



WORKWEAR & UNIFORMS THREAD RECOMMENDATIONS

TECHNICAL BULLETIN

<u>WORKWEAR & UNIFORMS</u>	FABRIC WGT / DETAILS	BEST should be used where there are special requirements where quality seaming is a MUST.	BETTER should be used where there are special requirements similar to BEST but where thread Price is also a Major Consideration.	GOOD should be used where Price is the Major Consideration for Lower Price Point Items
Work Shirts, Smocks, Lab Coats	Light Weight	Topstitching & Mainseams: T-24 Perma Core® Overedge: T-24 Perm Core® Buttonsew: T-40-Perma Core® Reactive Buttonhole: T-24 or T-40 Perma Core®	Topstitching & Mainseams: T-24 Perma Core® Overedge: T-27 Spun Poly (Perma Spun® or Excell®) BS or Buttonhole: T-24 or T-40 Perma Core®	Topstitching & Mainseams: T-27 Spun Poly (Perma Spun® or Excell®) Overedge: T-27 Spun Poly BS or Buttonhole: T-27 or T-40 Spun Poly
	Medium Weight	Topstitching & Mainseams: T-30 Perma Core® Overedge: T-30 or T-40 Perma Core® Buttonsew: T-40-Perma Core® Reactive Buttonhole: T-30 or T-40 Perma Core®	Topstitching & Mainseams: T-30 Perma Core® Overedge: T-40 Spun Poly (Perma Spun® or Excell®) BS or Buttonhole: T-30 or T-40 Perma Core®	Topstitching & Mainseams: T-40 Spun Poly (Perma Spun® or Excell®) Overedge: T-27 Spun Poly Poly BS or Buttonhole: T-40 Spun Poly
Work Pants	Medium Weight	Topstitching & Mainseams: T-40 & T-60 Perma Core® Overedge: T-40 Perma Core® Buttonsew: T-40-Perma Core® Reactive Buttonhole: T-40 Perma Core®	Topstitching & Mainseams: T-40 & T-60 Perma Core® Overedge: T-40 Perma Core® Buttonsew: T-40-Perma Core® Reactive Buttonhole: T-40 Perma Core®	Topstitching & Mainseams: T-60 Spun Poly (Perma Spun® or Excell®) Overedge: T-40 Spun Poly Buttonsew / Buttonhole: T-40 or T-60 Spun Poly
Coveralls	Light to Medium Weight	Topstitching & Mainseams: T-30, T-40 Perma Core® Loopers & Serging: T-30, T-40 Perma Core® Buttonsew: T-40-Perma Core® Reactive	Topstitching & Mainseams: T-30, T-40 Perma Core® Loopers & Serging: T-40 Spun Poly (Perma Spun® or Excell®) Buttonsew: T-40-Perma Core® Reactive	Topstitching & Mainseams: 40 Spun Poly (Perma Spun® or Excell®) Loopers & Serging: T-27, T-40 Spun Poly (Perma Spun® or Excell®) Buttonsew: T-40 Spun Poly
	Med. to Heavy Weight	Topstitching & Mainseams: T-60, T-80 Core (Perma Core® or D-Core®*); Loopers & Serging: T-60, T-40 Core (Perma Core® or D-Core®) Buttonsew: T-40-Perma Core® Reactive	Topstitching & Mainseams: T-60, T-80 Core (Perma Core® or D-Core®*); Loopers & Serging: T-60, T-40 Spun Poly (Perma Spun® or Excell®) Buttonsew: T-40-Perma Core® Reactive	Topstitching & Mainseams: T-60, T-90 Spun Poly (Perma Spun® or Excell®) Loopers & Serging: T-60, T-40 Spun Poly (Perma Spun® or Excell®) Buttonsew: T-60 Spun Poly
Overalls	Heavy Weight	Topstitching & Mainseams: T-60, T-80 Core (Perma Core® or D-Core®) Loopers & Serging: T-60, T-40 Core (Perma Core® or D-Core®)	Topstitching & Mainseams: T-60, T-80 Core (Perma Core® or D-Core®) Loopers & Serging: T-60, T-40 Spun Poly (Perma Spun® or Excell®)	Topstitching & Mainseams: T-60, T-90 Spun Poly (Perma Spun® or Excell®) Loopers & Serging: T-60, T-40 Spun Poly (Perma Spun® or Excell®)



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<u>PROTECTIVE CLOTHING</u>	FABRIC WGT / DETAILS	<u>BEST</u> should be used where there are special requirements where quality seaming is a MUST.	<u>BETTER</u> should be used where there are special requirements similar to BEST but where thread Price is also a Major Consideration.	<u>GOOD</u> should be used where Price is the Major Consideration for Lower Price Point Items
Shirts, Jackets	Medium Weight	Topstitching & Mainseams: T-40 Nomex® Loopers & Serging: T-24 Nomex® Embroidery: T-27 Super Safe		
Pants, Overalls	Heavy Weight	Topstitching & Mainseams: T-60, T-80 Nomex® Loopers & Serging: T-60, 40 Nomex® Embroidery: T-27 Super Safe		
Coveralls, Coats	Heavy	Topstitching & Mainseams: T-60, T-80 Nomex® Loopers & Serging: T-60, 40 Nomex® Straps & Harness: T-60, T-90 Kevlar® Embroidery: T-27 Super Safe		

<u>A&E Brand Names</u>	<u>Generic Thread Type</u>	<u>Description</u>	<u>Workwear Application</u>
<i>D-Core®</i>	Cotton Wrapped Poly Core	T-24 up to 80 – for extra needle heat resistance or wash-down look	Where needle heat may be an issue
<i>Excell®</i>	Spun Polyester	T-16 up to T-90 – A&E Americas Spun Polyester Brand for CAFTA & NAFTA	Less expensive looper or serging thread
<i>Kevlar®</i>	Spun Kevlar®	T-40, T-60, T-80, T-90, T-105 – very strong and heat resistant	For Protective Workwear or Uniforms
<i>Nomex®</i>	Spun Nomex®	T-27, T-40, T-60, T-80, T-90– very heat resistant	For Protective Workwear or Uniforms
<i>Perma Core®</i>	Poly Wrapped Poly Core	T-18 up to T-80	Very resistant to chemicals and has good color fastness
<i>Perma Core® REACTIVE</i>	Poly Wrapped Poly Core	T-16 up to T-80 – heat activated finish preventing thread from unraveling	For buttonsew with Single Thread Buttonsewer
<i>Perma Core® Ultimate</i>	Poly Wrapped Poly Core	T-16, T-18, T-24 - For minimizing seam puckering	For Shirts, Smocks, etc. to minimize seaming puckering
<i>Perma Spun®</i>	Spun Polyester	T-16 up to T-270 – A&E Global Spun Polyester Brand	Less expensive looper or serging thread
<i>Wildcat Plus®</i>	Textured Polyester	T-18 up to T-35	Least expensive looper or serging thread