

Discover more



BGR35 pre-rig

Product-Specific Brochure

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BGR35 pre-rig truss

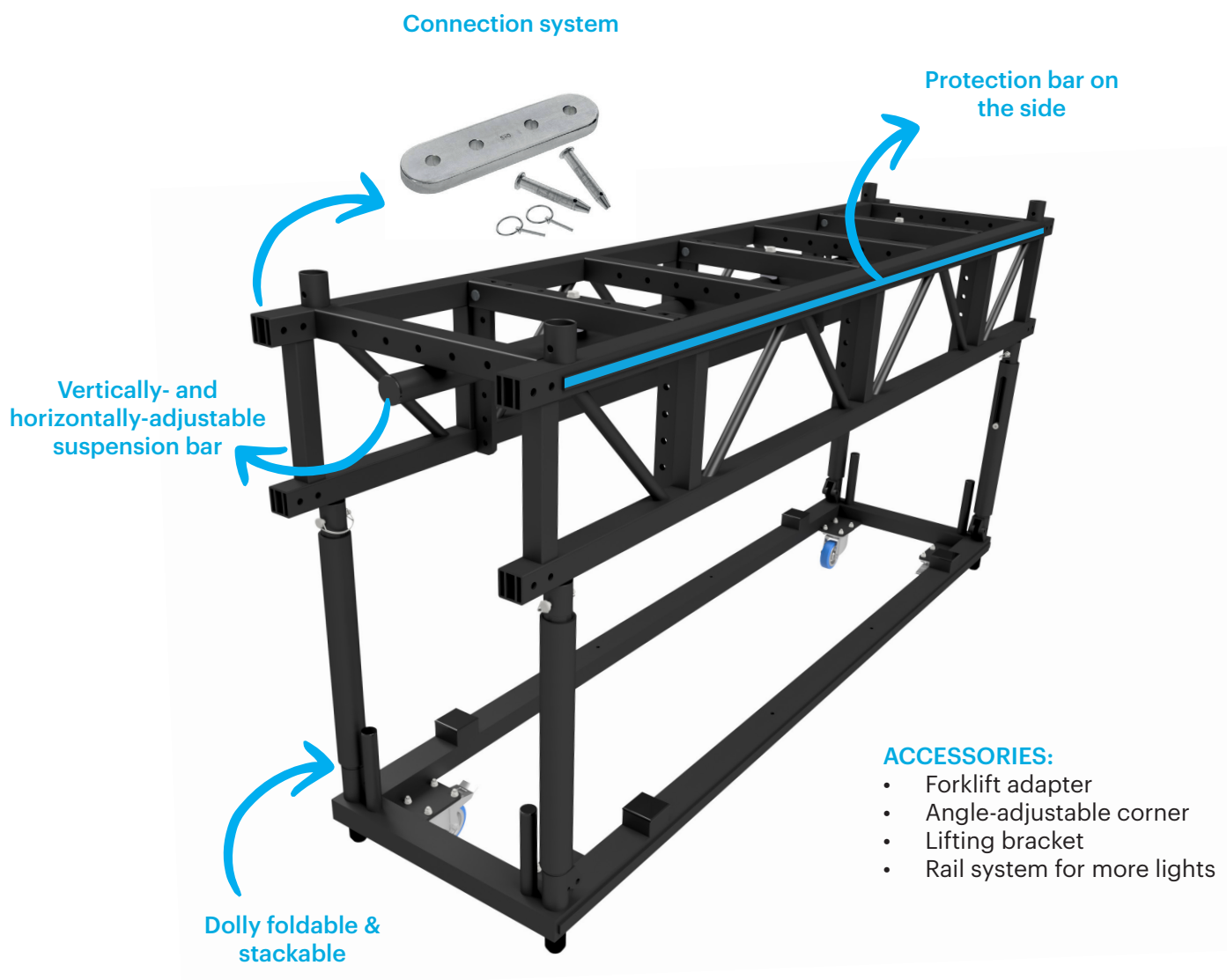
SMART RIGGING, SIDE ENTRY LOAD-INS, FULL PROTECTION, ONE-PERSON HANDLING

The PROLYTE BGR35 pre-rig truss system enables fast rigging and safe transport of pre-mounted lighting fixtures. Its durable design offers flexibility and easy handling for touring and fixed installations. With a width of 600 mm, it fits standard truck dimensions, and compatible truss modules and dollies enable efficient stacking. Side protection prevents damage, while foldable dolly legs save space.

