



# BGR35 Pre Rig

Product Specific Brochure

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# Pre Rig Truss

## SMART RIGGING, SIDE ENTRY LOAD-INS, FULL PROTECTION, ONE-PERSON HANDLING

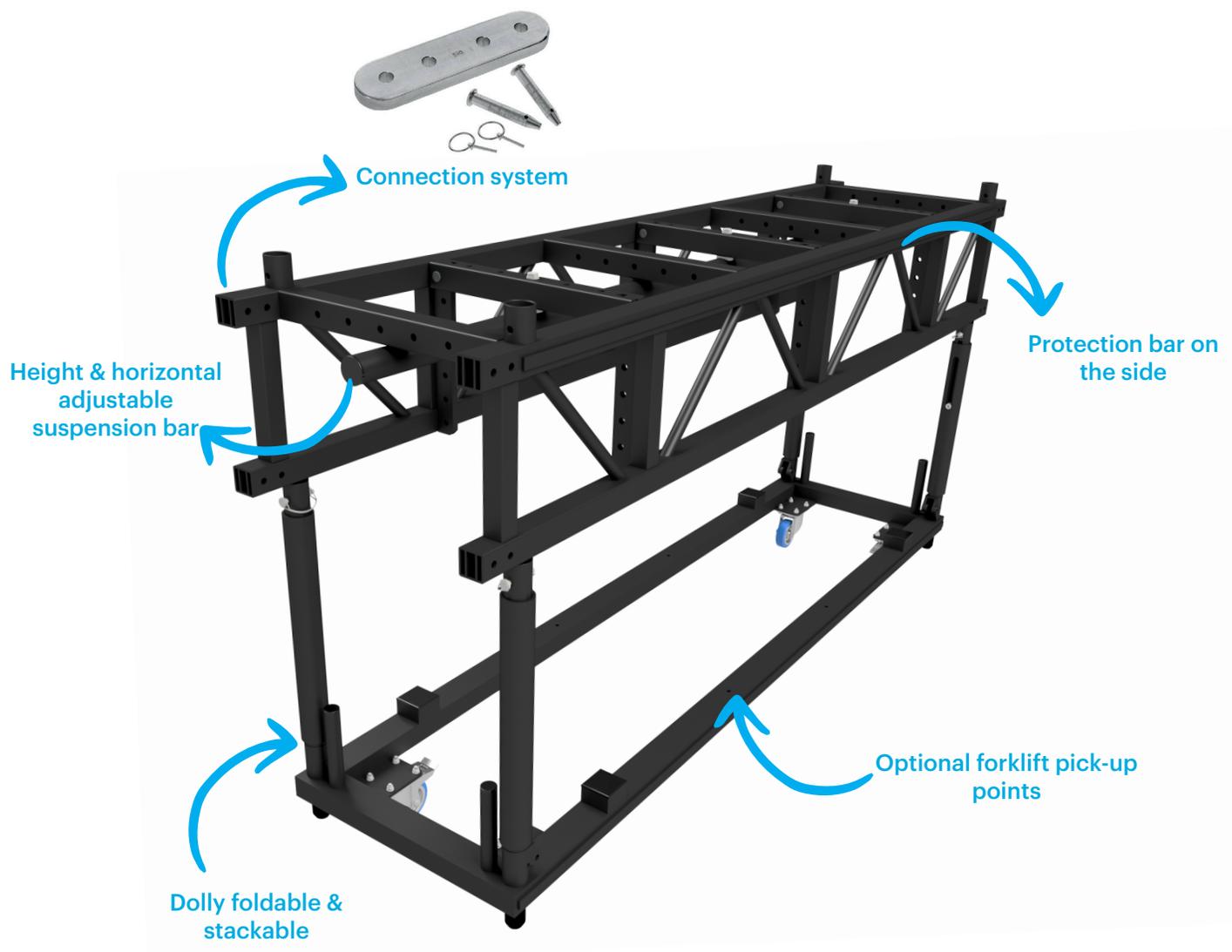
The PROLYTE BGR35 pre-rig truss system is designed for fast, efficient rigging and safe transport of pre-mounted lighting fixtures. With its robust construction, the system offers maximum flexibility, durability and ease of handling for touring and fixed installations. The truss has a width of 600 mm to match standard truck dimensions..

Both the truss modules and the dollies are fully compatible, allowing stacking with or without a dolly. Full side protection on both the truss and dolly prevents damage during transport and storage, while foldable dolly legs reduce storage space.

Flexible and fixed cross members (depending on model) enable precise fixture positioning, with M12 mounting holes for easy and secure placement. The system is available in multiple standard lengths to suit a wide range of applications.

