



**Specialised
Fabric
Solutions**

**PRODUCT
CATALOGUE
2023**

—

**SEWING
THREAD**

QCD LIMITED

Specialised Fabric Solutions

Nature is demanding, so we demand a lot from our textiles.

Whether providing much-needed shade for a sun-baked terrace or sailing a yacht around the world, you need to know your fabric systems are up to the challenge. QCD has been supplying customers in the commercial, residential and marine markets for over 60 years. With a huge range of specialised textiles and hardware sourced from around the world, our team can help you specify and deliver a solution that works.

The wind, UV rays and ocean spray can do their worst. Relax, because you're covered.

TO PLACE AN ORDER OR FOR
PRODUCT ENQUIRIES

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SEWING THREAD

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SEWING THREAD

A great deal of thought and effort is required to make a good quality, consistent thread. Consider the demands placed on this product. Thread is expected to be consistent to the point that the tensions on a machine only need to be set once, for any batch. A thread's colour needs to match from one batch to the next. When going through the needle cycle in an industrial machine the thread is accelerated to over 240 kph in two opposite directions in each stitch. The needle heats up to an amazing degree, enough to fuse certain threads. This is all repeated endlessly while sewing and the threads work through this to produce a flat, strong even seam when properly tensioned and matched to the machine and fabric being sewn.

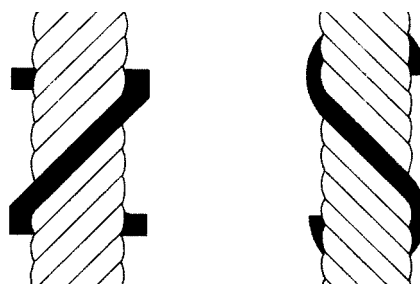
Threads are produced from either natural or synthetic materials, or a mixture of natural and synthetic. Cotton is the most commonly used natural material. Speciality threads made of silk or linen (flax) are available but they are expensive and can be replaced by stronger and more suitable synthetics.

Cotton threads are either soft, glazed or mercerized. Soft cotton threads receive no special treatment other than bleaching or dyeing and the application of a uniform low friction lubricant. Glacé or glazed cottons are produced from soft cottons that are consolidated then protected by the application of a special surface coating of a starch or similar synthetic formulation which is then brushed as it dries. Mercerized threads are treated under tension in a solution of caustic soda which causes the fibres to swell and become rounder in cross section. This process enhances the lustre of the thread and marginally increases strength of the fibres, as well as improving the ability to absorb colours.

Generally, synthetic threads are produced from polyester or polyamide (nylon) fibres or filaments, either on their own or in combination with cotton, rayon or polyester fibres.

All threads begin as a simple yarn. These basic yarns are manufactured by twisting together short fibres or fine continuous filaments. The thread is constructed by combining individual twisted yarns. The yarns are then twisted together to prevent the individual yarns from separating during sewing. The twist is defined as the number of turns inserted per centimetre of yarn or thread produced. Twist can be inserted in either direction and is an important property of the thread (see diagram). A clockwise twist produces a Z twist which is also known as a left twist,

and an anti clockwise produces an S twist or right twist. Most machines impart a bit of Z twist to the thread as it goes through, and with S twist thread this would unravel the thread and cause separation and breakage; therefore most thread is given some Z twist, and with the twist imparted by the action of the machine it reaches its equilibrium at the point of sewing. Almost all modern sewing machines require a Z twist thread.



CLOCKWISE PRODUCES A LEFT OR 'Z' TWIST

COUNTER-CLOCKWISE PRODUCES A RIGHT OR 'S' TWIST

(STANDARD TYPE THREAD)

SYNTHETIC – (Nylon and Polyester - Anafil™) is generally processed to take wet washings at temperatures up to 100 °C or dry cleaning temperatures up to 150 °C without shrinkage. Softening of these fibres begins at about 230 °C and melting begins to occur at about 260 °C. Synthetic threads are not significantly affected by moisture, rot, mildew, insects or bacteria. Both nylon and polyester threads have exceptionally high tenacity (especially in continuous filament form) and also have high resistance to abrasion. Both possess good resistance to chemicals in general: nylon being more suitable where alkaline conditions apply while polyester is recommended for resistance to acids and ultra violet (UV) radiation.

CORESPUN THREADS – (Parkgate) use a strong polyester core with a cotton or spun polyester outer wrap and receive the benefits of both worlds. The fibre wrap over the continuous filament core gives these threads a superior all round performance. The thread lubricant is carried well by the surface fibres and combined with the effects of air carried to the needle during sewing results in good performance. These threads are designed to maintain good loop formation even in multi directional sewing.



SUNSTOP® ADVANCED UV BONDED POLYESTER

AMERICAN & EFIRD



CODE	TEX SIZE	CONE SIZE		NEEDLE SIZE		BREAKING STRAIN	LENGTH PER CONE	BOX QTY CONES
		METRIC	OZ/CONE	METRIC	KG		M	
SUN207	210	M13	16	180/24	14		1,800	10
SUN138	135	M20	8	140/22	9		1,500	10
SUN92	90	M30	8	125/20	6		2,200	10

Sunstop® Bonded Polyester is a high performance multifilament polyester sewing thread. Offering advanced ultra-violet light protection, Sunstop® is ideal for outdoor applications where seam strength retention and fade prevention during UV exposure are required. Sunstop® thread provides advanced UV protection, reducing strength degradation over traditional filament polyesters and colour loss through fading. This product is also available in non-wick to help diminish moisture migration through the seams.