Flexible or fixed cross members with M12 mounting holes enable precise fixture placement. Available in multiple lengths, the system suits various applications. The BGR connection system enables tool-free assembly, and spacers can reduce deflection to zero where needed. Accessories such as lifting brackets, forklift points and flexible corners enable additional customisation. Designed for one-person handling, it simplifies load-in and load-out.

KEY FEATURES:

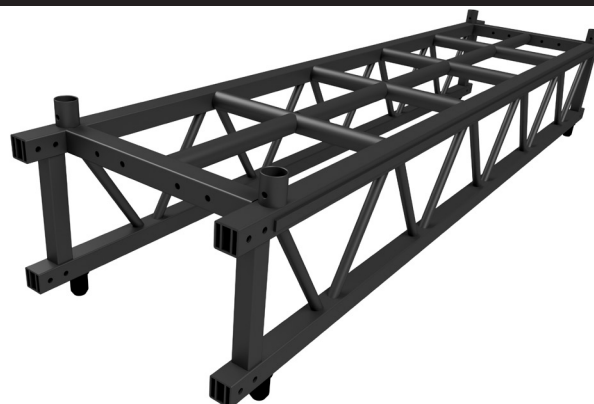
- Bumper protection – integrated protection bars safeguard and dolly during transport.
- High rigidity – strong construction ensures excellent structural stability.
- Tool-free connections – fast assembly without tools.
- Pre-cambering system – adjustable spacers reduce deflection where needed.
- High load capacity – 248 kg/m UDL over a 10-m span, around 25% higher than comparable systems.



BGR35 pre-rig truss

BGR35 PRE-RIG FIXED MODEL

Reliable performance. Cost-effective solution. The BGR35 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	111110721
2.44	8	42.5	93.67	BGR35 PRE-RIG TRUSS FIXED LENGTH 244 CM	BGR35PRF-L244	111110722
3.05	10	52.6	115.93	BGR35 PRE RIG TRUSS FIXED LENGTH 305 CM	BGR35PRF-L305	111110723

Black powder-coated RAL 9005, textured

1.22	4	21.8	48.05	BGR35 PRE-RIG TRUSS FIXED LENGTH 122 CM RAL 9005 TXT	PC-BGR35PRF-L122-RAL9005-TXT	111110724
2.44	8	42.5	93.67	BGR35 PRE-RIG TRUSS FIXED LENGTH 24 4CM RAL 9005 TXT	PC-BGR35PRF-L244-RAL9005-TXT	111110725
3.05	10	52.6	115.93	BGR35 PRE-RIG TRUSS FIXED LENGTH 305 CM RAL 9005 TXT	PC-BGR35PRF-L305-RAL9005-TXT	111110726

Other lengths available on request

BGR35 PRE-RIG ADJUSTABLE MODEL

Maximum flexibility. Touring-grade performance. Designed for demanding professional environments, the adjustable model 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 (to attach different or additional 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	111110727
2.44	8	44.8	98.74	BGR35 PRE-RIG TRUSS ADJUSTABLE LENGTH 244 CM	BGR35-PRA-L244	111110728
3.05	10	55.1	121.44	BGR35 PRE-RIG TRUSS ADJUSTABLE LENGTH 305 CM	BGR35-PRA-L305	111110729

Black powder-coated RAL 9005, textured

1.22	4	23.4	51.57	BGR35 PRE-RIG TRUSS ADJUSTABLE LENGTH 122 CM RAL 9005 TXT	PC-BGR35-PRA-L122-RAL9005-TXT	111110730
2.44	8	44.8	98.74	BGR35 PRE-RIG TRUSS ADJUSTABLE LENGTH 244 CM RAL 9005 TXT	PC-BGR35-PRA-L244-RAL9005-TXT	111110731
3.05	10	55.1	121.44	BGR35 PRE-RIG TRUSS ADJUSTABLE LENGTH 305 CM RAL 9005 TXT	PC-BGR35-PRA-L305-RAL9005-TXT	111110732