The truss is equipped with the BGR connection system, which enables you to connect truss modules together without any tools. Using spacers in the upper chords enables deflection to be reduced to zero where required. Multiple accessories such as lifting brackets, forklift pick-up points and flexible corners are available to customise your model to your personal requirements.

Both series are designed for one-person handling during load-in and load-out.



# Pre-rig truss

## PRE-RIG FIXED MODEL

Reliable performance. Cost-effective solution. The Pre-rig fixed model delivers everything you need for efficient pre-rigging without unnecessary complexity, ideal for budget-conscious productions and rental inventories.



### BGR35 PRE-RIG TRUSS SERIES FIXED CENTRE CHORD

Standard available lengths and codes

Metres	Feet	Weight (kg)	Weight (lbs)	Description	Code	Item number
1.22	4	21.8	48.05	BGR35 PRE-RIG TRUSS FIXED LENGTH 122 CM	BGR35PRF-L122	11110721
2.44	8	42.5	93.67	BGR35 PRE-RIG TRUSS FIXED LENGTH 244 CM	BGR35PRF-L244	11110722
3.05	10	52.6	115.93	BGR35 PRE-RIG TRUSS FIXED LENGTH 305 CM	BGR35PRF-L305	11110723
<b>Black powder coated RAL9005 textured</b>						
1.22	4	21.8	48.05	BGR35 PRE-RIG TRUSS FIXED LENGTH 122 CM RAL9005 TXT	PC-BGR35PRF-L122-RAL9005-TXT	11110724
2.44	8	42.5	93.67	BGR35 PRE-RIG TRUSS FIXED LENGTH 244 CM RAL9005 TXT	PC-BGR35PRF-L244-RAL9005-TXT	11110725
3.05	10	52.6	115.93	BGR35 PRE-RIG TRUSS FIXED LENGTH 305 CM RAL9005 TXT	PC-BGR35PRF-L305-RAL9005-TXT	11110726

Other lengths available on request

## PRE-RIG ADJUSTABLE MODEL

Maximum flexibility. Touring-grade performance. Designed for demanding professional environments, the adjustable offers advanced adjustability, tool-free operation and expansion options.

### HEIGHT ADJUSTABLE SUSPENSION BAR

Horizontal profile 50x50 mm:

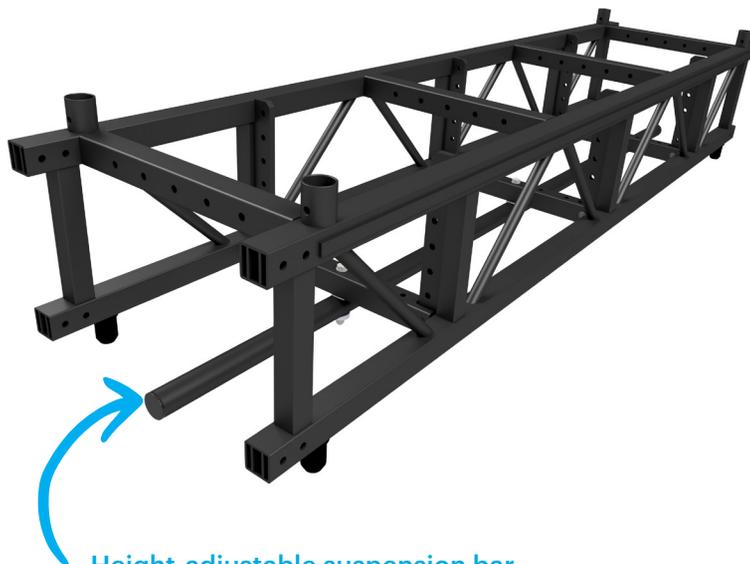
- 5x12.5 mm holes (to attach different or additional profiles)

Suspension bar 50x4 mm.

Tube options:

- Tube with Helm 100 profile
- I-track profile

7 different heights in steps of 50 mm; 5x12.5 mm holes in (to attach different or more profiles)



