FRP CABLE SUPPORT SYSTEM

Cable Tray / Cable Ladder

D Linee



PT TEKNIK BUDI PERKASA

THE BEST PARTNER



About

PT Teknik Budi Perkasa

PT Teknik Budi Perkasa has been 15 years of shaping the future with innovative FRP (Fiberglass Reinforced Polymer) solutions. Since 2009, we've been a trusted partner, providing high-quality FRP products and exceptional customer service across various industries.

We produce any products within our scope made from FRP material. This refers to the advantages of FRP material, namely high strength, corrosion resistance, and chemical resistance. With these advantages, FRP products are suitable for use in various industries, even in environments with very high hazardous levels.

400+
Success Project

130+
Happy Customer

15+
Years of Experience

20+
Cities Served

WHY CHOOSE FRP ?

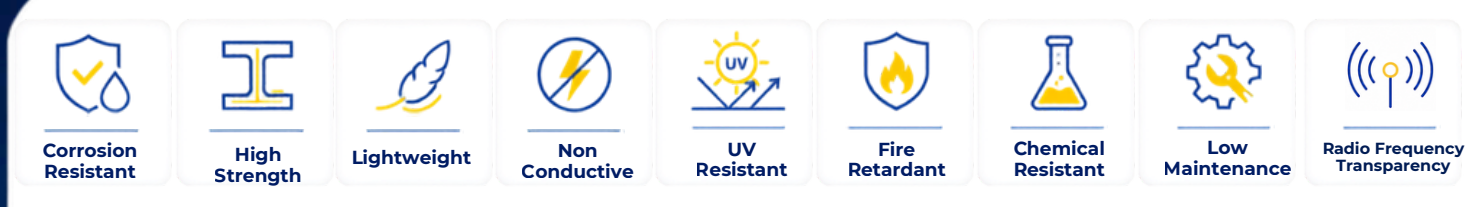
FRP (Fiberglass Reinforced Polymer) composite delivers superior performance in the most demanding environments. See how it outperforms conventional steel across key operational factors.

	 CONVENTIONAL STEEL	 FRP COMPOSITE
CORROSION RESISTANCE	Prone to rust and corrosion. Requires coating and protection.	Excellent corrosion resistance. Ideal for harsh environments.
WEIGHT	Heavy and difficult to handle.	Lightweight. Easy to transport and install.
MAINTENANCE	High maintenance. Requires regular inspection and repainting.	Low maintenance. No painting, minimal inspection required.
ELECTRICAL CONDUCTIVITY	Conductive. Requires insulation.	Non-conductive. Inherently electrically insulating.
CHEMICAL RESISTANCE	Susceptible to many chemicals.	High chemical resistance. Suitable for aggressive media.
SERVICE LIFE	Shorter service life. Degrades over time.	Long service life. Built to last for decades.

PT TEKNIK BUDI PERKASA
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01

DLINEE FRP CABLE TRAY



FRP Cable Tray

FRP Cable Tray

FRP Cable Tray is a corrosion-resistant, lightweight, and high-strength cable management solution designed for industrial environments. Engineered for durability and long service life, it ensures safe and efficient cable support in demanding conditions.



Applications

- Power Plants and Industrial Facilities
- Chemical Processing Plants
- Oil and Gas Refineries
- Food and Beverage Processing Plants
- Water Treatment Facilities
- Factory
- Infrastructure
- Marine
- Telecommunication rooms
- Data Centers

FRP Cable Tray

Available Size

Available in a comprehensive range of standard sizes, our FRP Cable Tray system offers both Cover and Straight configurations to meet diverse cable management requirements across industrial applications.