PRODUCT FEATURES

- Consistency in diameter & physical characteristics
 - Anti Wick, low moisture retention – no mildew
 - High seam strength
- High chemical and abrasion resistance
 - Improved ultraviolet (UV) light resistance
 - Very good sewability

SUNSTOP® UV 92 (TEX90), 138 (TEX135)



UV WHITE
SUN92W
SUN138W



UV NATURAL
SUN92NAT
SUN138NAT



UV SILVER
SUN92SIL
SUN138SIL



UV LINEN
SUN92LIN
SUN138LIN



UV DARK SILVER
SUN92DKSIL
SUN138DKSIL



UV CADET GREY
SUN92CG
SUN138CG



UV TOAST
SUN92T
SUN138T



UV BEIGE
SUN92BE
SUN138BE



UV TRUE BROWN
SUN92TB
SUN138TB



UV LOGO RED
SUN92LR
SUN138LR



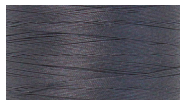
UV JOCKEY RED
SUN92JR
SUN138JR



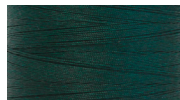
UV BURGUNDY
SUN92BUR
SUN92BUR



UV PACIFIC BLUE
SUN92PB
SUN138PB



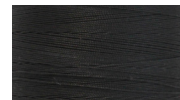
UV NAVY
SUN92N
SUN138N



UV FOREST GREEN
SUN92FG
SUN138FG



UV CAPTAIN NAVY
SUN92CN
SUN138CN



UV SOL JET BLACK
SUN92B
SUN138B

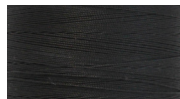
SUNSTOP® UV 207 (TEX210)



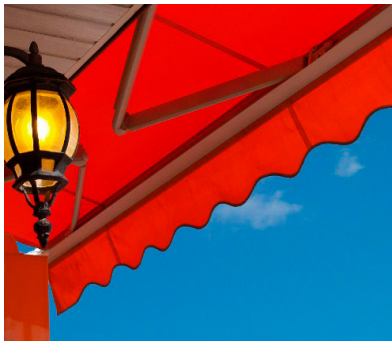
UV WHITE
SUN207W



UV CADET GREY
SUN207CG



UV SOL JET BLACK
SUN207B



Please Note

UV – Although Anafil™ and Sunstop® Bonded Polyester threads have good UV resistance, they are not immune to ultra violet ("UV") degradation and they may deteriorate from continuous or prolonged exposure to the elements, temperature extremes or chemicals. If the thread is intended to be used for sewing shade sails, QCD recommends using at least Size 210 thread, as any smaller or thinner thread is neither strong enough nor resistant enough for that use. Anafil™ and Sunstop® Bonded Polyester thread do not come with any express manufacturer's warranty.

PIGMENT MIGRATION – It is occasionally possible for fabrics to be sewn to contain agents which encourage pigment migration from coloured threads and we recommend that the following be carried out before use. Take a small coil of thread intended for use and put it between two pieces of damp fabric to be sewn. Place a 5kg weight on top and leave for 24 hours after which check if any pigment migration has occurred.

Do not use if there is any doubt concerning pigment migration.

ANEFIL POLY® BONDED POLYESTER

AMERICAN & EFIRD

CODE	TEX SIZE	CONE SIZE METRIC	NEEDLE SIZE LIGHT FABRIC/ HEAVY FABRIC	BREAKING STRAIN KG	APPROX LENGTH PER CONE M	BOX QTY CONES
			METRIC			
T350	350	M8	230/26	24	1,050	10
T270	270	M10	200/25	18	1,250	10
T210	210	M15	180/24	14	1,800	10
T135	135	M20	140/22	9	3,000	10
T90	90	M30	125/20	6	4,400	10
T70	70	M40	110/18	5	5,200	10
T45	45	M60	100/16	3	7,500	10
T35	35	M80	80/12	2.32	>7,500	10
T30	30	M90	80/12	1.68	>7,500	10

Anefil Poly® is produced from twisted continuous multi-filament Polyester yarn. The thread goes through a specially formulated bonding process which ensures that the twist piles remain together even during multi-directional sewing operations. Anefil Poly® Bonded Polyester is ideal for jobs that require strength and colour retention when the thread is exposed to UV sunlight radiation and acidic materials (e.g., salt water, diesel etc).

PRODUCT FEATURES

- High resistance to UV light, chemicals and abrasions
- High seam strength
- Excellent sewability
- Consistency in diameter and physical characteristics
- Low moisture retention - not subject to mildew
- Solution dyed for excellent colour fastness
- Pressure dyed available - black only, in T70, T90, T135, T210

