

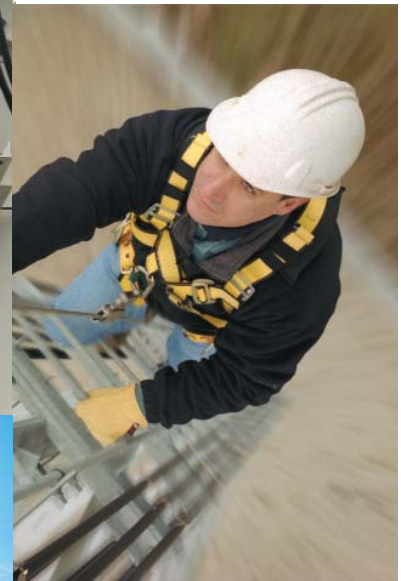


Radian
Communication
Services

Ram Safety Accessories Product Catalog



2005





Thank you for opening our 2004 Catalog

Please select from our three product lines by clicking on the catalog covers below.



RADIANT

ROHN

RAM

To place an order or request a quotation, please contact us at:

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Let RAM be your safety accessories provider

Radian provides solutions for all of your Safety Accessories needs. Radian's extensive Ram line of products helps you make the right choices for your safety-related issues.

When it comes to tower safety equipment and rigging gear, we feature a complete selection of the finest climb safety products available. Dedicated to Safety, our RAM Fall Protection Systems meet or exceeds OSHA, CSA and ANSI standards, our maintenance and technical support is available to keep your employees safe.

president's message

Dear Customer,

Whenever a potential customer opens up a catalog such as this, he or she expects that the products and materials offered have been thoroughly tested and refined. At Radian, we have been developing and field testing our products for over 40 years - through our own crews - so we know that they work, and work well. It is this history that gives us the credibility to stand behind this catalog and provide you - the customer - with the confidence to order from Radian.

Radian is a leading North American infrastructure and network development company. We offer services throughout the entire life of communications and transmission networks from conception to commissioning and continual upgrade and maintenance.

We at Radian are proud of this catalog, please contact us for quality products and outstanding customer service.

Yours truly,

Jack Pulkinen
President & CEO

All products shown in our catalog are intended to be used by personnel who are qualified, trained and experienced in the design and installation of communication structures and installations. All products subject to availability. Prices are subject to change without notice.

scopescaleskill

Radian has the scale, scope and skill to support the complete network lifecycle.

Radian has been a leading North American communications infrastructure and network services provider since 1962.

With the technical expertise to design, install and maintain networks, and engineer, manufacture and construct all types of towers, Radian offers a fully integrated outsourced solution for field deployment services. Radian specializes in regionally-based field deployment with speed and efficiency.

Customers value Radian's ability to offer end-to-end solutions for the design, manufacturing and deployment of communications networks. As a single source provider we seamlessly deliver complete turnkey systems, and provide optimization, enhancement, and maintenance services to ensure trouble-free operation.

Our recent acquisition of the assets of ROHN – along with the addition of their engineering team – provides our customers almost a century of experience in the three vital components of successful infrastructure deployment: operational *scope*, *scale* of products and services, and specialized technical and program management *skills*.

Radian Services

Project Management

- Scope of Work Definitions
- Product Specifications
- Purchasing
- Logistics
- Test & Acceptance Plans
- Project Team Assembly
- Implementation Schedules
- Project Coordination

Wireless Engineering Services

- Network Concept
- Network Configuration
- Network Planning
- System Engineering
- Wireless/Radio Network Design
- RF Engineering
- Microwave Transmission
- Site Qualification & Acquisition
- Equipment Engineering
- Coverage Optimization Surveys
- Propagation Analysis

Wireless Field Deployment

- Installation
- Testing & Commissioning
- System Operation & Maintenance
- Site Surveys/GPS & Map Studies

Tower Services

- Engineering, Design & Analysis
- Manufacturing
- Installation
- Inspection & Maintenance
- Emergency Restoration Services
- Co-locate Maximization
- Site Ownership

Aerial Services

- Supply, Install & Test Antennas,
- Transmission Lines
- Antenna Orientation
- Antenna & Line Inspection
- Antenna & Line Verification
- Rooftop Installations
- Tenant Improvements
- Co-locate Installations

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RAM safety accessories



Six D-ring Eagle Tower LE Saddle Harness



Accessory Rings

Item #	Description	Wt #
160481	X Small	5.5 lbs
160482	Small	5.6 lbs
160483	Medium	5.7 lbs
160484	Large	5.8 lbs
160485	X Large	5.9 lbs
160569	2X Large	5.9 lbs

Sliding D-ring at center of back, chest-high front D-ring, D-ring on each hip, D-ring on each end of seat strap, black 1-3/4" nylon leg straps, red 1-3/4 polyester shoulder straps, shoulder pads, tongue buckles on leg straps, removable tool belt, two accessory rings attached to center-back of five-inch padded back-pad, carry-all-bag.

