



Coats American

STAR®

STAR NYLON AND STAR MONOCORD NYLON

FEATURES

- **100% nylon** — Fiber is inherently resistant to abrasion and many other adverse exposures, i.e., chemicals and sunlight
- **Specifically engineered** — Available in a wide variety of sizes and finishes to suit numerous applications
- **Strong** — Results in very high loop strength and seam strength values
- **Highly durable** — Broad range of lustrous colorfast fashion shades, including some fluorescent colors
- **Controlled-stretch processing** — Excellent sewability for optimum operator and sewing machine efficiencies; excellent extension and recovery



STAR NYLON and STAR MONOCORD NYLON are Coats American's conventional continuous multifilament polyamide synthetic sewing thread products.

Applications for these products are numerous, from stitching leather goods to upholstered furniture and heavy canvas products, to lightweight gloves and lingerie.



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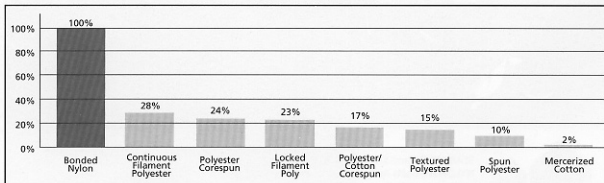
PHYSICAL CHARACTERISTICS
STAR NYLON SOFT (CS) AND BONDED (CSB)

TKT SIZES	GOVERNMENT VT295 TYPES I & II	APPROX SINGLE-END STRENGTH (LBS)	APPROX YDS/LB SOFT	APPROX YDS/LB BONDED	RECOMMENDED NEEDLE SIZES		
					SINGER	UNION SPECIAL	METRIC
23	A/3	3.0	18,500	18,220	10-12	027-032	70-80
33	AA/3	4.6	12,750	12,500	12-16	032-040	80-100
46-2	B/2	7.6	9,320	8,860	14-18	036-044	90-110
46	B/3	6.4	9,320	8,860	14-18	036-044	90-110
58	—	9.3	7,400	7,100	16-19	040-048	100-120
69	E/3	11.4	6,300	6,124	16-19	040-048	100-120
92	F/4	15.2	4,800	4,600	19-22	048-054	120-140
99	—	16.7	4,280	4,070	19-22	048-054	120-140
138	FF/3	22.8	3,100	3,050	22-25	054-067	140-180
207	3/3	34.2	2,070	2,005	25-27	067-100	180-250
277	4/3	48.9	1,550	1,500	26-28	091-110	230-280

STAR MONOCORD NYLON BONDED (AM)

TKT SIZES	APPROX SINGLE-END STRENGTH (LBS)	APPROX YDS/LB	RECOMMENDED NEEDLE SIZES		
			SINGER	UNION SPECIAL	METRIC
15-00	2.0	27,500	9-10	025-027	65-70
23	3.0	18,500	10-12	027-032	70-80
37-8	4.0	13,800	12-16	032-040	80-100
37-5	6.2	11,400	14-18	036-044	90-110
46-5X	7.6	9,205	14-18	036-044	90-110
58-8	9.3	7,700	16-19	040-048	100-120
69-8X	11.4	6,140	16-19	040-048	100-120
92	15.2	4,600	19-22	048-054	120-140
125	18.5	3,700	22-25	054-067	140-180
138	22.1	3,180	22-25	054-067	140-180
147	28.5	2,696	23-27	060-110	150-280

ABRASION RESISTANCE





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APPLICATIONS	TICKET SIZE	APPLICATIONS	TICKET SIZE
Embroidery bobbins	15-00	Upholstered furniture (bobbins)	37-5, 46-SX, 58-8, 46
Multineedle quilting	23, 33	Automotive interiors	69, 92
Disposable garments	23, 33	Seat belts	138, 147, 207
Ladies' and children's clothing	23	Canvas goods	138, 147
Men's suits and coats	23, 33	Ladies' shoes	33, 46
Lingerie	23	Men's boots and shoes	46, 69
Curtains and drapes	23	Sporting goods	138, 207, 277
Mattresses	46, 69	Automotive air bags	69, 92, 138, 147
Upholstered furniture (top thread)	46, 69		

PHYSICAL AND CHEMICAL PROPERTIES OF FIBERS

Heat	Sticks at 445° Melting Point 485° - 500° F
Acids	Decomposed by strong mineral acids, resistant to weak acids
Bleaching	Poor resistance to chlorine
Alkalis	Unaffected
Organic solvents	Generally unaffected
Microorganisms (mildew, rot)	Unaffected
% Moisture regain	4.5
Sunlight (degradation)	Good resistance to strength loss

COLOR RANGE AND FASTNESS

Color range	Available in a broad range of standard and custom shades
Dry heat fastness (sublimation)	Not required for normal end uses, however, excellent fastness is available on request.
Light fastness	Good to excellent
Wash fastness	Good to excellent
Crock fastness	Excellent
Dry cleaning fastness	Good

The above ratings are based on the standard color range and color fastness provided with this brand. Ratings were derived by accepted test methods of the American Association of Textile Chemists and Colorists. Where special fastness requirements are needed, these may be tailored to suit individual specifications.



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MAJOR TYPES

CS	Controlled Stretched Soft
CSB	Controlled Stretched Bonded
AM	Bonded Monocord
VT295	Certified to meet U.S. Government Specifications Types I, II, and III

LUBRICANTS/SPECIAL TREATMENTS

Silicone blends Provide smooth uniform thread delivery for consistent stitch formation. Also provide good needle heat protection.

Wax For those problem applications where the prevention of lube transfer is a major concern, or for uses which are mandated to be silicone free.

Nonwick Primarily used for military applications. This special treatment is intended to prevent the capillary action of water through a sewn seam.

Heat resistant H. R.™ is a special finish which offers the highest degree of protection from needle heat.

COMPLETE YOUR SEWING THREAD REQUIREMENTS WITH STAR NYLON AND STAR MONOCORD NYLON READY-WOUND BOBBINS

FEATURES

- **Long yardage** — Increased machine run time; fewer bobbin changes; increased production
- **Precision wind** — Predictable number of sewn seams per bobbin; consistent thread delivery; neater seams; fewer repairs and seconds
- **Broad selection of thread constructions, fibers, sizes, colors, and bobbin styles** — Products readily available for most lockstitch sewing requirements; products can be engineered for individualized special needs
- **Superior quality** — Resists overspinning; uniform tension and stitch formation; less waste
- **Eliminates metal bobbins** — No expenditure for metal bobbins or metal bobbin winders; faster bobbin changes; easy to use



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**Right Response®: Service that fits
the way you do business.**