ANEFIL™ 30

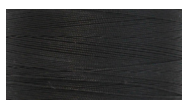


WHITE
T30W

ANEFIL™ 35, 45, 70



WHITE
T35W
T45W
T70W



BLACK
T35B
T45B
T70B



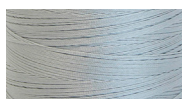
ANEFIL™ 90



WHITE
T90W



PEBBLE BEIGE
T90PBEI



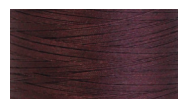
SILVER
T90SIL



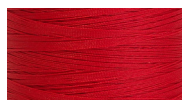
DARK SILVER
T90DS



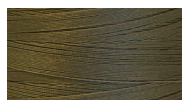
FORSYTHIA
T90FOR



RUBY TONE
T90RT



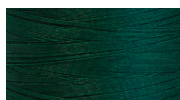
SCARLET
T90SCA



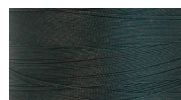
BEAVER
T90BEA



ASHES DRAB
T90DRA



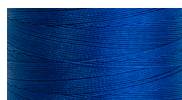
ALFALFA
T90ALF



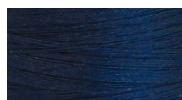
FOREST GREEN
T90FG



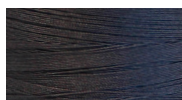
PACIFIC BLUE
T90PB



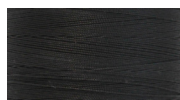
WEDGEWOOD
T90WED



NAVY
T90NAVY



NEW GREY
T90NG



BLACK
T90B

ANEFIL™ 135



WHITE
T135W



NATURAL
T135NAT



PEBBLE BEIGE
T135PBEI



SILVER
T135SIL



DARK SILVER
T135DS



SMOKE GREY
T135G



FORSYTHIA
T135FOR



BEAVER
T135BEA



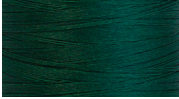
SCARLET
T135SCA



ASHES DRAB
T135DRA



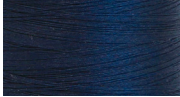
ARMY GREEN
T135ARMYGRN



ALFALFA
T135ALF



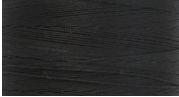
WEDGEWOOD
T135WED



NAVY
T135NAVY



NEW GREY
T135NG



BLACK
T135B

ANEFIL™ 210



WHITE
T210W



FORSYTHIA
T210FOR



SCARLET
T210SCA



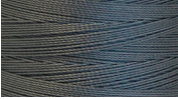
WEDGEWOOD
T210WED



ROYAL BLUE
T210RB



BLACK
T210B



STEEL
T210STE

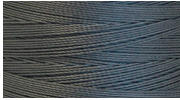


WALNUT
T210WAL

ANEFIL™ 270



WHITE
T270W



STEEL
T270STE



MAHOGANY
T270MAH



BLACK
T270B



ANEFIL™ 350



WHITE
T350W



BLACK
T350B



ANepro®

AMERICAN & EFIRD

CODE	SIZE		STRENGTH		RECOMMENDED NEEDLE SIZE
	TEX	METRIC	LBS	KGS	
AAEANepro27	27	120	1.62	0.74	75 11
AAEANepro40	40	75	2.57	1.17	90 14
AAEANepro60	60	50	3.9	1.77	110 18

Anepro® is ideal for seaming in protective clothing and designed to deliver resistance to long or short term heat or flame exposure while providing great seam integrity. Unaffected by age it delivers excellent abrasion and mildew resistance, making Anepro® an ideal choice for protective and combat products. This meta-aramid sewing thread displays good chemical resistance when laundering and resists most organic solvents.

PRODUCT FEATURES

- Protective apparel
 - Specialty industry
 - Workwear
- Motor racing industry
 - Filtration



BLACK
AAEANepro27B
AAEANepro40B
AAEANepro60B



ORANGE
AAEANepro60ORANGE

ANefil™ USING KEVLAR®

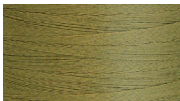
AMERICAN & EFIRD

CODE	SIZE		STRENGTH		RECOMMENDED NEEDLE SIZE
	TEX	METRIC	LBS	KGS	
AAEKEVSS3PLYNAT	90	30	27.4	12.43	140 22
AAEKEVSPUN50	60	50	31	14.09	110 18

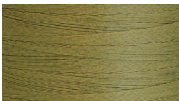
Anefil™ using Kevlar® is a twisted multi-filament sewing thread manufactured with 100% certified DuPont Kevlar®, para-aramid filament. Anefil™ using Kevlar® delivers best in class seam performance providing tremendous tensile strength, superior ply security, seam integrity, abrasion resistance, cut protection, and short term heat resistance. Certified A&E sewing threads for use in protective products have been reviewed under current guidelines and approved by UL standards for use in protective products.

HIGHLIGHTED USES

- Engineered to withstand temperatures up to 449°C and provides superior short-term heat resistance
 - Provides excellent loop formation, minimizing skips, thread breaks and seam grinning due to low elongation
- Delivers superior strength over traditional staple spun, meta-aramid threads, allowing for fewer costly thread breaks and seam failures



NATURAL
AAEKEVSPUN50



NATURAL
AAEKEVSS3PLYNAT

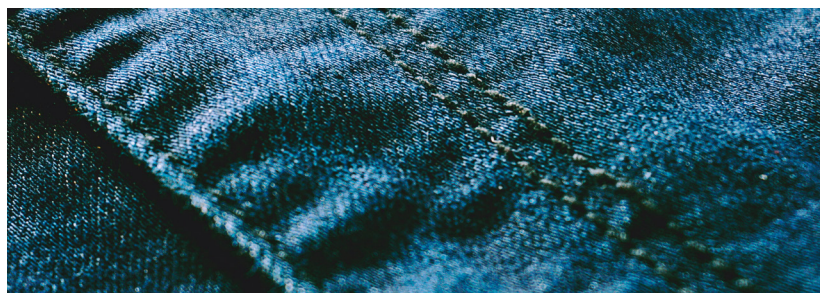


D-CORE®

AMERICAN & EFIRD

CODE	SIZE	SIZE	YARN SIZE	AVERAGE STRENGTH		BOX QTY
	TEX	METRIC		GRAMS	NEEDLE SIZE	
AAEDCORE60B	60	50	18/2	7.1	110	10
AAEDCORE80B	80	36	15/2	7.6	120	10
AAEDCORE105B	105	27	12/2	8.0	125	10

Engineered for its colour to fade down with the garment after finishing, A&E's D-Core® is a premium core spun sewing thread constructed with a continuous filament polyester core and cotton staple wrap. D-Core® allows for the use of smaller thread sizes to minimize puckering or needle cutting, while it's thread construction provides higher strength over traditional, staple spun products. When sewing, this thread allows for the use of smaller thread sizes to minimize puckering or needle cutting, while it's thread construction provides higher strength over traditional, staple spun products.