01 FRP COVER CABLE TRAY



W 50mm x L 3000mm
Thickness 3mm

02 FRP COVER CABLE TRAY



W 100mm x L 3000mm
Thickness 3mm

03 FRP COVER CABLE TRAY



W 200mm x L 3000mm
Thickness 3,5mm

04 FRP COVER CABLE TRAY



W 300mm x L 3000mm
Thickness 3,5mm

05 FRP STRAIGHT CABLE TRAY



W 50mm x H 50mm x L 3000mm
Thickness 3mm

06 FRP STRAIGHT CABLE TRAY



W 100mm x H 50mm x L 3000mm
Thickness 3mm

07 FRP STRAIGHT CABLE TRAY



W 100mm x H 100mm x L 3000mm
Thickness 3,5mm

08 FRP STRAIGHT CABLE TRAY



W 200mm x H 100mm x L 3000mm
Thickness 3,5mm

09 FRP STRAIGHT CABLE TRAY



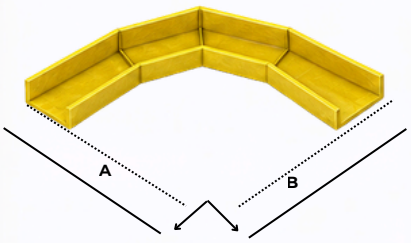
W 300mm x H 100mm x L 3000mm
Thickness 3,5mm

FRP Cable Tray

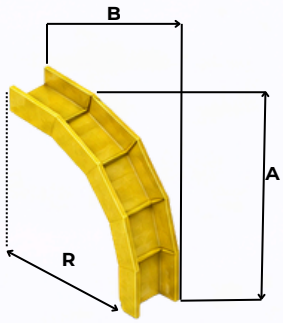
Available Fitting

Available in a wide range of standard configurations, providing reliable connections, flexible routing, and efficient installation for industrial cable management systems.

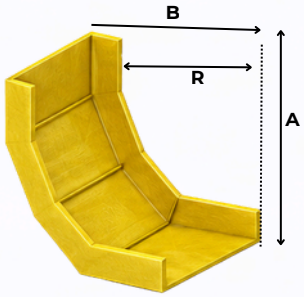
01 90° HORIZONTAL ELBOW TRAY



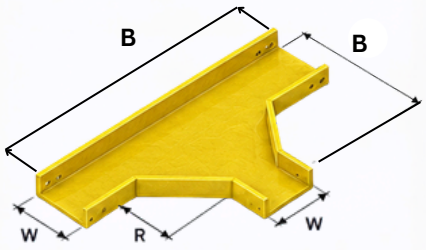
02 90° OUTSIDE VERTICAL ELBOW TRAY



03 90° INSIDE VERTICAL ELBOW TRAY



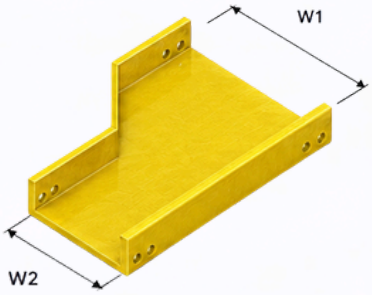
04 HORIZONTAL EQUAL TEE TRAY



05 RIGHT HAND SIDE REDUCER TRAY



06 LEFT HAND SIDE REDUCER TRAY



Available Size

W (mm)	H (mm)	R (mm)
50, 100, 200, 300	50, 100	300 - 900

Note : Custom sizes are available upon request. If your required dimensions are not listed above, please contact us for a customized solution.

PT TEKNIK BUDI PERKASA
THE BEST PARTNER

02

DLINEE
FRP CABLE LADDER

Corrosion Resistant
High Strength
Lightweight
Non Conductive
UV Resistant
Fire Retardant
Chemical Resistant
Low Maintenance
Radio Frequency Transparency



DLINEE

FRP Cable Ladder

FRP Cable Ladder is a corrosion-resistant, lightweight, and high-strength cable management solution designed for industrial environments. Engineered for durability and long service life, it provides secure cable support and reliable performance in demanding applications.