Height-adjustable suspension bar

### BGR35 PRE-RIG TRUSS SERIES ADJUSTABLE CENTRE CHORD

Standard available lengths and codes

Metres	Feet	Weight (kg)	Weight (lbs)	Description	Code	Item number
1.22	4	23.4	51.57	BGR35 PRE-RIG TRUSS ADJUSTABLE LENGTH 122 CM	BGR35-PRA-L122	11110727
2.44	8	44.8	98.74	BGR35 PRE-RIG TRUSS ADJUSTABLE LENGTH 244 CM	BGR35-PRA-L244	11110728
3.05	10	55.1	121.44	BGR35 PRE-RIG TRUSS ADJUSTABLE LENGTH 305 CM	BGR35-PRA-L305	11110729
<b>Black powder-coated RAL9005 textured</b>						
1.22	4	23.4	51.57	BGR35 PRE-RIG TRUSS ADJUSTABLE LENGTH 122 CM RAL9005 TXT	PC-BGR35PRA-L122-RAL9005-TXT	11110730
2.44	8	44.8	98.74	BGR35 PRE-RIG TRUSS ADJUSTABLE LENGTH 244 CM RAL9005 TXT	PC-BGR35PRA-L244-RAL9005-TXT	11110731
3.05	10	55.1	121.44	BGR35 PRE-RIG TRUSS ADJUSTABLE LENGTH 305 CM RAL9005 TXT	PC-BGR35PRA-L305-RAL9005-TXT	11110732

Other lengths available on request

# Allowable loading

## BGR35 pre-rig series - allowable load

SPAN		Uniformly Distributed Load		DEFLECTION		MAXIMUM ALLOWABLE POINT LOADS										SPAN		
		UDL				CPL		DEFLECTION		TPL		QPL		FPL				
m	ft	kg/m	lbs/ft	mm	inch	kg	lbs	mm	inch	kg	lbs	kg	lbs	kg	lbs	kg	lbs	Total weight
4	13.1	1132	762	6	0.2	2730	6025	6	0.2	1918	4233	1509	3330	1132	2498			92
5	16.4	901.0	606	11	0.4	2251	4968	9	0.4	1573	3471	1215	2682	961	2121			115
6	19.7	727.0	489	19	0.7	1908	4211	13	0.5	1348	2976	1018	2246	812	1792			138
7	23.0	528.0	355	26	1.0	1649	3640	19	0.7	1176	2595	872	1924	700	1545			161
8	26.2	399.0	269	33	1.3	1446	3192	25	1.0	1039	2293	759	1675	613	1352			184
9	29.5	311.0	209	42	1.7	1282	2830	32	1.3	927	2046	669	1477	542	1197			207
10	32.8	248.0	167	52	2.0	1146	2530	40	1.6	834	1840	595	1314	484	1069			230
11	36.1	201.0	135	64	2.5	1031	2276	49	1.9	754	1664	534	1178	435	961			253
12	39.4	165.0	111	76	3.0	932	2058	59	2.3	685	1513	481	1061	393	868			276
13	42.6	138.0	93	89	3.5	846	1868	71	2.8	625	1380	435	960	357	788			299
14	45.9	116.0	78	104	4.1	770	1700	83	3.3	572	1262	395	872	325	717			322
15	49.2	98.0	66	119	4.7	702	1550	97	3.8	524	1157	359	793	296	654			345
16	52.5	84.0	56	136	5.4	641	1415	111	4.4	481	1061	327	723	271	597			368
17	55.8	72.0	48	154	6.1	585	1292	127	5.0	441	974	298	659	247	546			391
18	59.0	62.0	41	173	6.8	535	1180	145	5.7	405	894	272	600	226	499			414
19	62.3	53.0	36	194	7.6	488	1076	164	6.5	372	820	248	547	206	455			437
20	65.6	46.0	31	215	8.5	444	980	184	7.2	340	751	225	497	188	415			460

1 inch = 25,4 mm | 1m = 3.28 ft | 1 lbs = 0,453 kg

- Loading figures are only valid for static loads.
- Loading figures are only valid for single spans with supports at both ends.
- All static systems other than single spans require an individual structural calculation. Please contact a structural engineer or PROLYTE for assistance.
- Loading figures are calculated according to and in full compliance with European standards (Eurocodes).
- The self-weight of the trusses is already taken into account.
- Loading figures are only valid for the cross-sectional orientation of the truss as shown by the icon in the load table.
- The interaction between bending moment and shear force at the connection point is already taken into account.
- Truss spans can be assembled from different truss lengths.
- Read the manual before assembling, using and loading the truss.

## Technical specifications - BGR35 pre-rig series

Alloy	EN AW-6082 T6
Main chords	Square 50x50 mm
Straight members	40x40 mm
Diagonal members	25x3 mm
Connection system	BGR type

## BGR35 pre-rig series - allowable load on the middle beam

SPAN		MAXIMUM ALLOWABLE POINT LOADS	
		Uniform Distributed Load	
m	ft	kg/m	lbs/ft
4	13.1	529	209
5	16.4	529	209
6	19.7	529	209
7	23.0	528	209
8	26.2	399	209
9	29.5	311	209
10	32.8	248	167
11	36.1	201	135
12	39.4	165	111
13	42.6	138	93
14	45.9	116	78
15	49.2	98	66
16	52.5	84	56
17	55.8	72	48
18	59.0	62	41
19	62.3	53	36
20	65.6	46	31

# Pre-rig dolly

The pre-rig dolly is specifically designed to complement the PROLYTE pre-rig truss system, ensuring safe, fast and effortless transport of pre-rigged truss modules.

