SAMSON TERMS AND CONDITIONS

APPLICABILITY Samson standard terms and conditions apply unless otherwise specified. All Purchase Order terms and conditions will be confirmed at receipt of order and will only apply upon formal PO acceptance.

PRICES

- All prices are in U.S. dollars.
- All prices are subject to change without notice. Invoice price will be the price in effect at the time of shipment.
- Prices are maintained in our system to five decimal places, but shown herein rounded to two decimal places. Exact pricing will be reflected on Samson's quote or invoice.
- All prices are shown per foot, except products sold in exact put-ups or packaged lengths which are shown per unit and products sold in various cut/bulk lengths which are shown per 100 feet.
- Prices do not include sales tax, use tax, VAT, import or export duties, or similar charges, all of which shall be for customer's account.
- Prices may not be all-inclusive. Other charges may apply.
- All orders are subject to acceptance by our corporate headquarters in Ferndale, Washington USA.
- Samson will honor freight quotes for sales orders under the following conditions. Air freight quotes are valid 10 days from issue date, and ocean freight quotes are valid 30 days from issue date. Any shipments departing beyond the freight quote expiration date are subject to adjustment based on most current rates. Freight quotes provided for sales opportunities will not be honored and must be re-quoted when sales order is received.

MINIMUM ORDER

- **$500.00 minimum order is required. Any order less than $500.00 will be invoiced at $500.00 (plus freight).**

SHIPMENT, DELIVERY AND RISK OF LOSS

Unless otherwise agreed by all parties, standard freight services are provided by Samson as specified:

- All International shipments are FCA factory Incoterms 2020.
- All shipments to the 50 US states and District of Columbia are FOB Origin per Section 2-401 of the UCC.
- All orders will be shipped freight prepay and add or freight collect.
- Samson does not ship to post office boxes, APO's or FPO addresses.
- Shipments requiring specialized transportation equipment, including but not limited to flat beds for less than truck load shipments, platforms, drop decks or low boys will result in additional freight charges to Buyer, and if Samson for any reason incurs those costs to ship the Product, Buyer agrees to refund all amounts paid.
- Assessorial fees incurred as a result of lift gate, inside delivery, residential, redelivery, or any fee for non-standard delivery requirements will result in additional freight charges to Buyer. And if Samson incurs those costs to ship the Product for any reason, Buyer agrees to refund all amounts paid.
- Risk of loss and damage for the Products sold hereunder shall pass to Buyer per designated Incoterms 2020. Any claims for shortages or damages suffered thereafter are the responsibility of Buyer and shall be submitted by Buyer directly to the carrier.
- Visible shortages or damages must be identified and signed for at the time of delivery. Samson will not reimburse or provide credit for visible damage or shortage if customer fails to notate exceptions on carrier paperwork at time of delivery of goods. Claims made for hidden damage must be filed upon discovery directly to the carrier.
- While Samson will use all reasonable commercial efforts to maintain the delivery date(s) acknowledged or quoted by Samson, all shipping dates are approximate and not guaranteed. Penalties for delay and other claims for compensation for damages without a special agreement are excluded.
- Samson reserves the right to make partial shipments unless otherwise agreed by the Parties.
- Samson, at its option, shall not be bound to tender delivery of any Products for which Buyer has not provided shipping instructions and other required information.
- If Products are ready for shipment and Samson is arranging shipment and Buyer has not provided requisite shipping information at least two weeks prior to the Shipment Date, then (i) on the Shipment Date all risk of loss transfers to Buyer and Samson may invoice Buyer for the Products and (ii) at Samson's election, until Samson receives the requisite shipping information, Samson may store such Products at Buyer's risk and cost at Samson's facility or with a third party. If Products are ready for shipment and Customer is arranging shipping and the Products have not been

SHIPMENT, DELIVERY AND RISK OF LOSS (cont.)

picked up by the carrier by the Shipment Date, then (i) on the Shipment Date all risk of loss transfers to Buyer and Samson may invoice Buyer for the Products and (ii) at Samson's election, Samson may store such Products at Buyer's risk and cost at Samson's premises (at Samson's standard storage fees) or with a third party. Storage at Samson's facility shall be at Samson's standard storage fees. "Shipment Date" means the date set forth as the shipment date on Samson's order acknowledgment for the Products.

UPON APPROVAL OF CREDIT

Standard domestic and Canadian payment terms are 1% 20, Net 60 days from date of invoice. Standard international payment terms are Net 30 days from date of invoice.

ORDER CHANGES/CANCELLATIONS

All order changes and cancellations will be subject to reimbursement of any losses and/or expenses incurred by Samson. Change or cancellation requests (regardless of the method used to communicate the request to Samson) will not be effective until accepted by Samson in writing.

RETURNED GOODS

No returns will be accepted without written authorization from our corporate headquarters in Ferndale, Washington USA. Authorization of returns is in Samson's sole discretion and will be denied unless goods are in saleable condition, have been purchased within the preceding six months, and can be resold in the normal course of Samson's business. No returns are accepted on custom fabricated items and special order products. All returned goods are subject to a 20% handling charge and must be returned to Ferndale, Washington, Lafayette, Louisiana, or Barcelona, Spain as specified by Samson.