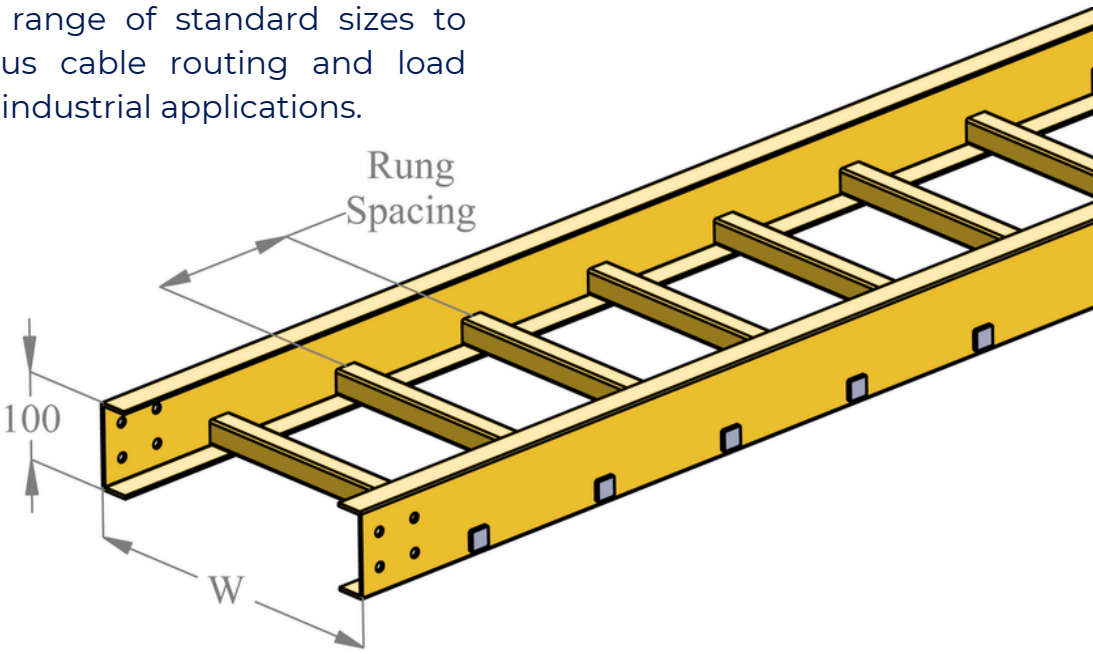
Applications

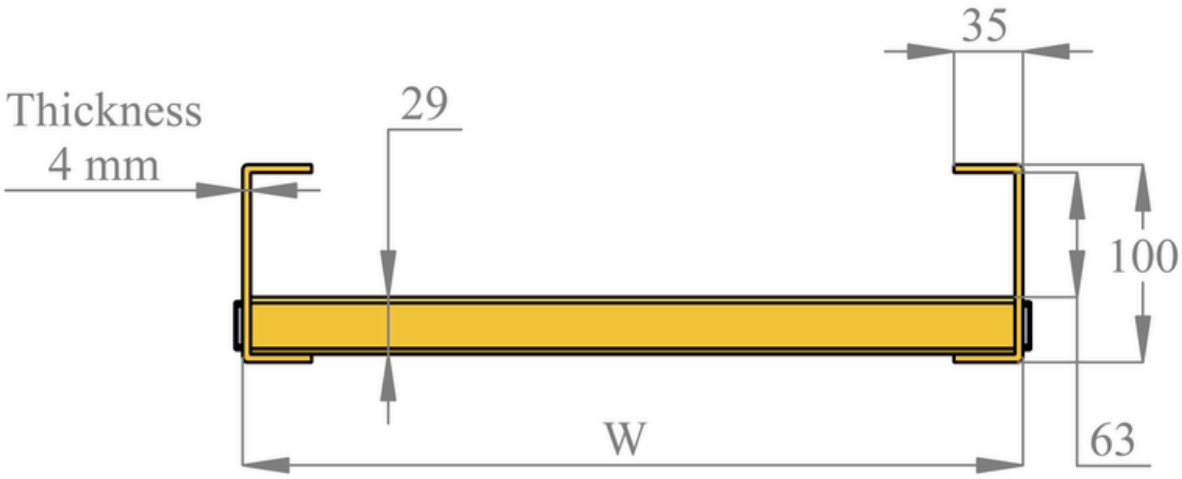
- Power Plants and Industrial Facilities
- Chemical Processing Plants
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- Water Treatment Facilities
- Factory
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- Data Centers

FRP Cable Ladder

TYPE 100 : Available Size

Available in a wide range of standard sizes to accommodate various cable routing and load requirements across industrial applications.





