Way 90 dgr + One Face	52,6 x 52,6 x 52,6	1,72 x 1,72 x 1,72
NV2W-1 – 3-Way Straight Through Corner + One Face	60,0 x 45,2 x 52,6	1,97 x 1,48 x 1,72
NV3W-1 – 4 Way T-joint + One Face	60,0 x 52,6 x 52,6	1,97 x 1,72 x 1,72
NV4W-1 – 5 Way X-joint + One Face	60,0 x 60,0 x 52,6	1,97 x 1,97 x 1,72

Loadcases Nova Beam Square Truss

Length in	Unit m l ft	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
		10	32,8	14	45,92	16	52,48	18	59,04	22	72,16	24	78,72
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Deflection in	mm l inch	32	1,28	63	2,52	83	3,32	106	4,24	133	5,32	212	8,48
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Deflection	mm l inch	40	1,6	79	3,16	103	4,12	130	5,2	161	6,44	256	10,24

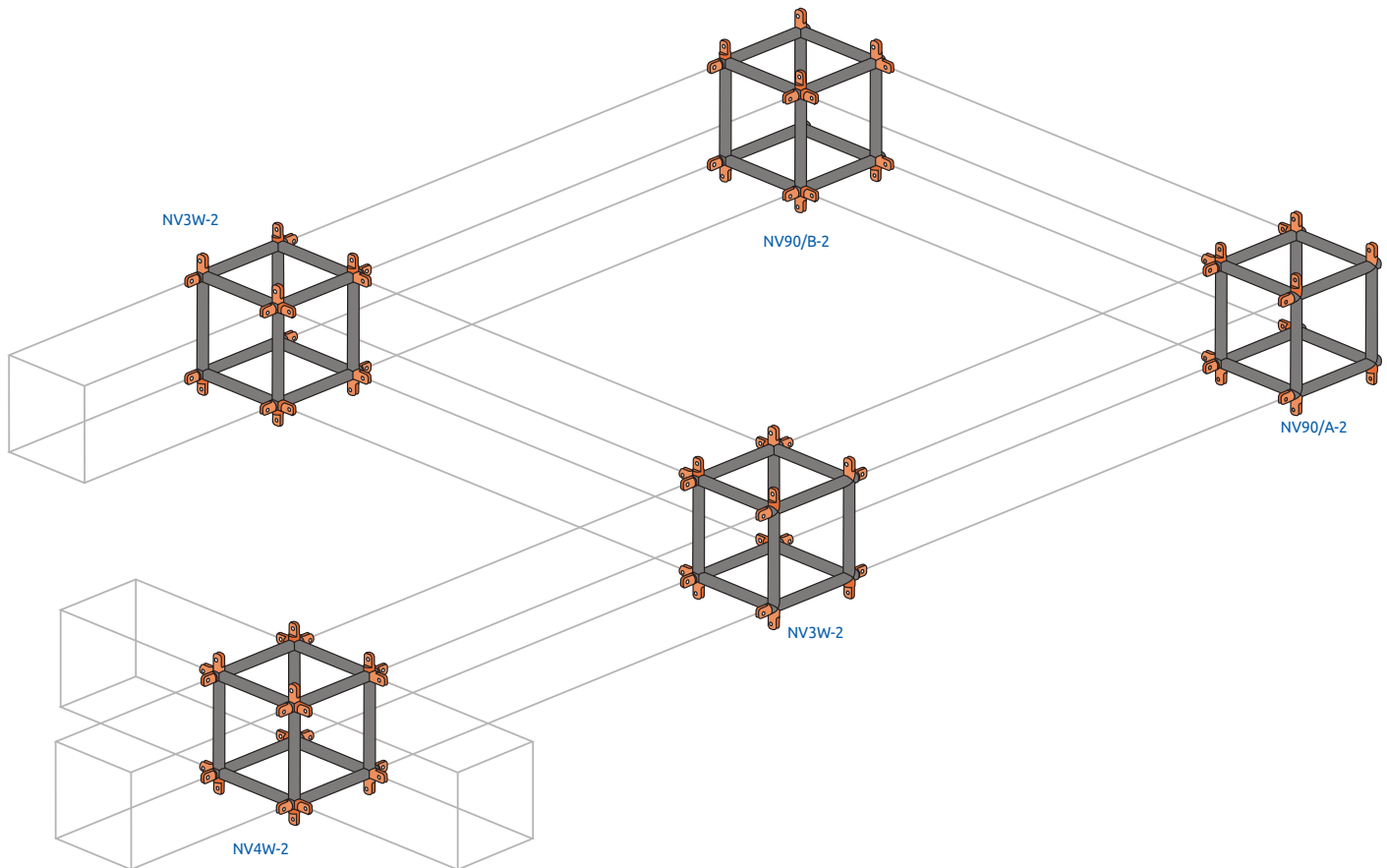
Fork Heavy – Nova Beam Square Truss

More level constructions – examples for up to three level corners

Nova Beam Construction

The Nova Beam has an unique fork end fitting arrangement, making the system more flexible and interchangeable reducing the requirement for large quantities of corner blocks in your inventory.

Three level construction



Three level construction Nova Beam

Cornercode	Sizes in cm	Sizes in feet
NV90-2 – 4 Way 90 dgr + Two Faces	52,6 x 52,6 x 60,0	1,72 x 1,72 x 1,97
NV2W-2 – 3-Way Straight Through Corner + Two Faces	60,0 x 45,2 x 60,0	1,97 x 1,48 x 1,97
NV3W-2 – 4 Way T-joint + Two Faces	60,0 x 52,6 x 60,0	1,97 x 1,72 x 1,97
NV4W-2 – 5 Way X-joint + Two faces	60,0 x 60,0 x 60,0	1,97 x 1,97 x 1,97

Loadcases Nova Beam Square Truss

	Unit	EU	US	EU	US	EU	US	EU	US	EU	US	EU	US
Length in	m l ft	10	32,8	14	45,92	16	52,48	18	59,04	22	72,16	24	78,72
CPL in	kg l lbs	1291	2840	871	1916	734	1615	633	1393	499	1098	430	946
Deflection in	mm l inch	32	1,28	63	2,52	83	3,32	106	4,24	133	5,32	212	8,48
UDL in	kg/mtr l lbs/ft	258	173	124	84	92	62	72	48	59	40	43	29
Deflection	mm l inch	40	1,6	79	3,16	103	4,12	130	5,2	161	6,44	256	10,24