SPECIAL ORDER PRODUCTS

Products and sizes not included in this price list may be available on a special order basis. A fee will be applied to all special orders that do not meet minimum length requirements. Special orders are not eligible for return; all purchases are final. Please contact your customer service representative for pricing and availability information. Special orders are subject to approval of our corporate headquarters in Ferndale, Washington USA.

WARRANTY / LIMITATION OF LIABILITY

Samson warrants that all goods sold will be merchantable, as provided Section 2-314 of the Uniform Commercial Code, and free from manufacturing defects. SAMSON DISCLAIMS ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF FITNESS FOR PARTICULAR PURPOSE. SAMSON'S SOLE LIABILITY AND OBLIGATION FOR A BREACH OF THE FOREGOING WARRANTIES AND ON ANY OTHER CLAIM OF ANY KIND ARISING OUT OF, IN CONNECTION WITH OR RESULTING FROM THE SALE OF GOODS, THE PERFORMANCE OF GOODS OR THE USE OF GOODS IS LIMITED SOLELY AND EXCLUSIVELY TO REPLACE THE DEFECTIVE GOODS OR TO REFUND THE PURCHASE PRICE ACTUALLY PAID FOR THE DEFECTIVE GOODS, AS SAMSON ELECTS, AND NO OTHER RIGHT OR REMEDY WILL BE AVAILABLE TO CUSTOMER OR TO ANY PERSON OR ENTITY. UNDER NO CIRCUMSTANCES SHALL SAMSON BE LIABLE TO ANY PERSON OR ENTITY FOR (I) ANY INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY OR PUNITIVE DAMAGES, (II) ANY FINES OR PENALTIES OF ANY KIND, OR (III) ANY LOSS OF PROFITS OR ANY OTHER ECONOMIC LOSS, WHETHER OR NOT FORESEEABLE. THE FOREGOING LIMITATIONS ON LIABILITY APPLY IRRESPECTIVE OF THE THEORY OF LIABILITY (WHETHER A CLAIM IS GROUNDED IN CONTRACT, TORT (INCLUDING NEGLIGENCE), ANY THEORY OF STRICT LIABILITY OR ANY OTHER THEORY).

EXPORT COMPLIANCE

The purchase of Samson products is subject to all applicable U.S. export laws and regulations, including but not limited to laws and regulations relating to the product's destination, end user or use (collectively, the "Export Control Laws"). By purchasing Samson's products, customer represents that its purchase is in full compliance with all Export Control Laws and agrees that it will not, directly or indirectly, use, transfer, export, re-export, resell or otherwise dispose of any Samson product, whether in its original form or incorporated into other goods, except in full compliance with all Export Control Laws. To enable Samson to conduct export control reviews, customer shall promptly provide Samson with all information as Samson shall reasonably request pertaining to both the customer and the end user, and the ultimate destination and intended use of the products.

TECHNICAL ORDER INFORMATION

TECHNICAL ASSISTANCE

Additional information and technical resources are available at ***SamsonRope.com***. If you do not find the information you need to make an informed decision, you may contact your regional sales manager or customer service representative who will refer you to the proper technical resource. The product specifications in this price list supersede any previously published price lists. Please check our website for the most up-to-date specifications.

STRENGTHS AND USAGE

All stated strengths are approximations for new rope. Construction and materials are subject to change without notice. For additional information, please contact customer service.

ELASTIC ELONGATION PERCENTAGE

Presented at 10, 20, and 30% of break strength of a new rope, where tested ropes were stabilized by being cycled 50 times from standard reference load to the stated percentage of break strength.

SPECIFIC GRAVITY

The specific gravity presented is the typical value for the product family, however, it can vary slightly by diameter for ropes made with blended fibers. For applications/use that may require ropes to sink or float immediately, please contact Samson for further clarification.

SIZES

Sizes are in nominal diameters and do not reflect exact dimensions. For applications requiring more specific diameter/dimensional information, contact Samson.

WEIGHTS

All stated weights are approximate. Tolerance on product weights are + /- 5% (vs nominal).

ROPE CLASSIFICATION

Class I rope constructions consist of traditional fibers such as polyolefin, nylon, and polyester. Class II rope constructions consist of high modulus fibers such as HMPE, aramid, and LCP (liquid crystal polymer.) It is absolutely critical that the proper splicing technique be used when splicing Class II ropes. Refer to the Samson Splicing Manual or ***SamsonRope.com*** for full details on the splice appropriate to your Class II rope.

LENGTHS*

All lengths are nominal. Variation on the shipment tolerances are:

BULK ROPE > Class I ropes +/- 5% (vs nominal)
> Class II ropes +5% / -0% (vs nominal)

FABRICATED ASSEMBLIES

3 measurement definitions available at +/- 2.5% (vs target):

> CUT LENGTH: The measured length of the total bulk rope used. If fabrication is required, the length of the rope will be shortened by the amount necessary for the specific assembly.
Example case: exact length non-critical to use/installation.

