SMC/Russ Anderson Rescue/Industrial Pulleys

SEATTLE MANUFACTURING CORPORATION
6930 Salashan Parkway, Ferndale, WA 98248-8314
Toll free 1-800-426-6251 Ph. (360) 366-5534 Fax (360) 366-5723
www.smcgear.net info@smcgear.net

These are the "original" Russ Anderson/SMC pulleys that are legendary throughout the fire, rescue and work-related professions. The most widely used pulleys of their kind, SMC/RA pulleys are well-known for delivering the highest levels of performance, quality and durability as demanded by rescue and industry professionals alike. These time tested designs are made using the optimal combination of materials with every component perfectly matched for its intended use and application. The lineup of SMC/RA pulleys consists of one pulley with aluminum side plates and nine others with stainless steel side plates. All are known for being rugged yet relatively light weight and delivering reliable performance under even the worst of conditions.

Offered in a choice of either Oilite or sealed Ball Bearings, the SMC/RA series of pulleys include singles and doubles ranging in size and style from a 2" single to a 4" double. Oilite (sintered bronze) bearings are popular for delivering reliable performance at a reduced cost. Sealed ball bearings provide optimal efficiency and reduce the performance-robbing resistance that is inherent in most multiple component systems. In addition, sealed ball bearings are not prone to failure under misaligned loads or with twisted gear as can be the case with needle bearings. The axle-nuts are double locked to the steel axle and then marked with a witness line in order to help detect any loosening. The attachment hole is sized to accept large rescue carabiners with sufficient room to allow the carabiners to rotate freely and easily.

SPECIFICATIONS

Model:	NFPA130500	NFPA150000	NFPA150500	NFPA151000	NFPA15200
Type:	Single	Single	Single	Single	Single
Axle:	Ball Bearing	Oilite	Ball Bearing	Oilite	Oilite
Dimensions:	4.6" x 2.5" x 1.34"	4.6" x 2.5" x 1.39"	4.6" x 2.5" x 1.39"	6.6" x 3.63" x 1.52"	7.7" x 4.63" x 1.52"
Material:	Aluminum	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Weight:	6.3 oz (179g)	8.6 oz (244g)	8.6 oz (244g)	16 oz. (454g)	23 oz. (652g)
Sheave:	2"	2"	2"	3"	4"
Max. Rope:	1/2" (13mm)	1/2" (13mm)	1/2" (13mm)	5/8" (15.5mm)	5/8" (15.5cm)
Rated:	NFPA "L" 22kN	NFPA "L" 22kN	NFPA "L" 22kN	NFPA "G" 36kN	NFPA "G" 36kN
3 Sigma MBS:	6,070 lbf (27kN)	6,519 lbf (29kN)	6,519 lbf (29kN)	11,465 lbf (51kN)	8,543 lbf (38kN)

SPECIFICATIONS

Model:	NFPA152500	NFPA155000	NFPA155500	NFPA157000	NFPA157500
Type:	Single	Double	Double	Double	Double
Axle:	Ball Bearing	Oilite	Ball Bearing	Oilite	Ball Bearing
Dimensions:	7.7" x 4.63" x 1.52"	6.6" x 2.5" x 2.0"	6.6" x 2.5" x 2.0"	9.9" x 4.63" x 2.37"	9.9" x 4.63"x 2.37"
Material:	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel	Stainless Steel
Weight:	23 oz (652g)	16.2 oz (460g)	16.2 oz (460g)	40.3 oz. (1.14Kg)	40.3 oz. (1.14Kg)
Sheave:	4"	2"	2"	4"	4"
Max. Rope:	5/8" (15.5mm)	1/2" (13mm) 1/2"	(13mm)	5/8" (15.5mm)	5/8" (15.5mm)
Rated:	NFPA "L" 22kN	NFPA "G" 36kN	NFPA "G" 36kN	NFPA "G" 36kN	NFPA "G" 36kN
3 Sigma MBS:	6,519 lbf (29kN)	9,217 lbf (41kN)	9,217 lbf (41kN)	14,163 lbf (63kN)	14,163 lbf (63kN)
Becket:	n/a	3,372 lbf (15kN)	3,372 lbf (15kN)	5,170 lbf (23kN)	5,170 lbf (23kN)

