

Key Features

High Load Bearing Support

Safely distributes crane outrigger loads into the ground for stable lifting.

Optional Anti-Slip Surface Design

Available with multiple surface patterns (diamond, ribbed, concentric, custom) to improve grip and reduce slippage.

Improved Jobsite Stability

Enhanced surface friction helps reduce pad movement on wet, muddy, or uneven ground.

Ground Pressure Reduction

Effectively spreads load to protect soil, asphalt, and other working surfaces.

High-Strength UHMWPE

Impact-resistant, wear-resistant, and suitable for heavy-duty repeated use.

Wide Application & Custom Options

Suitable for various crane operations with customizable sizes, colors, and surface textures.



Key Application

Mobile Crane Stabilization

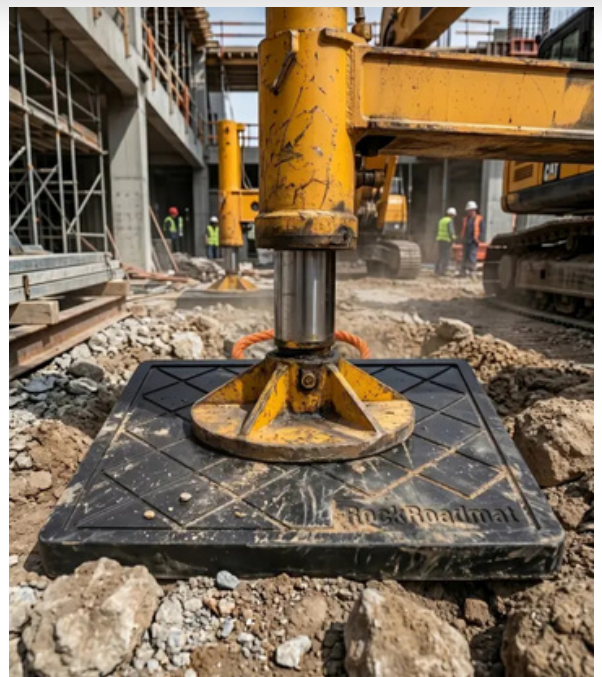
Used for safe outrigger support during mobile crane lifting operations.

Construction Sites

Provides reliable ground support for general construction and installation work.

Soft Ground Conditions

Suitable for mud, sand, gravel, and other unstable working surfaces.



Heavy Equipment Support

Applied under lifting and positioning equipment to improve operational safety.

Industrial Maintenance

Used in plant shutdowns, energy, and heavy industrial maintenance operations.

Product Data Sheet – Square Pads

MODEL	LENGTH	WIDTH	THICKNESS	WEIGHT	RATED LOAD
RR-OP-500×500-50	500 mm / 1.6 ft	500 mm / 1.6 ft	50 mm / 2.0 in	12.5 kg / 27.6 lbs	18 tons
RR-OP-500×500-60	500 mm / 1.6 ft	500 mm / 1.6 ft	60 mm / 2.4 in	15.0 kg / 33.1 lbs	25 tons
RR-OP-600×600-50	600 mm / 2.0 ft	600 mm / 2.0 ft	50 mm / 2.0 in	18.0 kg / 39.7 lbs	25 tons
RR-OP-600×600-60	600 mm / 2.0 ft	600 mm / 2.0 ft	60 mm / 2.4 in	21.6 kg / 47.6 lbs	30 tons
RR-OP-800×800-50	800 mm / 2.6 ft	800 mm / 2.6 ft	50 mm / 2.0 in	32.0 kg / 70.5 lbs	40 tons
RR-OP-800×800-60	800 mm / 2.6 ft	800 mm / 2.6 ft	60 mm / 2.4 in	38.4 kg / 84.7 lbs	45 tons
RR-OP-1000×1000-50	1000 mm / 3.3 ft	1000 mm / 3.3 ft	50 mm / 2.0 in	48.0 kg / 105.8 lbs	50 tons
RR-OP-1000×1000-60	1000 mm / 3.3 ft	1000 mm / 3.3 ft	60 mm / 2.4 in	58.0 kg / 127.9 lbs	70 tons
RR-OP-1000×1000-80	1000 mm / 3.3 ft	1000 mm / 3.3 ft	80 mm / 3.1 in	77.0 kg / 169.8 lbs	100 tons
RR-OP-1200×1200-50	1200 mm / 3.9 ft	1200 mm / 3.9 ft	50 mm / 2.0 in	72.0 kg / 158.7 lbs	90 tons
RR-OP-1200×1200-60	1200 mm / 3.9 ft	1200 mm / 3.9 ft	60 mm / 2.4 in	86.4 kg / 190.5 lbs	110 tons
RR-OP-1200×1200-80	1200 mm / 3.9 ft	1200 mm / 3.9 ft	80 mm / 3.1 in	118.0 kg / 260.1 lbs	120 tons
RR-OP-1200×1200-100	1200 mm / 3.9 ft	1200 mm / 3.9 ft	100 mm / 3.9 in	146.0 kg / 321.9 lbs	160 tons
RR-OP-2000×1000-100	2000 mm / 6.6 ft	1000 mm / 3.3 ft	100 mm / 3.9 in	200.0 kg / 440.9 lbs	200 tons
RR-OP-1500×1500-100	1500 mm / 4.9 ft	1500 mm / 4.9 ft	100 mm / 3.9 in	224.0 kg / 493.8 lbs	220 tons
RR-OP-1800×1800-100	1800 mm / 5.9 ft	1800 mm / 5.9 ft	100 mm / 3.9 in	319.0 kg / 703.3 lbs	240 tons
RR-OP-3000×2000-100	3000 mm / 9.8 ft	2000 mm / 6.6 ft	100 mm / 3.9 in	584.0 kg / 1287.5 lbs	300 tons