Other lengths available on request

Allowable load

BGR35 pre-rig series - allowable load

																	
						MAXIMUM ALLOWABLE POINT LOADS											
						Centre Point Load				Single Load Third Points Load per Point		Single Load Fourth Points Load per Point		Single Load Fifth Points Load per Point			
SPAN		UDL		DEFLECTION		CPL		DEFLECTION		TPL		QPL		FPL		SPAN	
m	ft	kg/m	lbs/ft	mm	in	kg	lbs	mm	in	kg	lbs	kg	lbs	kg	lbs	Total weight	
4	13.1	1132	762	6	0.2	2714	5990	6	0.2	1902	4199	1509	3330	1132	2498	92	
5	16.4	901.0	606	11	0.4	2240	4944	9	0.4	1562	3448	1212	2675	957	2113	115	
6	19.7	727.0	489	19	0.7	1900	4194	13	0.5	1340	2958	1015	2241	809	1785	138	
7	23.0	528.0	355	26	1.0	1643	3627	19	0.7	1170	2582	870	1920	698	1540	161	
8	26.2	399.0	269	33	1.3	1442	3182	25	1.0	1034	2282	758	1673	611	1348	184	
9	29.5	311.0	209	42	1.7	1279	2822	32	1.3	923	2038	668	1475	541	1194	207	
10	32.8	248.0	167	52	2.0	1143	2523	40	1.6	831	1833	593	1313	483	1066	230	
11	36.1	201.0	135	64	2.5	1029	2271	49	1.9	752	1659	533	1176	435	959	253	
12	39.4	165.0	111	76	3.0	931	2054	59	2.3	683	1508	480	1060	393	867	276	
13	42.6	138.0	93	89	3.5	845	1864	71	2.8	623	1376	435	960	356	787	299	
14	45.9	116.0	78	104	4.1	769	1697	83	3.3	570	1259	395	871	324	716	322	
15	49.2	98.0	66	119	4.7	701	1548	97	3.8	523	1154	359	793	296	653	345	
16	52.5	84.0	56	136	5.4	640	1413	111	4.4	480	1059	327	722	270	596	368	
17	55.8	72.0	48	154	6.1	585	1291	127	5.0	440	972	298	658	247	545	391	
18	59.0	62.0	41	173	6.8	534	1179	145	5.7	404	892	272	600	226	498	414	
19	62.3	53.0	36	194	7.6	487	1075	164	6.5	371	819	248	547	206	455	437	
20	65.6	46.0	31	215	8.5	444	980	184	7.2	340	750	225	497	188	415	460	

1 inch = 25.4 mm | 1 m = 3.28 ft | 1 lb = 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	Square 40x40 mm
Diagonal members	Ø 25x3 mm
Connection system	BGR type