Tower Mate Harness



Item #	Description	Wt #
160488	S-L	3.0 lbs
160489	L-XL	3.2 lbs

The TowerMate two D-ring harness is a freedom-style full body harness made of polyester designed to be used in conjunction with a fixed climbing system, or anywhere a chest-high front D-ring is required. The rear D-ring slides at the center of the back. This unique design allows the wearer to open the front of the harness for easy on and off. The front D-ring is also available on the Eagle Tower Saddle, the Tower SaddleMaster, and Tower WorkMaster models

RAM safety accessories



RAM Professional Harness



Front View



Back View

Item #	Description	Wt #
160388	S	5.5 lbs
160381	M	5.6 lbs
160382	L	5.7 lbs
160383	XL	5.8 lbs

Sliding D-ring at center of back, chest-high front D-ring, D-ring on each hip, 1-3/4" nylon leg straps, 1-3/4 polyester shoulder straps, shoulder pads, tongue buckles on leg straps, removable tool belt.

Waist Belt



Item #	Description	Wt #
160542	Waist 34" D to D 18"	2 lbs
160543	Waist 36" D to D 19"	2 lbs
160544	Waist 38" D to D 20"	2 lbs
160545	Waist 40" D to D 21"	2 lbs
160546	Waist 42" D to D 22"	2 lbs
160547	Waist 44" D to D 23"	2 lbs
160548	Waist 46" D to D 24"	2 lbs
160549	Waist 48" D to D 25"	2 lbs
160550	Waist 50" D to D 26"	2 lbs
160551	Waist 52" D to D 27"	2 lbs
160552	Waist 54" D to D 28"	2 lbs
160553	Waist 56" D to D 29"	2 lbs
160554	Waist 58" D to D 30"	2 lbs

Seat Strap



Item #	Description	Wt #
160432	3" x 28"	0.5 lbs

This is an accessory item for RAM Professional Harness or Body Belt.

RAM safety accessories



	Item #	Description	Wt #
Descendor™ Rope	160516	100'	8.9 lbs
	160517	150'	9.8 lbs
	160518	200'	13 lbs
	160519	300'	19.6 lbs
	160520	400'	26.0 lbs



1/2" solid braid nylon rope. Each end is formed in a loop with steel thimbles and with two aluminum sleeves. 5,000 pounds breaking strength.

	Item #	Description	Wt #
Descendor™ Carry-All Bags	160521	15" x 5" x 11"	1.5 lbs
	160522	22.5"x11"x 11"	3.0 lbs



Satchel for Descendor and rope. Shoulder straps, blue nylon with zipper. Rope lengths 25' to 100' & 150' to 200'.

	Item #	Description	Wt #
Descendor™ Descent Control Device	160555	DC Device	1.5 lbs



Descendor is a controlled-decent device. Use in conjunction with with a bosun's seat, tree saddle, or saddle-type full body harness as a worker positioning tool. (Note: A fall-rated carabiner such as an auto-twist-lock carabiner is required to attach the descendor to the Bosun's Seat or Tree Saddle.)

Constructed of cast aluminum and proof-tested to 5,000 pounds, this unique device provides a controlled rate of decent or full stop at finger- tip control. The descendor is designed to be used with 1/2" solid braid nylon Descendor Rope for suspension and positioning in such trades as construction, forestry, and window washing where repositioning at different heights is required.

Important! Please Note: The descendor is a "down only device". The Descendor must always be used with a Fall Arrest back- up system anchored to a separate anchorage.

RAM safety accessories



	Item #	Description	Wt #
ZORBER Shock-Absorbing Web Lanyard	160524	1" x 3'	1.6 lbs

1" nylon webbing, 13120 3/4" throat opening Centurion auto-lock snaphook on each end.



	Item #	Description	Wt #
ZORBER Shock-Absorbing Web Lanyard	160525	1" x 6'	4.6 lbs

1" Nylon Webbing, Twin leg, 100% Tie-off, 13120 3/4" throat opening Centurion auto-lock snaphook ZORBER end, 13120 3/4" throat opening Centurion auto-lock snaphook on each leg.