BLACK
AAEDCORE60B
AAEDCORE80B
AAEDCORE105B

PRODUCT FEATURES

- Excellent sewability on manual and automatic multi-directional sewing machines
- Good seam strength and abrasion resistance
- Can provide a washed down appearance

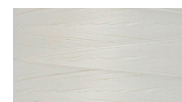


WILDCAT®

AMERICAN & EFIRD

CODE	SIZE	SIZE	STRENGTH		RECOMMENDED	BOX QTY
	TEX	METRIC	LBS.	KGS.	NEEDLE SIZE	
AAEWILDCAT35W	35	80	3.28	1.49	80/12	10

A&E's high-performance textured polyester sewing thread, Wildcat®, is ideal for seaming and serging knit and woven fabrics. This sewing thread provides superior seam elasticity, softness, and seam strength delivering across the board performance and longer lasting seams. Wildcat® is even used in overedging of fashion apparel.



WHITE
AAEWILDCAT35W

PRODUCT FEATURES

- Delivers superior elasticity and seam strength for a great all-around performance and longer lasting seams
- Engineered with incredibly soft, textured polyester and ideal for next-to-skin applications
- Partially translucent, this thread naturally blends with many different shades, providing good colorfastness. It is durable in laundering with good chemical resistance

ANEFIL NYLON® HIGH TENACITY

AMERICAN & EFIRD

CODE	SIZE	SIZE	STRENGTH		RECOMMENDED	APPROX LENGTH
	TEX	METRIC	LBS.	KGS.	NEEDLE SIZE	PER CONE
AAENYL45	45	60	7.40	3.36	90/14	4500M
AAENYLAUTO45	45	60	7.40	3.36	90/14	8600M
AAENYL45FY0019	45	60	7.40	3.36	90/14	4500M
AAENYL45GRYFW333	45	60	7.40	3.36	90/14	4500M
AAENYL70	70	40	11.31	5.14	110/18	3000M
AAENYLAUTO70	70	40	11.31	5.14	110/18	5700M
ANENY210	210	15	34.80	15.82	180/24	1900M
ANENY270	270	10	49.07	22.3	200/25	1280M

Anefil Nylon® High Tenacity is a twisted multifilament, nylon sewing thread ideal for sewing a wide range of products. Anefil Nylon® provides good abrasion resistance and excellent seam strength. This sewing thread's twisted multifilament construction displays superior sewability.



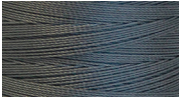
WHITE
AAENYL45W
AAENYLAUTO45W
AAENYLAUTO70W
ANENY210W
ANENY270W



BLACK
AAENYL45B
AAENYLAUTO45B
AAENYL70B
AAENYLAUTO70B
ANENY210B
ANENY270B



FLUORO YELLOW
AAENYL45FY0019



GREY
AAENYL45GRYFW333

HIGHLIGHTED USES

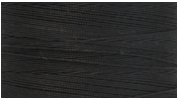
- Automotive
- Furniture

ANEFIL PERMA CORE®

AMERICAN & EFIRD

CODE	SIZE	SIZE	STRENGTH		RECOMMENDED	BOX QTY
	TEX	METRIC	LBS.	KGS.	NEEDLE SIZE	CONES
AAPER60B	60	50	6.69	3.04	100/16	10

Perma Core® is A&E's signature core spun sewing thread, manufactured with a continuous filament polyester core and polyester staple wrap, ideal for use in most sewing applications. It's core spun construction delivers a thread with a higher strength and sewing performance over staple spun products, allowing for the use of smaller thread sizes. Heavily utilised as an all-around industrial thread, Perma Core® maximises seam quality while minimising sewing problems.



BLACK
AAPER60B

HIGHLIGHTED USES

- Great seam integrity, while providing good seam strength and abrasion resistance
- Engineered for an excellent sewing performance on manual and automatic multi directional sewing machines
- Delivers great seam integrity with good seam strength and abrasion resistance
- Durable in laundering, this thread provides very good colourfastness with good chemical resistance



SOLARFIX® PTFE SEWING THREAD

AYTECH

CODE	DTEX SIZE	DENIER	APPROX. SIZE**	APPROX. YIELD**	APPROX. BREAK STRENGTH**	NEEDLE SIZE	BOX QTY CONES
SOLARFIX1500	1500	1360				#16-20	6
SOLARFIX2200	2200	2000				#18-20	6
SOLARFIX2640	2640	2400				#18-22	6
SOLARFIX3000	3000	2700				#18-22	6
SOLARFIX3300	3300	3000				#20-22	6



CLEAR
SOLARFIX1500TR
SOLARFIX2200TR
SOLARFIX2640TR
SOLARFIX3000TR
SOLARFIX3300TR



BLACK
SOLARFIX1500BK
SOLARFIX2200BK
SOLARFIX2640BK
SOLARFIX3000BK
SOLARFIX3300BK

SolarFix® is a cost effective UV resistant thread, due to it's round profile it has superior sewability to other brands of similar thread. SolarFix® PTFE thread will not lose any significant strength due to UV or chemical exposure, unlike conventional polyester, nylon and cotton threads.