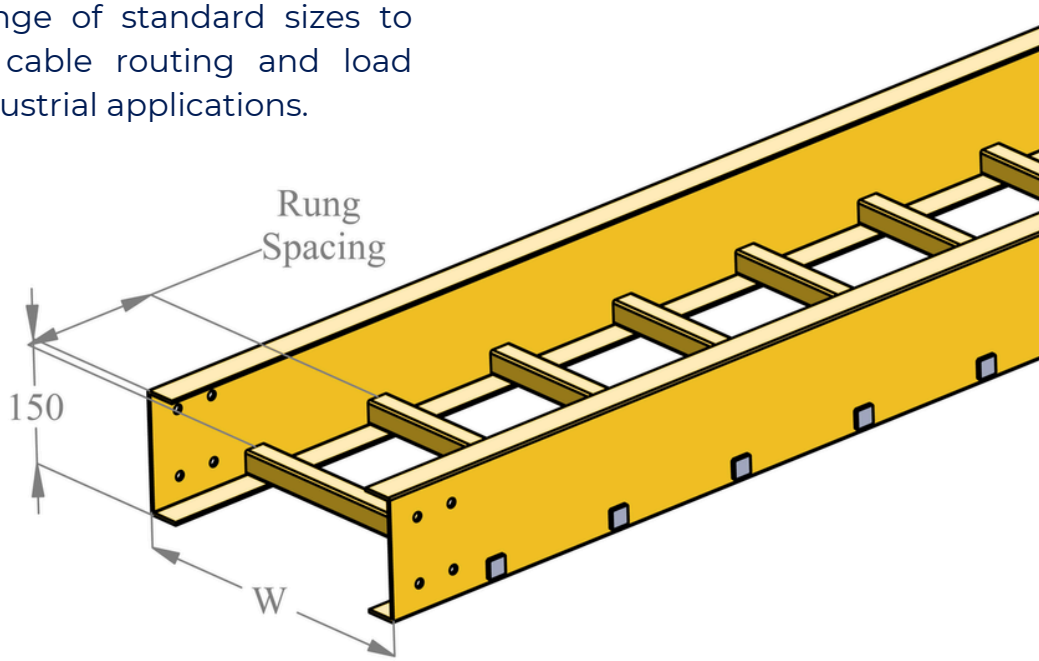
W (mm)	H (mm)	L (mm)	Rung Space (mm)
100, 150, 200, 300, 400, 500, 600, 700, 800, 900, 1000	100	3000	150, 200, 300

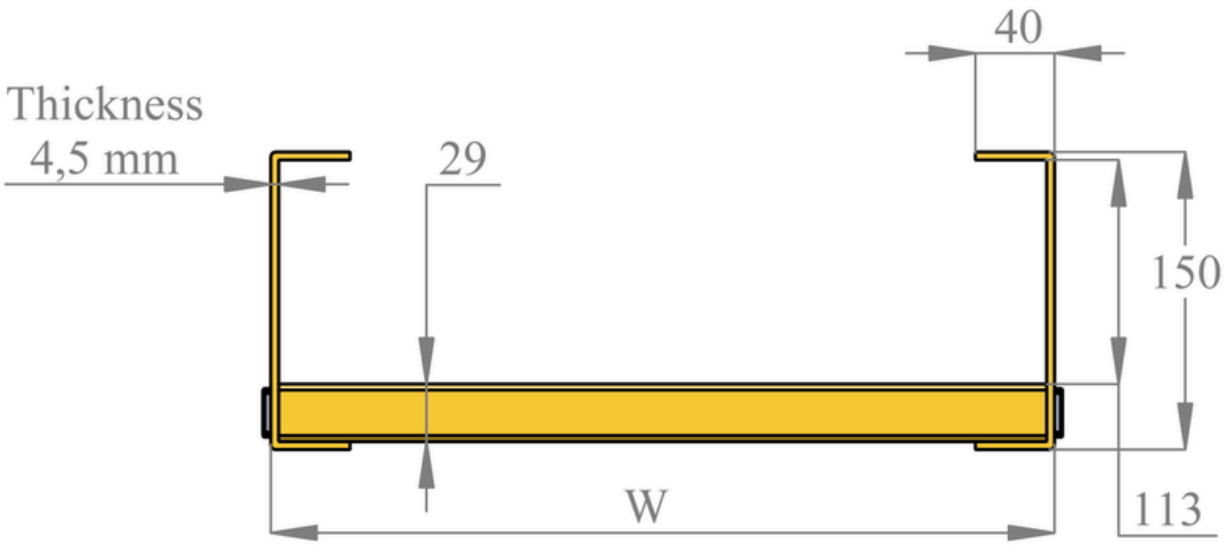
Note : Custom sizes are available upon request. If your required dimensions are not listed above, please contact us for a customized solution.