## PRE-RIG DOLLY KEY FEATURES:

- Width: 600 mm
- 5-mm rubber side protection against damage
- Foldable legs with locking elbow
- Height-adjustable legs
- Designed for one-person handling
- Stackable for easy transport and storage

Stackable for easy transport and storage



Foldable legs with locking elbow



Height-adjustable legs



## BGR35 PRE-RIG TRUSS SERIES DOLLY

Standard available lengths and codes

Metres	Feet	Weight (kg)	Weight (lbs)	Description	Code	Item number
1.22	4	31	68.32	BGR35 PRE-RIG DOLLY LENGTH 122 CM	BGR35-PRD-L122	111110733
2.44	8	38	83.75	BGR35 PRE-RIG DOLLY LENGTH 244 CM	BGR35-PRD-L244	111110734
3.05	10	44	96.98	BGR35 PRE-RIG DOLLY LENGTH 305 CM	BGR35-PRD-L305	111110735
<b>Black powder-coated RAL9005 textured</b>						
1.22	4	31	68.32	BGR35 PRE-RIG DOLLY LENGTH 122 CM RAL9005 TXT	PC-BGR35-PRD-L122-RAL9005-TXT	111110737
2.44	8	38	83.75	BGR35 PRE-RIG DOLLY LENGTH 244 CM RAL9005 TXT	PC-BGR35-PRD-L244-RAL9005-TXT	111110738
3.05	10	44	96.98	BGR35 PRE-RIG DOLLY LENGTH 305 CM RAL9005 TXT	PC-BGR35-PRD-L305-RAL9005-TXT	111110739

Other lengths available on request

# Accessories

## FORKLIFT ADAPTERS

Additional feature.



### BGR35 PRE-RIG TRUSS SERIES MOUNT SIDE CHANNELS

Weight and codes

Weight (kg)	Weight (lbs)	Description	Code	Item number
5.86	12.92	BGR35 FORK LIFT BRACKET	BGR-ACC-FLB-01	111110740

*Other lengths available on request*

## MOUNT SIDE CHANNELS

- 100x50x5 mm U-profile
- 5 different heights
- Plastic block slides in U-profile – 48-mm round tube is attached to the plastic blocks
- Holes every 10 cm on U-profile to lock with locking pin



### BGR35 PRE-RIG TRUSS SERIES MOUNT SIDE CHANNELS

Weight and codes

Weight (kg)	Weight (lbs)	Description	Code	Item number
<i>Other lengths available on request</i>				

*Other lengths available on request*

## LIFTING BRACKET

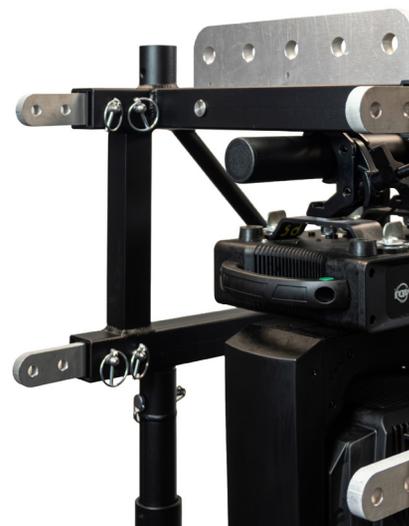
Weight and codes



### BGR35 PRE-RIG TRUSS SERIES LIFTING BRACKET

Standard available lengths and codes

Weight (kg)	Weight (lbs)	Description	Code	Item number
1.22	4	BGR35 PRE-RIG LIFTING BRACKET	BGR35-LIFT-01	111110741



# Accessories

## CORNER HINGE

The angle-adjustable corner is designed to add maximum flexibility to your pre-rig truss configurations. With a wide adjustment range from 5° to 60°, it allows precise positioning for complex rigging layouts and creative stage designs.

The corner works in two directions, enabling both upward and downward angles to be set quickly and accurately, making it ideal for sloped truss lines, architectural applications or dynamic lighting set-ups.