*Other colours available on request

**Technical Specifications available on request

PRODUCT FEATURES

- Made of 100% PolyTetraFlouroEthylene fibre
- The best thread choice for all marine and outdoor applications

PARKGATE POLYESTER/COTTON GLACÉ

CODE	TEX SIZE	METRIC SIZE	NEEDLE SIZE METRIC	NEEDLE SIZE SINGER	STRENGTH	ELONGATION MIN-MAX	BOX SIZE	SPOOL SIZE
PARKGATEM12	210	12	180	24	10KG	21-30	10	2500M
PARKGATEM20	150	20	160	23	7KG	16-24	10	2000M
PARKGATEM25	105	25	140	22	5KG	16-24	10	2500M
PARKGATEM36	80	36	120	19	3KG	16-24	10	4000M

This multi-purpose sewing thread, made of a high tenacity polyester core with a cotton cover combines high tenacity seam strength with a higher resistance to severe abrasion. Parkgate is produced in a wide range of thread sizes and is an environmentally friendly product compliant to standard 100 by Oeko-Tex.

PRODUCT FEATURES

- Indoor/outdoor use, Oeko-Tex standard 100
- Satin glacé finish
- Corespun polyester cotton fibre

PARKGATE METRIC 12, 20, 25, 36



NATURAL

PARKGATEM12-NAT
PARKGATEM20-NAT
PARKGATEM25-NAT
PARKGATEM36-NAT



BLACK

PARKGATEM12-BK
PARKGATEM20-BK
PARKGATEM25-BK
PARKGATEM36-BK



WHITE

PARKGATEM12-WH
PARKGATEM20-WH
PARKGATEM25-WH
PARKGATEM36-WH



LOOPER & NEEDLE BEDDING THREAD

INTERQUILT

CODE	DTEX SIZE	TEX SIZE	METRIC SIZE	DENIER	TENSILE STRENGTH (L 500MM, S 500 PRETENTION 17 CN)	ELONGATION AT MIN-MAX BREAK	BOX SIZE	SPOOL SIZE
INTERLOOPER30W	378.06	30	80	340.26	1410 CN	21-27	24	20,000M
INTERNEEDLE50		50	70					

Interquilt bedding thread has a wide range of usage areas. It has advanced softness and seam coverage by the textured filaments. It is preferred as a looper thread in bed and quilting manufacturing. It gives perfect results for the usage in the loopers of overlocking.



WHITE
INTERLOOPER30W
INTERNEEDLE50

WAXED LACING TAPE

HEMINWAY & BARTLETT

CODE	WIDTH MM	METRES PER SPOOL
HEW351	1.6	457
HEW352	3.2	457

A narrow nylon tape treated with penetrating wax.
Flat braided to lie flatter than normal.



WHITE
HEW351
HEW352



BLACK
HEW352BK

PRE-WAXED HAND SEWING THREAD

HEMINWAY & BARTLETT

CODE	CONE SIZE	WEIGHT
HEW346	V346	450
HEW462	V462M	450
HEW499	V9C	450

Supplied on spools.
Available only in white.



WHITE
HEW346
HEW462
HEW499



WAXED SAILTWINE BOBBINS

HEMINWAY & BARTLETT

CODE	BOBBIN SIZE	METRES PER BOBBIN	PACK QTY
HEW500	V6M	24	12

Pre-waxed thread equivalent to EW499 wound into bobbins.
Ideal for sail repair kits.



WHITE
HEW500



MACHINE NEEDLES

NEEDLE SELECTION CHART

SEWING MACHINE	NEEDLE SYSTEM	SEWING MACHINE	NEEDLE SYSTEM
ADLER 67	134	SINGER 107	135 x 7
ADLER 98-2	134-35	SINGER 111W100	135 x 7
ADLER 166-1	328	SINGER 111W112	135 x 17
ADLER 167	134	SINGER 167	135 x 7
PFAFF 138, 238	134	SINGER 211G151	135 x 7
PFAFF 145	134	JUKI LU562	135 x 17
PFAFF 545	134	JUKI LH512	135 x 7
CONSEW 272	134	JUKI LU651	135 x 17
CONSEW 206RB	135 x 7	BERNINA 217-25	278WKH

Many other needle system styles are available. Please consult with your representative for precise sewing machine to needle compatibility.



SEWING MACHINE NEEDLES

GROZ-BECKERT

Groz-Beckert sewing machine needles represent a level of craftsmanship which few can equal. They have been designing and producing needles for over 130 years, and are known worldwide for producing extremely high precision needles.

Every single Groz-Beckert sewing machine needle is engineered for reliability, string polished with an eye matching thread and polishing compound to achieve a smooth thread protective surface.