FRP Cable Ladder

TYPE 150 : Available Size

Available in a wide range of standard sizes to accommodate various cable routing and load requirements across industrial applications.





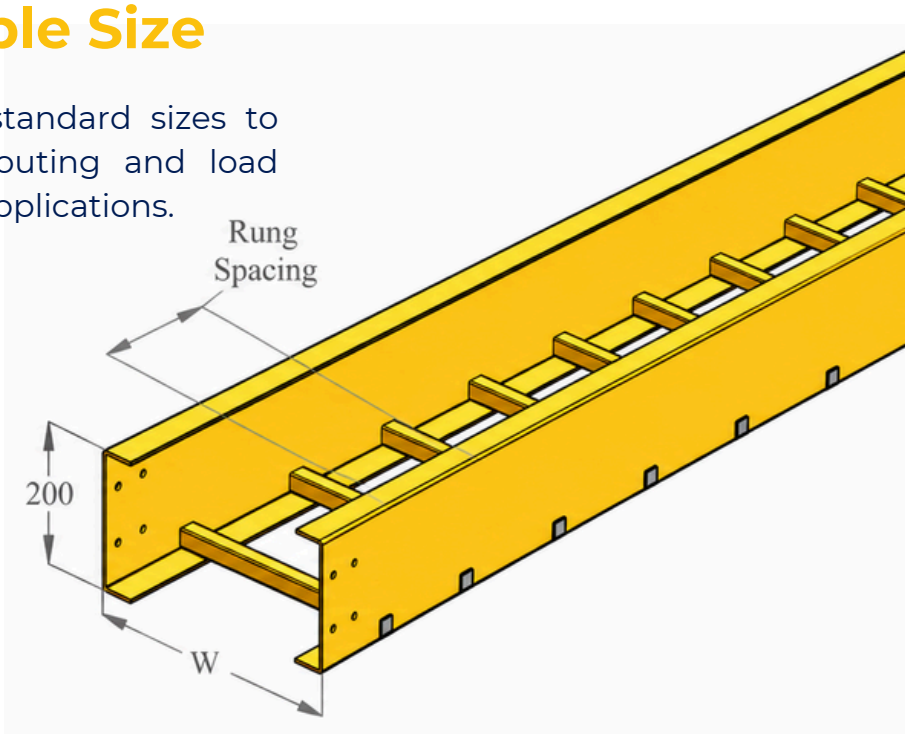
W (mm)	H (mm)	L (mm)	Rung Space (mm)
150, 200, 300, 400, 500, 600, 700, 800, 900, 1000	150	3000	150, 200, 300

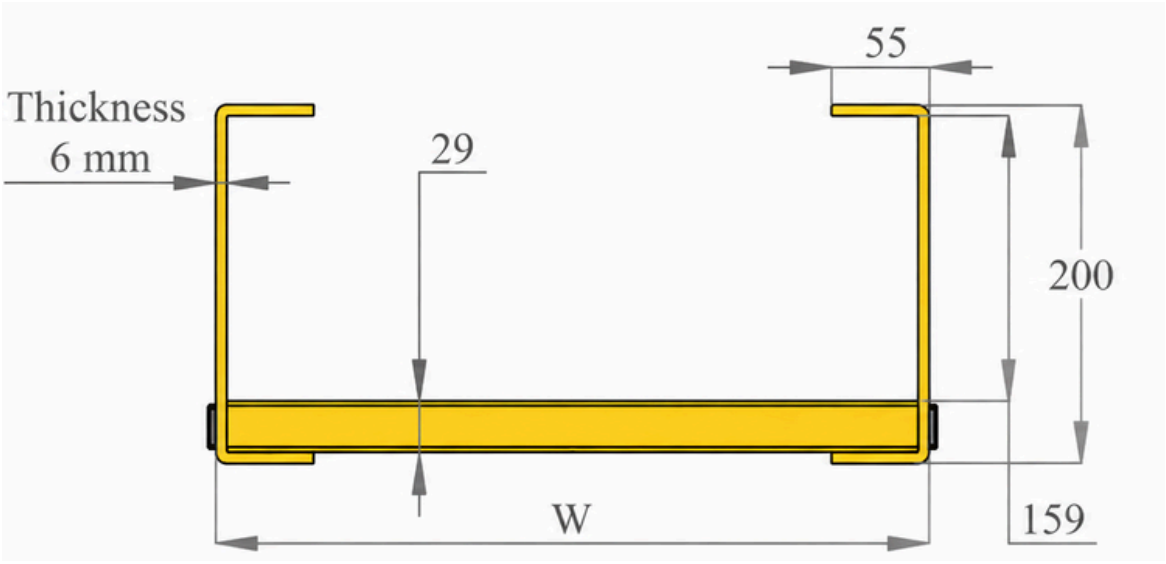
Note : Custom sizes are available upon request. If your required dimensions are not listed above, please contact us for a customized solution.