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

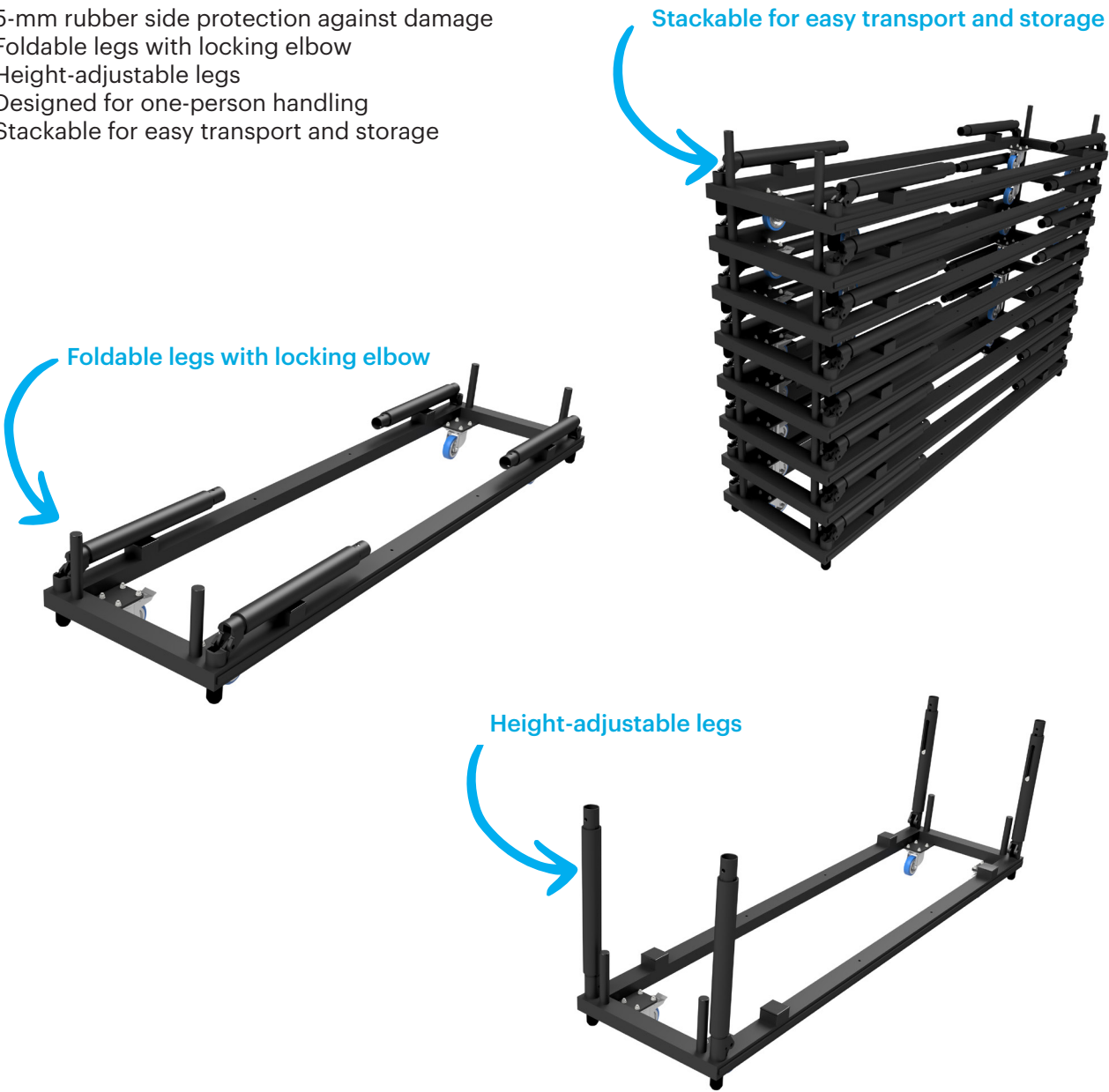
SPAN		MAXIMUM ALLOWABLE POINT LOADS	
		Uniform Distributed Load	
		UDL	
m	ft	kg/m	lbs/ft
4	13.1	529	209
5	16.4	529	209
6	19.7	529	209
7	23.0	528	209
8	26.2	399	209
9	29.5	311	209
10	32.8	248	167
11	36.1	201	135
12	39.4	165	111
13	42.6	138	93
14	45.9	116	78
15	49.2	98	66
16	52.5	84	56
17	55.8	72	48
18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

BGR35 pre-rig dolly

The BGR35 pre-rig dolly is specifically designed to complement the PROLYTE BGR35 pre-rig truss system, ensuring safe, fast and effortless transport of pre-rigged truss modules.

BGR35 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



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
Black powder-coated RAL 9005, textured						
1.22	4	31	68.32	BGR35 PRE-RIG DOLLY LENGTH 122 CM RAL 9005 TXT	PC-BGR35-PRD-L122-RAL9005-TXT	111110737
2.44	8	38	83.75	BGR35 PRE-RIG DOLLY LENGTH 244 CM RAL 9005 TXT	PC-BGR35-PRD-L244-RAL9005-TXT	111110738
3.05	10	44	96.98	BGR35 PRE RIG DOLLY LENGTH 305 CM RAL 9005 TXT	PC-BGR35-PRD-L305-RAL9005-TXT	111110739

Other lengths available on request

Accessories

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 SIDE CHANNELS

Standard available lengths and codes

Description	Code	Item number
BGR35 RAILING BAR W. INDEXING PLUNGER	BGR35-SC-RB	111110773
BGR35 RAILS LENGTH 122 CM SET W. ACCESSORIES	BGR35-SC-L122	111110774
BGR35 RAILS LENGTH 244 CM SET W. ACCESSORIES	BGR35-SC-L244	111110775
BGR35 RAILS LENGTH 305 CM SET W. ACCESSORIES	BGR35-SC-L305	111110776

LIFTING BRACKET

Different positions possible.