NEEDLE SIZE	METRIC	80	90	100	110	120	130	140	160	180	200
	SINGER	12	14	16	18	19	21	22	23	24	25
THREAD SIZE	V-30	● — ●									
	V-46		● — ●								
	V-69			● — ●							
	V-92					● — ●					
	V-138					● — ●					
	V-207							● — ●			
	V-346									● — ●	

CODE	NEEDLE SYSTEM	NEEDLE SIZE
NN/30/0/140	328	140
NN/30/0/160		160
NN/30/0/180		180
NN/40/0/100	134	100
NN/40/0/110		110
NN/40/0/120		120
NN/40/0/125		125
NN/40/0/130		130
NN/42/0/110	135 x 7	110
NN/42/0/120		120
NN/42/0/125		125
NN/42/0/130		130
NN/42/0/140		140
NN/42/0/160	135 x 17	160
NN/44/0/110		110
NN/44/0/120		120
NN/44/0/130		130
NN/44/0/140		140

WALKING FOOT NEEDLES

GROZ-BECKERT

NEEDLE SYSTEM	POINT SHAPE	SIZE											
		70	80	90	100	110	120	125	130	140	150	160	180
GROZ BECKERT 134	REGULAR	•	•	•	•	•	•		•	•			•
	DIAMOND				•	•	•		•	•			
GROZ BECKERT 134-35	REGULAR					•	•		•	•			
	DIAMOND						•		•		•		
GROZ BECKERT 135 x 16	TRIANGLE							•					
GROZ BECKERT 135 x 17	REGULAR				•	•	•		•	•		•	•
GROZ BECKERT 16 x 231	REGULAR			•	•	•							

COMMON NEEDLE ISSUES

Needle Thread Breakage/Fraying

Usually caused by interference with the needle thread anywhere along the path the needle thread travels including the thread guides, needle, needle hole plate, presser foot, feed dog and looper. These areas must be free of burrs and sharp edges. Also caused by too tight tension and excessive needle heat.

Troubleshooting

- Check for correct needle size
- Try a larger size needle

Needle Breakage

Causes

- Too small a size needle being used to perform the seaming operation
- Incorrect needle being used in machine
- Machine interference - looper hitting needle, feed dog timing, too small a hole in throat plate

Skip Stitches

Means there's an inability to obtain proper formation of the needle thread loop or failure of the looper or hook to enter the thread loop at the proper time and place.

Causes

- Timing of looper or hook is incorrect
- Incorrect setting of the take up and pull off devices
- Loss of thread control (too large an eye in the needle, usually resulting from needle size being too large for thread being used)
- Needle vibration or staggering
- Incorrect hole size in throat plate
- Needle being deflected by resistance of material (multiplies of material, elastic inserts, etc)
- Needle crooked or bent

Troubleshooting

- Rotate needle slightly so it throws the needle thread loop into the looper
- Check machine setting and thread tension
- If possible, try larger size needle

NEEDLES

SAILMAKERS NEEDLES

WILLIAM SMITH



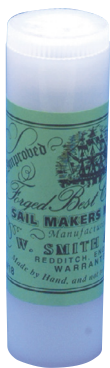
William Smith's best quality "Green Label" reduced edge.
Available only in full packs of 25

CODE	SIZE	LENGTH	DIAMETER
HC010	10	89 / 3.504	3.25 / 0.128
HC012	12	81 / 3.189	2.64 / 0.104
HC013	13	79 / 3.110	2.34 / 0.092
HC014	14	76 / 2.992	2.03 / 0.080
HC015	15	72 / 2.835	1.83 / 0.072
HC016	16	69 / 2.717	1.63 / 0.064
HC017	17	65 / 2.559	1.42 / 0.056
HC018	18	62 / 2.441	1.22 / 0.048

ASSORTED NEEDLES

WILLIAM SMITH

All needles are handmade and hand-polished for ease of use.
Tubes and packs contain assorted size needles.



CODE	DESCRIPTION
HC021	10 ASSORTED STRAIGHT NEEDLES IN TUBE
HC022	20 ASSORTED STRAIGHT NEEDLES IN TUBE

ALL PURPOSE HAND SEWING NEEDLES



CODE	DESCRIPTION
HC007	5 ASSORTED STRAIGHT NEEDLES
	2 ASSORTED CURVED NEEDLES

ACCESSORIES

SEWING PALM LIGHTWEIGHT

WILLIAM SMITH



LIGHTWEIGHT, NON-ADJUSTABLE
HC024



LIGHTWEIGHT, ADJUSTABLE
HC026

CODE	DESCRIPTION	STYLE	HAND
HC024	LIGHTWEIGHT, NON-ADJUSTABLE	3	RIGHT
HC025		3	LEFT
HC026	LIGHTWEIGHT, ADJUSTABLE	2 1/2	RIGHT
HC027		2 1/2	LEFT

SEWING PALM PROFESSIONAL

WILLIAM SMITH



GOOD QUALITY SEAMING
HC028



SUPER QUALITY SEAMING
HC032

CODE	DESCRIPTION	STYLE	HAND
HC028	GOOD QUALITY SEAMING	2	RIGHT
HC029		3	LEFT
HC032	SUPER QUALITY SEAMING	2 1/2	RIGHT
HC033		9	LEFT

SEWING AWL & ACCESSORIES

Awl is ideal for sewing and doing repairs on leather and canvas. Comes complete with two straight needles, waxed thread and combination wrench/screwdriver. Replacement thread sold on reels of 11.5m/12.5 yards each.



CODE	DESCRIPTION
HC910	AWL SET
HC9105	# 5 FINE STRAIGHT NEEDLE

OIL BOTTLE

Application bottle for sewing machine oil; has screw-on cap to prevent accidental spills when bottle is on its side.