	Item #	Description	Wt #
ZORBER Shock-Absorbing Unit	160523	9"	0.3 lbs

The ZORBER unit is nine inches long, has an eye on each end, and only weighs 0.3 lbs. When a 220 pound weight is dropped six feet, the maximum arresting force will be less than 900 lbs. This reduction of arresting force may reduce the possibility of injury to the employee during a fall. The ZORBER is activated by a force of approximately 450 pounds.



RAM safety accessories



	Item #	Description	Wt #
Twin Leg Lanyard	160434	60"	3 lbs



Nylon webbing, with shock absorber, auto locking snap hook, carabiner and two auto locking pelican hooks.

Shock Absorbing Lanyard	160505	60"	2 lbs
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Nylon webbing, with shock absorber, carabiner and auto locking pelican hook.

	Item #	Description	Wt #
Retractable Lanyard	160526	9'	2.2 lbs



Retractable Lanyards are rated for Fall Arrest (FA), but once used in a fall must be retired from service. Retractable Lanyards are NOT recertifiable. Carabiner is included.

	Item #	Description	Wt #
Double Locking Separator Snaphook	160556	DLS SH	2 lbs



This device is designed to reduce the amount of pressure that is applied to the hips when descending.

RAM safety accessories



	Item #	Description	Wt #
Hercules Kernmantle Safety rope	160436	30'	2 lbs
	160502	100'	5 lbs
	160503	300'	15 lbs
	160504	500'	25 lbs



For use as a temporary fall arrest system with a rope grab. Thirteen mm. thick and available in various lengths. Comes with a formed eye (thimble) and auto locking pelican hook.

	Item #	Description	Wt #
Rope Grab Lanyard	160435	19.5	2 lbs



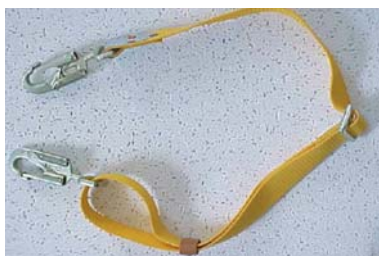
Nylon webbing, with shock absorber, rope grab and auto locking snap hook. For use with thirteen mm. diameter Kernmantle rope.

	Item #	Description	Wt #
Telescoping Fiberglass Pole	160570	8'-16'	20 lbs



Comes with a universal head and extends from 8' to 16'.

	Item #	Description	Wt #
Pole Strap	160433	5'-8"	2 lbs
	160574	7"	2 lbs



Nylon webbing, with two auto locking snap hooks and adjustable buckle.

RAM safety accessories



	Item #	Description	Wt #
Tower Hook	160568	Medium	2 lbs



This universal tower hook is used in conjunction with a 8' to 16' telescoping fibre-glass pole as first climb device.

	Item #	Description	Wt #
Carabiner	160440	Medium	0.5 lbs
	160580	Large	0.5 lbs



Auto locking gate and stamped 5000lbs. The Medium carabiner is the standard size used at Radian. The Large pear-shaped carabiner is use in conjunction with the Chain Separator hook for work positioning.

	Item #	Description	Wt #
Descendor™ Descent Control Device	160509	3'	0.75 lbs



Purple polyester round sling. Colour code purple. Rated for 5000 lbs in a basket configuration. Use for Fall Protection anchorage only.

RAM safety accessories



	Item #	Description	Wt #
Cable Grab	160002	Gravity	2 lbs



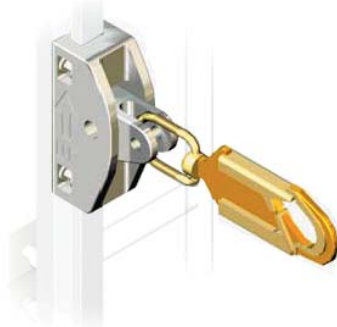
For use with 3/8" diameter, 7-strand Grade 180 cable.

	Item #	Description	Wt #
Ram Cable Safety Sleeve (Slider)	160526	9'	2.2 lbs



C/W carabiner, this slider is used in conjunction with the Ram Cable System.

	Item #	Description	Wt #
Ram Trolley	160372	Gravity	2 lbs
	160372	Gravity	2 lbs



C/W swivel hook, this trolley is used in conjunction with the Ram Rail system. Two models are offered, #160372 which uses a gravity lever mechanism for inside climb applications, and #160389 which uses a spring lever mechanism for outside climb.

