

COATS nymo belbobs & barbobs

COATS nymo's special fine-denier tower bonding technology creates a wide range of precision-wound bobbins for all types of lockstitch and twin needle applications.

Bobbin Style Chart – COATS nymo

Brand	Size	Style	Yds/ Belbob	Yds/ Barbob
nymo	OOO	L	168	160
	OO	D	109	–
	OO	G	150	140
	OO	L	120	110
	OO	M	217	192
	O	G	–	115
	O	L	100	90
	A	L	77	–
	B	G	80	72
	B	A	72	64
	D	G	72	64
	D	L	53	49
	D	M	106	–
	F	G	49	43
	F	GP	47	–
	F	H	41	–
	F	M	73	–
	F	U	95	–
	FF	GP	32	29
	FF	L	–	22
FF	M	51	–	
FF	U	65	–	
nymo Ex	OO	MU	375	–
	4	57	296	–
	5	G	72	64
	5	M	106	98
	5	MA	120	–
nymo UVR	5	U	137	–
	5	57	263	–
	DD	GP	32	30
	DD	H	29	–
	EE	G	26	24
	EE	M	37	34
	FF	U	40	–
N160	M	23	–	

- Only popular styles listed above
- Bobbin styles determined by sewing machine type. Any style can be developed for any nymo size
- Bobbin yields are approximate and are for bonded colors

Coats Pre-wound Bobbins

Benefits:

- Precisely engineered tack profile for instant braking action and uniform pull-off tensions
- Instant braking prevents bobbin overspinning
- Uniform tension improves stitch quality and operator efficiency
- 15% - 30% higher yardage for fewer bobbin changes
- Higher yardage cuts bobbin change time by 45%
- Overall productivity improvement of 3% - 20%
- Lower thread wastage, no trapped ends, no crossovers

COATS nymo Belbobs

Added value

- Unique oval cross-section increases pack density
- Monocord construction creates a thread 20% finer than twisted
- 25% more yardage per belbob for the same style and tex size
- Belbob core ensures 100% thread utilization
- "nymo system" downsizes bobbins to increase yield even further

Thread Applications by Size

Bobbin Type	Core	Shell
Barbob	Yes	Yes
Belbob	Yes	No

- Belbob is the recommended bobbin type for most applications



Multidirectional magic.

COATS nymo® thread comes to you from the World of Coats, the world's largest supplier of industrial thread products. We have the unique ability to service our customers anywhere in the world with our global product offering, innovative technical solutions, creative ideas and superior customer service. All Coats products are backed by Coats Technical Service, which gives you expert, on-the-spot advice on your sewing problems, absolutely free of cost.

Multidirectional sewing.

One brand.

COATS
nymo®
by Barbour



BONDED NYLON
MONOCORD THREAD



COATS *nymo*®

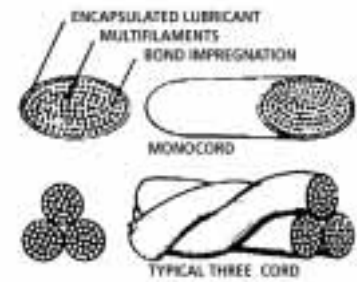
High-speed, multidirectional sewing creates thread rotation, causing traditional plied thread to untwist and fray. COATS *nymo*'s unique, single-ply construction eliminates ply untwisting problems: A single ply of multi-filament nylon is lightly bonded at its point of contact – just enough to form a cohesive element without stiffening the product. Our proprietary bond chemistry, special tower bonding application process, and a unique oval cross section produce a wide range of COATS *nymo* needle threads and fine denier bobbins that are unsurpassed in quality and performance for twin-needle and multidirectional sewing.

Key Benefit

Unique thread “system” for high-speed multidirectional sewing.

Main Applications

- Single needle comforter quilting (COATS *nymo* quilt superlube)
- Light leather upholstered furniture
- Dress shoe uppers
- Leather wallets
- Automobile seat belts
- Premium luggage and sporting goods
- All bobbin applications



MONOCORD vs TWISTED 3 CORD.