CODE	DESCRIPTION
HC063	OIL BOTTLE

PUSH PINS



BLACK
HC903BK



HOT PINK
HC903FP



SILVER
HC903

CODE	DESCRIPTION	COLOUR	PIN LENGTH	PACK QTY
HC903BK	PLASTIC HEAD	BLACK	14 / 5/16	100
HC903FP	PLASTIC HEAD	HOT PINK	14 / 5/16	100
HC903	ALUMINUM HEAD	SILVER	16 / 5/8	100



TERMS & CONDITIONS

1. Definitions

- 1.1 "Seller" shall mean QCD Limited and its successors and assigns.
- 1.2 "Customer" shall mean the Customer or any person acting on behalf of and with the authority of the Customer.
- 1.3 "Guarantor" means that person (or persons), or entity that agrees herein to be liable for the debts of the Customer on a principal debtor basis.
- 1.4 "Goods" shall have the same meaning as in section 119 of the Contract and Commercial Law Act 2017 and are goods supplied by the Seller to the Customer (and where the context so permits shall include any supply of Services as hereinafter defined).
- 1.5 "Services" shall mean all services supplied by the Seller to the Customer and includes any advice or recommendations (and where the context so permits shall include any supply of Goods as defined above).
- 1.6 "Price" shall mean the cost of the Goods as agreed between the Seller and the Customer subject to clause 4 of this contract.

2. Acceptance

- 2.1 Any instructions received by the Seller from the Customer for the supply of Goods and/or the Customer's acceptance of Goods supplied by the Seller shall constitute acceptance of the terms and conditions contained herein.
- 2.2 Where more than one Customer has entered into this agreement, the Customers shall be jointly and severally liable for all payments of the Price.
- 2.3 Upon acceptance of these terms and conditions by the Customer the terms and conditions are irrevocable and can only be rescinded in accordance with these terms and conditions or with the written consent of the manager of the Seller.
- 2.4 None of the Seller's agents or representatives are authorised to make any representations, statements, conditions or agreements not expressed by the manager of the Seller in writing nor is the Seller bound by any such unauthorised statements.
- 2.5 The parties agree that for the purposes of the Construction Contracts Act 2002 together with any amendments to the Construction Contracts Act 2022 this contract is not a commercial construction contract or a construction contract whether for a commercial or residential property or work and devise liability under this contract shall be in no way limited by any contract that the Customer may have entered into with a third party in relation to the supply of Goods and/or Services to that third party or the payment by the third party to the Customer of any monies whether by progress payments or otherwise.

3. Goods / Services

- 3.1 The Goods and/or Services are as described on the invoices, quotation, work authorisation or any other work commencement forms as provided by the Seller to the Customer.
- 3.2 Any credit limit approved by the Seller may be reviewed by the Seller from time to time at its sole discretion. The credit limit may be increased or reduced by the Seller following the review without the need to give notice to the customer for the increase or reduction.

4. Price And Payment

- 4.1 At the Seller's sole discretion the Price shall be either;
 - (a) as indicated on invoices provided by the Seller to the Customer in respect of Goods supplied; or
 - (b) the Seller's current Price, at the date of delivery of the Goods, according to the Seller's current Price list; or
 - (c) Seller's quoted Price (subject to clause 4.2) which shall be binding upon the Seller provided that the Customer shall accept in writing the Seller's quotation within thirty (30) days.
- 4.2 The Seller may by giving notice to the Customer (verbally or otherwise) at any time before delivery increase the Price of the Goods to reflect any variation from the plan of scheduled works or specifications beyond the reasonable control of the Seller which increase the cost of the Goods/Services by more than 10% of the quoted Price.
- 4.3 At the Seller's sole discretion a deposit may be required. The deposit amount or percentage of the Price will be stipulated at the time of the order of the Goods and shall become immediately due and payable.
- 4.4 Time for payment for the Goods shall be of the essence and will be stated on the invoice, quotation or any other order forms. If no time is stated then payment shall be on delivery of the Goods.
- 4.5 The Seller may withhold delivery of the Goods until the Customer has paid for them, in which event payment shall be made before the delivery date.
- 4.6 At the Seller's sole discretion, payment for approved Customer's shall be due on the twentieth (20th) of the month in which a statement is posted to the Customer's address or address for notices.
- 4.7 At the Seller's sole discretion, for certain approved Customers payment will be due seven (7) days following the date of the invoice.
- 4.8 Payment will be made by cash on delivery, or by cheque, or by bank cheque, or by direct credit, or by credit card, or by any other method as agreed to between the Customer and the Seller.
- 4.9 The Price shall be increased by the amount of any GST and other taxes and duties which may be applicable, except to the extent that such taxes are expressly included in any quotation given by the Seller.
- 4.10 The Seller will charge a 2.5% premium for all payments made by credit card or by contactless credit or debit card payment systems such as "Paywave".

5. Delivery Of Goods

- 5.1 Delivery of the Goods shall be made to the Customer's address. The Customer shall make all arrangements necessary to take delivery of the Goods whenever they are tendered for delivery.
- 5.2 The costs of carriage and any insurance which the Customer reasonably directs the Seller to incur, shall be reimbursed by the Customer (without any set-off or other withholding whatever) and shall be due on the date for payment of the Price. The

carrier shall be deemed to be the Customer's agent.