FRP Cable Ladder

TYPE 200 : Available Size

Available in a wide range of standard sizes to accommodate various cable routing and load requirements across industrial applications.





W (mm)	H (mm)	L (mm)	Rung Space (mm)
100, 150, 200, 300, 400, 500, 600, 700, 800, 900, 1000	200	3000	150, 200, 300

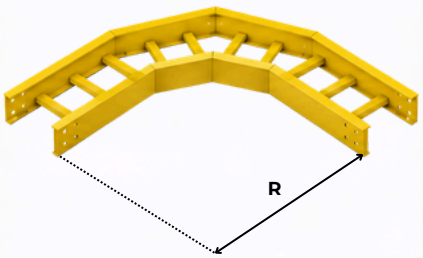
Note : Custom sizes are available upon request. If your required dimensions are not listed above, please contact us for a customized solution.

FRP Cable Ladder

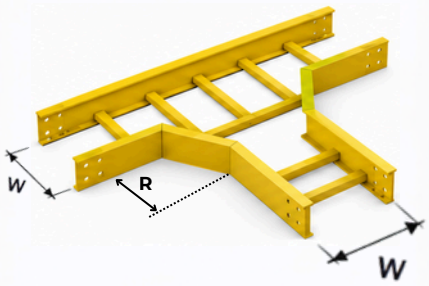
Available Fitting

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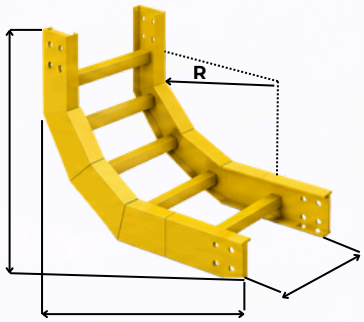
01 90° HORIZONTAL ELBOW LADDER



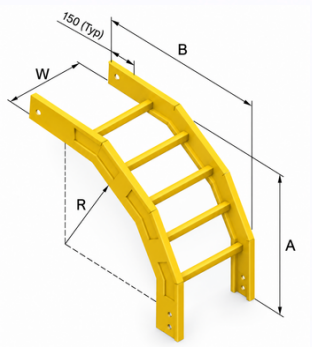
02 HORIZONTAL EQUAL TEE LADDER



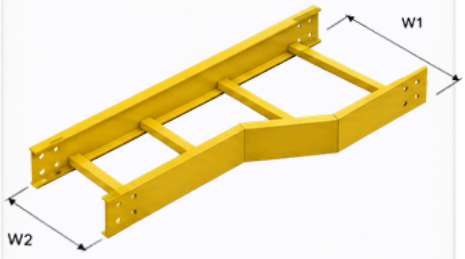
03 90° INSIDE VERTICAL ELBOW LADDER



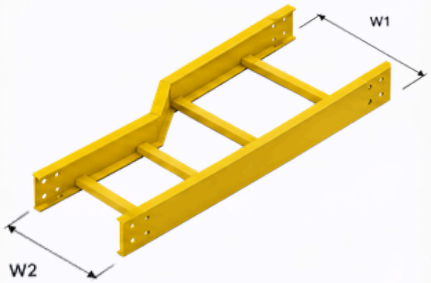
04 90° OUTSIDE VERTICAL ELBOW LADDER



05 RIGHT HAND SIDE REDUCER LADDER



06 LEFT HAND SIDE REDUCER LADDER



Available Size

W (mm)	H (mm)	R (mm)
150, 200, 300, 400, 500, 600, 700, 800, 900, 1000	100, 150	300 - 900

Note : Custom sizes are available upon request. If your required dimensions are not listed above, please contact us for a customized solution.