> OVERALL LENGTH: The received assembly length before use. The measured assembly length of the rope from bearing point to bearing point before bedding in (constructional elongation not removed).
Example case: critical specific length BEFORE splice setting.

> OVERALL WORKING LENGTH: The desired in-service length of the rope measured after it is bedded in (anticipated constructional elongation).
Example case: critical specific length AFTER splice setting.

> EYE LENGTH: Measured with the eye formed around a small post of negligible diameter, or connected to a small-diameter pulling line. The rope is pulled under hand tension until the legs of the eye are straight and collapsed as flat as possible. Length is measured from the inside back of the eye at the bearing point to the entry point of the buried tail (or first tuck) of the splice. Eye-length tolerance is +/-10% (vs target).
Example case: If eye length is to be measured as-formed around a pin or hardware of a certain dimension, this must be specified at the time of order and will be defined in a Samson Assembly Drawing.

**More accurate length measurement (length vs tension) can be achieved, but must be defined and agreed upon before time of order. These requirements would be documented and agreed upon in a Samson assembly drawing.*

CUSTOMER SERVICE

EMAIL: CustomerService@SamsonRope.com
TEL: 1.360.384.4669 FAX: 1.360.384.0572
TOLL FREE: 1.800.227.7673

CONSIDERATIONS FOR SPLICED ROPES & ROPE MEASUREMENT

CONSIDERATIONS IMPACTING STRENGTH

Connecting hardware:

> The size of connecting hardware (i.e., thimbles, shackles, links, etc.) relative to the rope can impact rope strength.

> For grommet and endless loop configurations, Samson recommends a 1.6x multiplier for determining grommet strength. However, this can be greatly impacted by hardware size, and attention should be given when calculating theoretical strength values.

For grommets used in static applications, Samson recommends a MINIMUM diameter for connecting hardware of 3x the rope's diameter:

> This D/d ratio impacts the grommet and rope strength, and care should be taken in the design and selection of rigging hardware.

CONSIDERATIONS IMPACTING ELONGATION

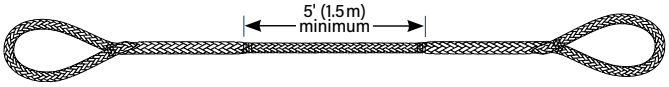
Elongation characteristics vary for new and broken-in ropes:

> For details on elongation characteristics, please contact customer service.

CONSIDERATIONS FOR ORDER PLACEMENT

> If the required strength is not listed in the charts, please contact customer service for assistance.

CONSIDERATIONS FOR SPLICING & RIGGING



Samson recommends a minimum distance of 5 feet (1.5 meters) between the ends of each splice:

> Some applications may require shorter lengths. Careful consideration should be given to ensure that splices do not come into contact with any bearing points under tension.

> The distance required between splices (clear rope) will impact the minimum sling fabrication length. All hardware and connections should be figured into the overall length of the rope prior to designing the final sling configuration.

> Rope will increase in diameter in the splice area. This change is on average 1.75x the ropes diameter.

ROPE LENGTH MEASUREMENT RECOMMENDATIONS

LENGTH TOLERANCE AT SAMSON

In order to meet Samson quality standards and practices, all Class II products made in whole or in part from high-modulus fibers such as HMPE, aramid, LCP, etc., are measured with a length tolerance of +5%/-0% for bulk rope supplied on reels. Class I products made with polyolefin, nylon, or polyester fibers are measured with a length tolerance of +/-5%. These are determined during the reeling process, as described below:

A rope is run over an elevated roller, or through two horizontal breaker bars that add back-tension to control the rope as it is pulled through the reeling system. The rope is then looped around a number of capstans that are controlled to a tension of 10 pounds. The rope finally passes through a length counter as it is wound on to the final reel and cut at the required length. The back-tension on the rope as it moves through the counter assists in providing a consistent length measurement and a solidly wound reel.

LENGTH MEASUREMENT ACCURACY

The length counters are checked for accuracy bi-weekly using a reference standard. The standard used is a predetermined rope sample with a firm shape and very low stretch that is run through the counters to verify the length read out. A 100-foot length of calibrated cord is used as the reference standard.

Recommendations for measuring bulk rope length:

> If a reliable rope length counter is available, it should be used as indicated by the manufacturer's instructions, while adding back-tension of approximately 10 pounds.

> In the absence of a length counter, it is recommended to lay the rope out straight on a flat surface with a slight hand force or lightly tensioned by hand to measure the length. The rope should not be curved or twisted at any point in its length.

Recommendations for measuring assemblies:

> When it is safe and feasible to apply reference tension, a pounds-force load equal to [200 lbf / in^2 * (nom. dia. $in)^2$] per CI 1500A-2015 will provide the most accurate length measurements—measuring from bearing point to bearing point.

> When controlled (machine) tension is not feasible, hand tension should be applied with the assembly on a flat surface, measure bearing point to bearing point.

> When measuring assemblies fabricated to achieve specific cut length or overall working length targets, any measurements made prior to application of tension are expected to be shorter than the listed length value.