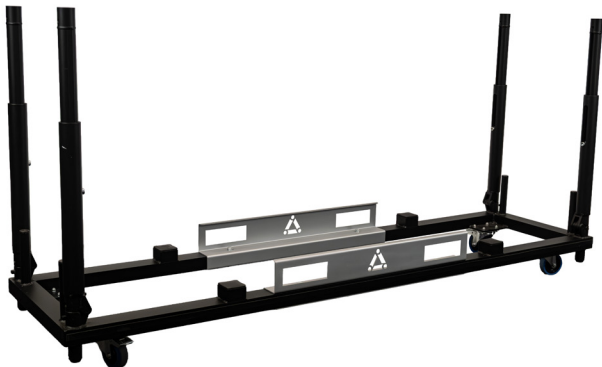
BGR35 PRE-RIG TRUSS SERIES LIFTING BRACKET

Standard available lengths and codes

Description	Code	Item number
BGR35 LIFTING BRACKET	BGR35-LIFT-01	111110741

FORKLIFT BRACKET

Additional feature.



BGR35 PRE-RIG TRUSS SERIES FORKLIFT ADAPTERS

Standard available lengths and codes

Description	Code	Item number
BGR35 FORK LIFT BRACKET	BGR-ACC-FLB-01	111110740

Accessories

HORIZONTAL HINGE

The versatile horizontal hinge uses a smart pin-and-fork connection for swift, secure assembly. By swapping spacers, you can easily set angles of 30°, 45°, 60° or 90° without complex adjustments—offering a practical, robust solution for dynamic, multi-directional structures.

BGR35 PRE-RIG HORIZONTAL HINGE

Standard available lengths and codes

Description	Code	Item number
BGR35 HINGE PART FEMALE	BGR35-H-FM	111110763
BGR35 HINGE PART MALE	BGR35-H-M	111110764
BGR35 120-DGR CORNER	BGR35-C-120DGR	111110765
BGR35 90-DGR CORNER	BGR35-C-90DGR	111110766
BGR35 60-DGR CORNER	BGR35-C-60DGR	111110767

Black powder-coated RAL 9005, textured:

BGR35 HINGE PART FEMALE ANODISED BLACK	BGR35-H-FM-RAL9005-AN	111110768
BGR35 HINGE PART MALE ANODISED BLACK	BGR35-H-M-RAL9005-AN	111110769
BGR35 120-DGR CORNER RAL 9005 TEXTURED	PC-BGR35-C-120DGR-RAL9005-TXT	111110770
BGR35 90-DGR CORNER RAL 9005 TEXTURED	PC-BGR35-C-90DGR-RAL9005-TXT	111110771
BGR35 60-DGR CORNER RAL 9005 TEXTURED	PC-BGR35-C-60DGR-RAL9005-TXT	111110772



VERTICAL HINGE

Designed for maximum pre-rig truss flexibility, this angle-adjustable corner features a 5° to 60° range for precise, complex layouts. Its two-way adjustment quickly sets upward or downward angles, perfect for sloped lines, architectural projects or dynamic lighting set-ups.

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

BGR35 PRE-RIG VERTICAL HINGE

Standard available lengths and codes

Description	Code	Item number
BGR35 CORNER HINGE 0-60 DGR	BGR35-H-0060	111100103



Accessories

BASE PLATES

Standard available lengths and codes

Description	Code	Item number
BASE PLATE BGR35 800X800X8 BLACK-COATED	BASE-BGR35-BC	111500140
BGR35 BASE ON CASTOR WHEELS BLACK-COATED	BASE-BGR35-C-BC	111500141



CONNECTORS, PIN AND CLIP

Standard available lengths and codes

Description	Code	Item number
CONNECTOR 0 MM	BGR35-S00	111200321
CONNECTOR 2 MM	BGR35-S02	111200322
CONNECTOR 4 MM	BGR35-S04	111200324

Connection Kit (8x per truss required)

CONNECTION KIT 2x LOCKING PIN + SAFETY CLIP FOR BGR35	BGR35-CON-KIT	111600373
LOCKING PIN 12 MM	BGR35-LP12	111600368
SAFETY CLIP 4 MM	ACC-LP-04	111600049



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