Feature

- Nylon monocord construction
- Resists thread rotation in either left- or right-hand direction
- Unique oval cross section
- Stitches lie flatter to seam surface
- 20% finer than twisted threads of equivalent denier
- High creep resistance
- Parallelized nylon fibers
- No ridges, unlike twisted thread surface
- Unique *nymo* technology and coloration process
- The complete thread “system” for multidirectional sewing

Benefit

- Ideal for high-speed multidirectional sewing
- Excellent sewing on twin-needle machines
- Low profile stitches and 6 - 11% lower thread usage per stitch
- More resistance to external abrasion
- Fine needle sizes can be used to improve seam appearance and also to prevent cutting of fine leathers
- Reduces seam pucker around stitch corners
- Reflects “ordered” light, so colors blend better
- Less wear and tear of sewing machine parts
- Supple, bonded thread for fine denier sewing
- A well balanced combination of special needle threads and downsized bobbins in graded length pack outs for optimum productivity and high-quality sewing

Technical Data – COATS *nymo*

Brand	System Size	Tex (Needle)	Needle Thread Average Strength (Lbs)	Needle Thread Approx Yield (Yds/Lb)
nymo quilt superlube	A	21	3.8	14,680
nymo	OOO	10	1.3	38,000
	OO	14	2	27,000
	O	24	3.8	16,000
	B	30*	4.5	13,500
	D	45	8.5	8,400
	F	70	12	5,600
	FF	90*	15	4,300
	N125	105	19.5	3,600
	N160	135	26	3,000
	N200	180	32	2,300
N275	210	37	1,800	
N350	350	56	1,200	
N450	400	78	1,000	
nymo-ex	5X	45	8.5	8,400
	5*	35*	—	—
	8	50	9.3	7,400
	8+	50*	—	—
	8X	70	12	5,600

* Indicates downsized bobbin tex sizes.
Nymo Quilt Superlube = Single needle comforter quilting Size A.
Nymo Ex system: Upholstered furniture; size range 5 to 8X.
Nymo UVR system: UV-inhibitor product for specific outdoor applications.
 No bobbin downsizing.
Nymo sizes FF and above rarely used except N160 and N350 for golf bags.

Special COATS *nymo* pack outs:

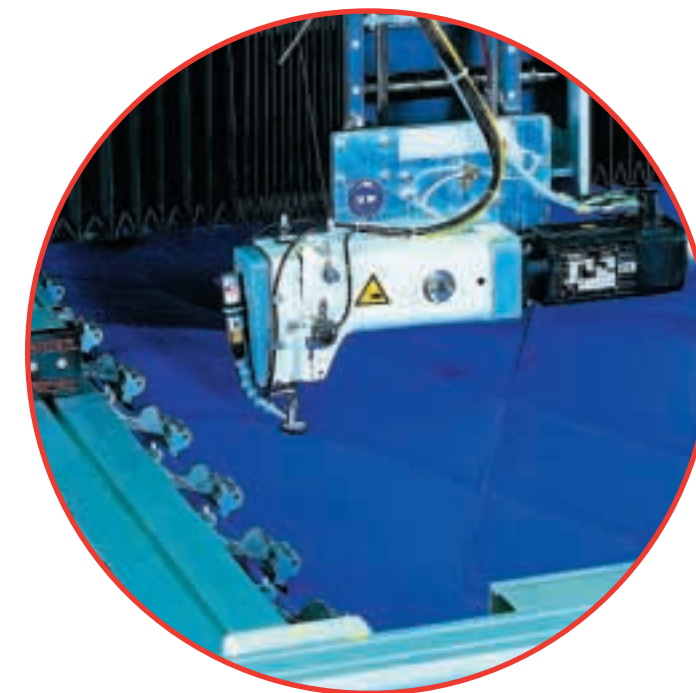
Thread	White	Colors	Sand/Ash
nymo QSL A	9000 yd	7500 yd	
	18000 yd		
nymo-ex 5X	8000 yd	7100 yd	7500 yd
nymo-ex 8X	5000 yd	4400 yd	4700 yd
	10200 yd		9600 yd

Special lube finishes and “Fireguard” fire-retardant finishes available.



Thread Applications by Size

OO,O	A	B to F	5, 5X, 8, 8+, 8X	FF, N160, N350
Bobbins				
Blind stitch felling (OO)	Single needle comforter quilting	Shoe uppers (D)	Upholstered furniture	Premium golf bags
Beading (O)		Leather goods		Footwear
Light apparel				



Chemical Properties

- Melting point 485°F (250°C)
- Specific gravity 1.14
- Unaffected by mildew, rot and perspiration
- Good resistance to alkalis and weak acids
- Nylon is not bleach-resistant
- Moisture regain 4.5%

Colorfastness

COATS *nymo* uses a unique coloration process that retains the softness and strength of the original monocord filaments. Please contact Coats Technical Service for special colorfastness requirements.