FRP Cable Ladder

LOAD TESTING : Pass Standard NEMA FG-1 8C

Load testing verifies the structural performance and load-carrying capacity of cable ladder systems. Our FRP Cable Ladder successfully passed the load capacity test in accordance with NEMA FG-1 requirements, demonstrating excellent structural integrity, superior load-bearing performance, and reliable support for cable management systems.

Test Parameter	Value
Standard	NEMA FG-1
Name of Sample	Cabble Ladder
Dimension	W600 x H150 x Rung Spacing 300
Length of Span	2.44 m (as per NEMA FG-1)
Temperature	30 °C
Humidity	-
Test Equipment	Laser waterpass, Ruler, Test load

Graphic Load

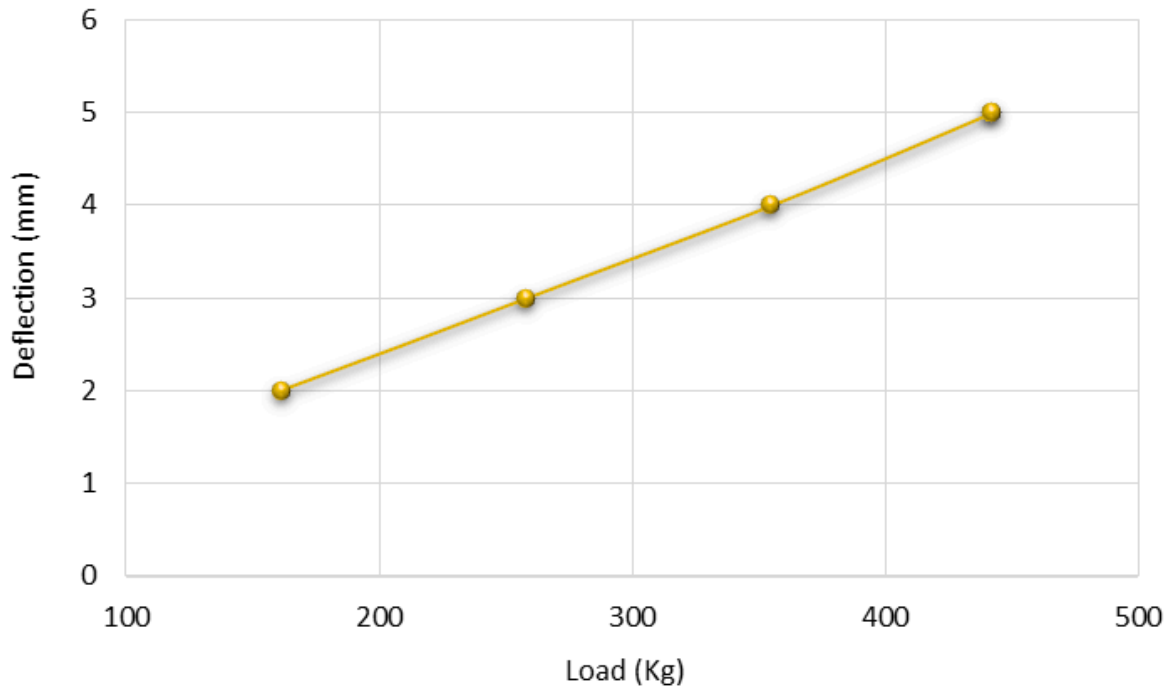




Fig 1. Test setup and steel bars as loading material as per NEMA FG1



Fig 2. Testing process (161.3 Kg)



Fig 3. Final Test Condition (441.9 Kg)

