

Master Thread Specifications



Champion Thread Company



Advancing the Common Thread

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Cotton ChampCore™	Tex Size	Construction	Single End Break (lbs)	Needle Size
<i>Pima Cotton Wrapped Polyester Corespun</i>	T-24	45/2	2.2	75 / 11
	T-30	36/2	3.5	80 / 12
	T-40	29/2	4.5	90 / 14
	T-50	21/2	6.3	100 / 16
	T-60	19/2	6.5	110 / 18
	T-80	21/3	9.5	120 / 19
	T-120	16/3	11.8	130 / 21

Poly ChampCore™	Tex Size	Construction	Single End Break (lbs)	Needle Size
<i>Polyester Wrapped Polyester Corespun</i>	T-18	59/2	2.3	65 / 9
	T-24	45/2	3.4	75 / 11
	T-30	36/2	3.9	80 / 12
	T-40	29/2	5.0	90 / 14
	T-50	21/2	7.1	100 / 16
	T-60	29/3	7.6	110 / 18
	T-70	18/2	8.1	110 / 18
	T-80	16/2	8.9	120 / 19
	T-105	18/3	12.3	125 / 20
	T-120	16/3	12.9	130 / 21

ChampSpun™	Tex Size	Construction	Single End Break (lbs)	Needle Size
<i>High Tenacity Spun Polyester</i>	T-16	70/2	1.3	65 / 9
<i>*Flame Retardant Finish Available</i>	T-18	60/2	1.5	70 / 10
	T-21	53/2	1.7	70 / 10
	T-27	42/2	2.3	75 / 11
	T-30	53/3	2.8	80 / 12
	T-40	30/2	3.3	90 / 14
	T-45	42/3	3.7	90 / 14
	T-50	24/2	4.3	100 / 16
	T-60	30/3	5.2	110 / 18
	T-70	18/2	5.9	110 / 18
	T-70	24/3	6.7	110 / 18
	T-105	18/3	9.0	120 / 20
	T-135	12/3	14.2	140 / 22
	T-180	12/4	17.4	180 / 24
	T-240	12/5	23.0	200 / 25



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ChampCot Plus™	Tex Size	Construction	Single End Break (lbs)	Needle Size
100% Egyptian Long Staple Pima Cotton	T-21	52/2	1.4	70/10
Gassed & Mercerized	T-30	40/2	2.1	80/12
	T-60	30/3	4.1	110/18
	T-80	24/3	4.9	120/19

ChampLock™	Tex Size	Construction	Single End Break (lbs)	Needle Size
Locked Filament Polyester	T-40	-	5.1	110/16
	T-60	-	7.2	110 / 18
	T-90	-	9.4	120 / 20

AeroTex Plus™	Tex Size	Construction	Single End Break (lbs)	Needle Size
Textured Polyester	T-18	150d x 1	1.6	60 / 8
	T-24	200d x 1	2.1	65 / 9
	T-35	150d x 2	3.3	75 / 10
	T-50	150d x 3	5.1	90 / 14
	T-70	300d x 2	6.0	110 / 18
	T-105	300d x 3	8.9	140 / 22

ChampTex Plus™	Tex Size	Construction	Single End Break (lbs)	Needle Size
Textured Nylon	T-16	70d x 2	1.6	65/9
	T-24	100d x 2	2.2	70/10
	T-30	70d x 3	3.2	75/11
	T-50	100d x 4	4.4	90/14
	T-70	100d x 6	5.7	100/16

ChampSecure™ with Nomex®	Tex Size	Construction	Single End Break (lbs)	Needle Size
Spun Meta-Aramid	T-27	44/2	1.6	75/11
	T-40	45/3	2.6	90/14
	T-60	30/3	3.9	100/16
	T-80	30/4	5.3	110/18
	T-90	24/4	6.5	125/20

ChampShield™ w/Kevlar®	Tex Size	Construction	Single End Break (lbs)	Needle Size
Spun Para-Aramid	T-40	30/2	6.3	100/16
	T-60	30/3	10.3	110/18
	T-80	30/4	14.0	110/18
	T-90	30/5	18.1	125/20
	T-105	19/4	21.8	130/21



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ChampFil Nylon™	Tex Size	Construction	Single End Break (lbs)	Needle Size
<i>Continuous Filament Twisted Nylon</i>	T-14	60d X 2	1.7	55/7
<i>*Available in Soft or Bonded Finish</i>	T-16	70d X 2	2.2	65/7
	T-21	70d X 3	3.4	70/10
	T-45	210d X 2	7.4	90/14
	T-70	210d X 3	11.3	110/18
	T-90	210d X 4	15.2	125/20
	T-135	420d X 3	23.4	140/22
	T-210	630d X 3	34.8	160/24
	T-270	840d X 3	48.0	180/25
	T-350	840d X 4	53.0	230/26
	T-400	1260d X 3	75.0	250/27
	T-600	1680d X 3	95.5	280/28

ChampFil Polyester™	Tex Size	Construction	Single End Break (lbs)	Needle Size
<i>Continuous Filament Twisted Polyester</i>	T-16	67d X 2	2.0	65 / 9
<i>*Available in Soft or Bonded Finish</i>	T-21	67d X 3	3.4	65 / 9
	T-35	110d X 3	5.2	80 / 12
	T-45	220d X 2	7.0	90 / 14
	T-50	150d X 3	6.0	90/14
	T-70	220d X 3	10.5	100 / 16
	T-90	220d X 4	13.3	120 / 20
	T-135	420d X 3	21.5	140 / 22
	T-210	630d X 3	31.0	160 / 23
	T-270	840d X 3	41.0	180 / 24
	T-350	1000d X 3	56.5	230 / 26
	T-400	1300d X 3	66.0	250 / 27
	T-600	1300d X 4	88.0	280 / 28