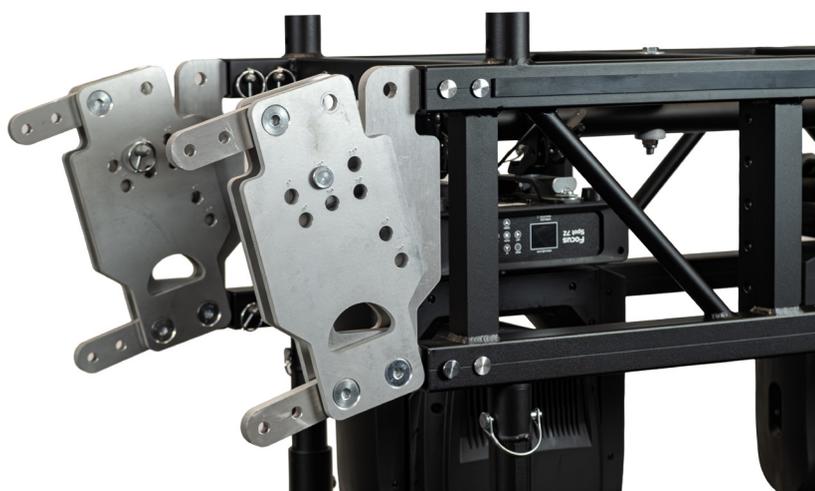
### BGR35 PRE-RIG TRUSS SERIES CORNER HINGE

#### Weight and codes

Weight (kg)	Weight (lbs)	Description	Code	Item number
5.46	12.03	BGR35 CORNER HINGE 0-60 DGR	BGR35-H-0060	111100103

## KEY FEATURES

- Adjustable angle range: 5°-60°
- Works in two directions
- Angle down
- Angle up
- Fast and precise adjustment
- Compatible with pre-rig truss systems



## CONNECTORS, PIN AND CLIP

### BGR35 PRE-RIG TRUSS SERIES CONNECTORS, PIN AND CLIP

#### Weight and codes

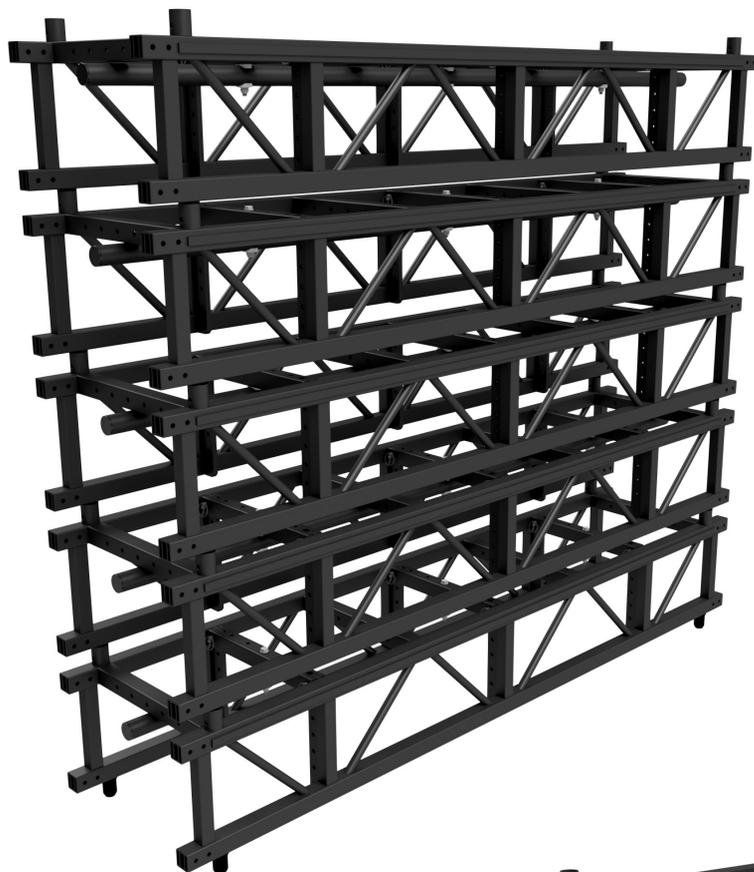
Weight (kg)	Weight (lbs)	Description	Code	Item number
0.72	1.59	CONNECTOR 0 MM	BGR35-S00	111200321
0.72	1.59	CONNECTOR 2 MM	BGR35-S02	
0.72	1.59	CONNECTOR 3 MM	BGR35-S03	
0.72	1.59	CONNECTOR 4 MM	BGR35-S04	
0.06	0.13	LOCKING PIN 12MM	BGR35-LP12	111600367
0.02	0.04	SAFETY CLIP 4MM	ACC-LP-04	111600049



# Stackable system

## STACKABLE SYSTEM

Trusses and dollies are fully stackable and compatible, allowing quick loading, easy transport and efficient storage. The system is designed to reduce handling time while keeping equipment protected during all stages.





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