- Load ratings are provided as reference values under firm, dry, level, and stable ground conditions. Actual performance may vary depending on ground conditions, load distribution, equipment type, and operating environment.
- Other sizes and thicknesses are available upon request.

Product Data Sheet – Round Pads

MODEL	DIAMETER	THICKNESS	WEIGHT	RATED LOAD
RR-OP-D600-50	600 mm / 2.0 ft	50 mm / 2.0 in	14 Kg / 30.9 lbs	25 tons
RR-OP-D800-50	800 mm / 2.6 ft	50 mm / 2.0 in	25 Kg / 55.1 lbs	35 tons
RR-OP-D800-60	800 mm / 2.6 ft	60 mm / 2.4 in	28.5 Kg / 62.8 lbs	40 tons
RR-OP-D1000-50	1000 mm / 3.3 ft	50 mm / 2.0 in	37.5 Kg / 82.7 lbs	50 tons
RR-OP-D1000-60	1000 mm / 3.3 ft	60 mm / 2.4 in	44.5 Kg / 98.1 lbs	60 tons
RR-OP-D1000-70	1000 mm / 3.3 ft	70 mm / 2.8 in	52 Kg / 114.6 lbs	75 tons
RR-OP-D1000-80	1000 mm / 3.3 ft	80 mm / 3.1 in	60 Kg / 132.3 lbs	80 tons
RR-OP-D1200-60	1200 mm / 3.9 ft	60 mm / 2.4 in	64 Kg / 141.1 lbs	90 tons
RR-OP-D1200-70	1200 mm / 3.9 ft	70 mm / 2.8 in	76 Kg / 167.6 lbs	110 tons
RR-OP-D1200-80	1200 mm / 3.9 ft	80 mm / 3.1 in	87 Kg / 191.8 lbs	120 tons

- Load ratings are provided as reference values under firm, dry, level, and stable ground conditions. Actual performance may vary depending on ground conditions, load distribution, equipment type, and operating environment.
- Other sizes and thicknesses are available upon request.

Multiple Handle Options for Different Application Needs



Interface Engineering for Heavy Load Stabilization



Constrained Load Positioning Interface (Recessed Center Design)

- Machined central concave geometry designed to mechanically constrain outrigger foot placement and limit lateral displacement.
- Improves load centering accuracy and reduces eccentric loading effects by maintaining controlled contact alignment.
- Effectively mitigates edge loading and localized stress concentration during lifting operations.



Directional Friction Surface (Diamond Grid Texture)

- Engineered anisotropic surface geometry designed to increase coefficient of friction at the interface layer.
- The intersecting diamond pattern enhances shear resistance, reducing micro-slippage under dynamic load variation or uneven ground settlement.
- Recommended for mixed soil, gravel, or partially saturated working environments.



Uniform Contact Surface (Matte Finish)

- Provides a stable and continuous contact interface between outrigger pad and ground.
- Designed to ensure uniform stress distribution by maximizing effective bearing area under static load conditions.
- Suitable for hard, compacted ground where slip risk is minimal and primary requirement is load stabilization and wear resistance.

Quality Assurance

- Incoming raw material inspection.
- Dimensional verification during production.
- Pre-shipment inspection and verification support.
- Material test reports available upon request.
- Third-party testing services such as SGS available if required.
- Custom quality control support for project requirements.