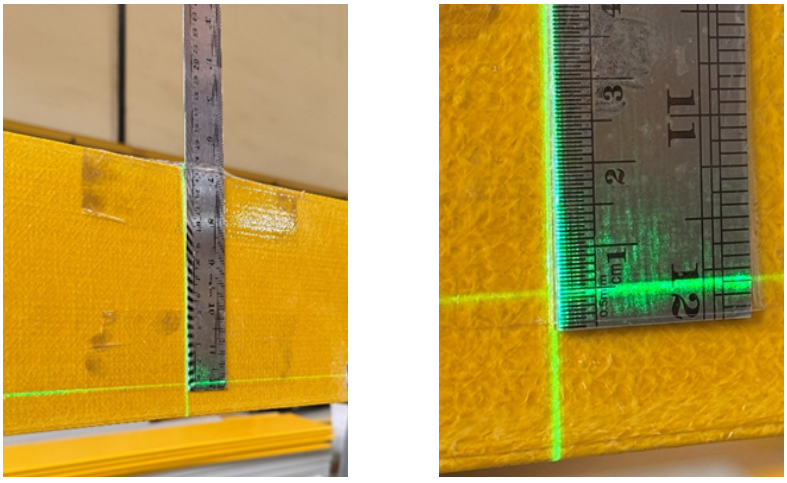


Fig 4. Final deflection measurement (5 mm)

Conclusion

The load test results confirm that our FRP Cable Ladder complies with the highest NEMA FG-1 loading classification, Class 8C, for a 2.44 m test span.

The minimum required uniformly distributed load is 148.8 kg/m. During testing, the specimen successfully sustained a uniformly distributed load exceeding 181.1 kg/m while maintaining structural integrity and without structural failure, confirming excellent load-bearing performance and structural reliability.

FRP Cable Ladder

Application Reference













Certified Credentials
and Quality Standards



Certificate of Registration

(Quality Management System)

QFS MANAGEMENT SYSTEMS LLP

This is to Certify that the Quality Management System of

PT. TEKNIK BUDI PERKASA

JL. RAYA SALEMBARAN KOMPLEK PERGUDANGAN 99 BLOK R. 7 II, DESA/KELURAHAN CENGKLONG, KECAMATAN KOSAMBI, KABUPATEN TANGERANG, PROVINSI BANTEN, INDONESIA

Has been found to be of the Quality Management System Standard

ISO 9001:2015

This certificate is valid for the following product or service range

MANUFACTURE OF FIBERGLASS REINFORCED POLYMER (FRP) PRODUCTS, INCLUDING FRP TANKS, FRP PIPES AND FITTINGS, FRP GRATINGS, FRP CABLE TRAYS, FRP CABLELADDERS, FRP HANDRAIL, FRP SHEET ROOF, FRP CLADDING, FRP PULTRUSION PROFILE, AND SUPPLIER OF SWANCOR RESIN

IAF Code: 14

Certificate Number: SCC/INT/2505PE/11505

Surv. Audit on or Before: 20.04.2026

Initial Date of Certification: 21.05.2025

Re-certification Due on: 20.05.2028

Date of Certificate: 21.05.2025

Date of Expiry: 20.05.2026

Director:

Date: 21.05.2025

The validity of certificate is subject to regular surveillance audit on or before above mentioned dates and its only valid after successful surveillance with continuation letter issued by QFS. It is issued subject to the continued availability of access at any time and without notice to the above named organization's premises for the purpose of assessment and surveillance regarding the standard named above and QFS terms and conditions.

QFS MANAGEMENT SYSTEMS LLP

Accredited by Standards Council of Canada

Kementerian Perindustrian
REPUBLIK INDONESIA

ACMA
American Composites Manufacturers Association

BRIN
BADAN RISET
DAN INOVASI NASIONAL

International Organization for Standardization
ISO
9001

Stronger Solution

Lasting Performance

PT Teknik Budi Perkasa is committed to delivering high-quality FRP cable support systems that ensure safety, durability, and efficiency for every industrial application.

Let's Build Together

Partner with us for reliable products, trusted service, and long-term success.

Contact Us

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Pergudangan 99 Blok S 6
Jl. Raya Salembaran, Cengklong
Kosambi – Dadap
Tangerang – 15212

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Email : **marketing@teknikbudiperkasa.com**