RAM safety accessories



	Item #	Description	Wt #
Tower Hook	160568	Medium	2 lbs



Reinforced vinyl bottom with drain holes, inside pocket. Two nylon straps with snaphook and loops for easy attachment to a tool belt. Made of cotton canvas. Colour "Natural".

	Item #	Description	Wt #
ANSI Hard Hat	160526	9'	2.2 lbs



Comes with a four point ratcheting suspension liner. Available in white or grey.

	Item #	Description	Wt #
Hard Hat Wide Brimmed	160555	DC Device	1.5 lbs



Comes with a six point ratcheting suspension liner. Available in white or grey.

RAM safety accessories



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RADIAN



terms and conditions of sale

General – In accordance with the usage of trade, we conclusively presume by the absence of any written objection and by the acceptance of part or all of the material ordered that:

- All proposals, negotiations, and representations regarding a transaction that are made prior to the date of this document, if any, are hereby merged into this document.
- All delivery prices are FOB our point of manufacture, unless otherwise specified.
- The agreement and language herein shall be construed and enforced in accordance with the laws of the Province of Ontario and the federal laws of Canada, applicable therein as of the date of e-mail confirmation of your order.
- A finance charge, at the monthly rate of 2%, will be assessed on past due invoices where allowed by applicable law.

Delay – We shall be excused for any delay in performance caused by acts of God, war, riot, embargoes, acts of civil or military authorities, fires, floods, accidents, quarantine restrictions, mail conditions, strikes, differences with workers, delays in transportation, shortages of cars, fuel, labor or materials or any other circumstances or causes beyond the control of our reasonable conduct of business.

Title and Risk of Loss – Full risk of loss, including transportation delays and losses, shall pass to you upon delivery of products to the FOB point. However, we retain title, for security purposes only, if all products are not paid in full in cash. In the event that you default in payments hereunder, we, at our option, may repossess all unpaid products and charge you with any deficiency.

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Credit Approval – Shipment, deliveries, and performance of work shall at all times be at the approval of your credit. We may at any time decline to make any shipment or delivery, or to perform any work, except on receipt of payment or security, or upon terms and conditions satisfactory to us.

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Packaging for Shipment – The pricing for our products includes packing for standard ground domestic shipments, such as motor freight or package carriers. When special packaging is required for other means of shipment, such as for air shipment, ocean freight, etc., additional charges will apply and will be added to the order. Pricing for such special packaging will be furnished to you upon request.

Freight – Freight prices, if shown, are estimated for the stated mode of transportation and are based on tariffs and rates in effect at the time of the quotation. Freight charges are to your account. Point of delivery of all products is defined as the nearest dock or terminal used or arranged for by the appointed carrier, and that which is nearest to the construction site(s). Handling and further transportation from the defined point of delivery will be your responsibility unless specifically included in the quotation.

Customer-Specified Shipping Instructions and Freight Terms – We shall comply with the customer-specified shipping instructions and freight terms, provided they are stated in the written purchase order. On verbal purchase orders, we shall comply with the customer-specified shipping instructions and freight terms. However, in the event a confirming purchase order with different shipping instructions or freight terms is received after the order has shipped, the instructions and terms in the verbal purchase order will control. Written and verbal purchase orders that specify the destination, without specifying routing instructions and/or freight terms, will be shipped by a carrier and with freight terms (prepaid, collect, COD, etc.) of our choice.

Under no circumstances shall we be responsible or back-charged for the loss of customer freight advantages due to routing instructions and/or freight terms.

Return of Material

- Advance authorization must be obtained and the returned products accompanied by a Return Authorization (RA) number.
- When authorized, the products must be returned within 90 days after the shipment date, in the original package, if any, and otherwise be in new condition. Products are to be returned with the freight charges prepaid.
- When the above conditions are satisfied and the products are accepted by us, a credit will be issued for the products, less a 25% restock charge.

Shortage and Damage Claims – All claims of shortages and damage must be filed within seven days of receipt of material.

Engineering Terms & Conditions – All products shown in our catalog are intended to be used by personnel who are qualified, trained and experienced in the design and installation of communication structures and installations. A licensed professional engineer familiar with these structures must be consulted to perform thorough structural analysis prior to any installation. Please contact us if you wish to perform these types of analyses. Prior to installation, structures must be at least visually inspected for corrosion by personnel experienced in that field.

Prices and specifications are subject to change without notice.

To find out more about how Radian can help with deployment of your infrastructure and network systems, please contact us at:

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