APPLICATIONS-

- Mountain & Urban Rescue
- Film/Theatrical
- Mountaineering/Caving
- Fire Departments
- Tactical & Law Enforcement
- Work-related

OFTEN USED WITH THESE SMC PRODUCTS-

Large Steel Locking Carabiners
Lite Alloy Steel Locking Carabiners
Rigging Plates Swivels

PLEASE READ WARNINGS AND IMPORTANT INFORMATION ON OTHER PAGE

SMC/Russ Anderson Pulleys FEATURES AND BENEFITS

- UL certified to NFPA 1983 (2006 ed.) “G” General Use or “L” Light Use as required by most government and private agencies.
- Use either high efficiency sealed ball bearings or durable Oilite bushings and are designed to work flawlessly under conditions that might shut down a lower quality pulley.
- Sealed ball bearings provide optimal efficiency thus reducing the performance-robbing resistance inherent in most multiple component systems and are not prone to failure under misaligned loads or with twisted gear as may occur with needle bearings.
- Oilite bearing is self-lubricating, delivering reliable performance at a cost below that of a pulley using with sealed ball bearings.
- Matched double-bend side plates help to eliminate compression under load and the resulting friction on rope or sheave.
- Solid side plates help to keep dirt and debris out of the rope track.
- Side plates are precisely tensioned and for easy one-handed operation and secure placement at any point along the rope.
- The double version features a Becket that facilitates rigging complicated pulley systems. The Becket hole will accept large rescue carabiners and is large enough to allow the sleeve of carabiner to pass through.
- The axle-nuts are double locked to the steel axle and marked with a witness line to help detect any loosening.

Minimum Breaking Strength—3 Sigma Test

The Minimum Breaking Strength of all SMC products are calculated using the 3 Sigma Rating System which indicates that 99.8%3 of the products tested will break at loads above the MBS.
SMC products that are certified by Underwriter’s Laboratories as meeting NFPA requirements are labeled with the applicable NFPA rating. Typically the SMC 3 Sigma MBS will exceed the labeled NFPA rating.

CARE, MAINTENANCE and RETIREMENT SCHEDULE NEEDS

Always inspect your pulleys before each use and periodically while in storage. The user, depending upon their specific environment and storage methods, must determine the period between inspections. Inspect for warping, cracks, deep gouges and worn areas, making sure that what may appear to be a scratch is not actually a crack. Look for sharp edges or rough areas that might abrade a rope. Check screws and nuts to make sure they have not loosened. After each use, remove all dirt from side plates and sheaves and allow pulley to dry in a warm place before storing. SMC pulleys will continue to provide reliable performance only when used safely and properly maintained and stored. It is also suggested that the user of this pulley maintain a permanent record listing the date and results of every usage inspection.
We recommend the regular inspection of all rescue equipment and strongly suggest retiring gear when any of the following applies:
1) Regular inspection reveals warping, cracks, deep gouges or any wear.
2) It is physically damaged or no longer functions as when new.
3) It has been subjected to an abnormally high loads, such as in a fall or exposed to heat sufficient to alter its surface appearance.
4) You are not completely satisfied that it meets the needs of its intended use.
5) The history of the gear is unknown or otherwise in question.

WARNING/DISCLAIMER

SMC products designed strictly for rescue, mountaineering or rock-climbing. All of these activities are inherently dangerous therefore any person using these items must obtain qualified instruction prior to using them in any manner. Any person using these items is responsible for their own decisions and actions.
FAILURE TO HEED THIS WARNING or FOLLOW INSTRUCTIONS CAN CAUSE SERIOUS INJURY OR DEATH.

A trusted partner...quality gear for life.

Expert climbers and rescue personnel agree on one thing...there is no better product to count on than one that was made by SMC. Founded in 1967, SMC has a well-deserved reputation for designing and building the best products of un-compromised quality and reliability.

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