- 5.3 The Seller may deliver the Goods by separate instalments (in accordance with the agreed delivery schedule). Each separate instalment shall be invoiced and paid for in accordance with the provisions in this contract of sale.
 - 5.4 Delivery of the Goods to a third party nominated by the Customer is deemed to be delivery to the Customer for the purposes of this agreement.
 - 5.5 The Customer shall take delivery of the Goods tendered notwithstanding that the quantity so delivered shall be either greater or less than the quantity purchased provided that:
 - (a) such discrepancy in quantity shall not exceed 5%, and
 - (b) the Price shall be adjusted pro rata to the discrepancy.
 - 5.6 The failure of the Seller to deliver shall not entitle either party to treat this contract as repudiated.
 - 5.7 The Seller shall not be liable for any loss or damage whatever due to failure by the Seller to deliver the Goods (or any of them) promptly or at all.
- ### 6. Risk
- 6.1 If the Seller retains title to the Goods nonetheless all risk for the Goods passes to the Customer on delivery.
 - 6.2 If any of the Goods are damaged or destroyed prior to title to them passing to the Customer, the Seller is entitled, without prejudice to any of its other rights or remedies under these terms and conditions (including the right to receive payment of the balance of the Price for the Goods), to receive all insurance proceeds payable in respect of the Goods. This applies whether or not the Price has become payable under these terms and conditions. The production of these terms and conditions by the Seller is sufficient evidence of the Seller's rights to receive the insurance proceeds without the need for any person dealing with the Seller to make further enquiries.
- ### 7. Defects/Returns
- 7.1 The Customer shall inspect the Goods on delivery and shall within seven (7) days subject to any mandatory provisions under the Consumer Guarantees Act 1993 of delivery notify the Seller of any alleged defect, shortage in quantity, damage or failure to comply with the description or quote. The Customer shall afford the Seller an opportunity to inspect the Goods within a reasonable time following delivery if the Customer believes the Goods are defective in any way. If the Customer shall fail to comply with these provisions the Goods shall be conclusively presumed to be in accordance with the terms and conditions and free from any defect or damage.
 - 7.2 For defective Goods, which the Seller has agreed in writing that the Customer is entitled to reject, the Seller's liability is limited to either (at the Seller's discretion) replacing the Goods or repairing the Goods provided that:
 - (a) the Customer has complied with the provisions of clause 7.1;
 - (b) the Goods are returned at the Customer's cost within fourteen (14) days of the delivery date;
 - (c) the Seller will not be liable for Goods which have not been stored or used in a proper manner;
 - (d) the Goods are returned in the condition in which they were delivered and with all packaging material, brochures and instruction material in as new condition as is reasonably possible in the circumstances.
 - 7.3 The Seller may (in its discretion) accept the Goods for credit but this may incur a handling fee of 15% of the value of the returned Goods plus any freight or \$100.00 which ever is the greater of.
 - 7.4 Goods returned for credit must be returned within 14 days of purchase, are subject to approval, and incur a restocking fee being the greater of 15% of invoice value or \$100. Custom items manufactured or cut to length are non-refundable. In the event of a claim the seller liability is restricted to the invoice price only. Title of goods supplied shall not pass to the Customer until full payment is received.
- ### 8. Warranty
- 8.1 For Goods not manufactured by the Seller, the warranty shall be the current warranty provided by the manufacturer of the Goods. The Seller shall not be bound by nor responsible for any term, condition, representation or warranty given by the manufacturer of the Goods.
- ### 9. Default & Consequences Of Default
- 9.1 Interest on overdue invoices shall accrue from the date when payment becomes due daily until the date of payment at a rate of 2.5% compounding per calendar month and shall accrue at such a rate after as well as before any judgement.
 - 9.2 If the Customer defaults in payment of any invoice when due, the Customer shall indemnify the Seller from and against all of the Seller's costs and disbursements including on a solicitor and own client basis and in addition all of the Seller's nominees costs of collection.
 - 9.3 Without prejudice to any other remedies the Seller may have, if at any time the Customer is in breach of any obligation (including those relating to payment), the Seller may suspend or terminate the supply of Goods to the Customer and any of its other obligations under the terms and conditions. The Seller will not be liable to the Customer for any loss or damage the Customer suffers because the Seller exercised its rights under this clause.
 - 9.4 If any account remains unpaid at the end of the second month after supply of the Goods or Services the following shall apply: An immediate amount of the greater of \$20.00 or 10.00% of the amount overdue shall be levied for administration fees which sum shall become immediately due and payable in addition to the interest payable under clause 9.1 hereof.
 - 9.5 In the event that:
 - (a) any money payable to the Seller becomes overdue, or in the Seller's opinion the Customer will be unable to meet its payments as they fall due, or;
 - (b) the Customer becomes insolvent, convenes a meeting with its creditors or proposes or enters into an arrangement with creditors, or makes an assignment for the benefit of its creditors, or;
 - (c) a receiver, manager, liquidator (provisional or otherwise) or similar

person is appointed in respect of the Customer or any asset of the Customer, then without prejudice to the Seller's other remedies at law:

- (i) the Seller shall be entitled to cancel all or any part of any order of the Customer which remains unperformed in addition to and without prejudice to any other remedies; and
- (ii) all amounts owing to the Seller shall, whether or not due for payment, immediately become due and payable.

10. Title
- 10.1 It is the intention of the Seller and agreed by the Customer that property in the Goods shall not pass until:
- (a) The Customer has paid all amounts owing for the particular Goods, and
 - (b) The Customer has met all other obligations due by the Customer to the Seller in respect of all contracts between the Seller and the Customer, and that the Goods, or proceeds of the sale of the Goods, shall be kept separate until the Seller shall have received payment and all other obligations of the Customer are met.
- 10.2 Receipt by the Seller of any form of payment other than cash shall not be deemed to be payment until that form of payment has been honoured, cleared or recognised and until then the Seller's ownership of rights in respect of the Goods shall continue.
- 10.3 It is further agreed that:
- (a) Until such time as ownership of the Goods shall pass from the Seller to the Customer the Seller may give notice in writing to the Customer to return the Goods or any of them to the Seller. Upon such notice the rights of the Customer to obtain ownership or any other interest in the Goods shall cease.
 - (b) If the Customer fails to return the Goods to the Seller then the Seller or the Seller's agent may enter upon and into land and premises owned, occupied or used by the Customer, or any premises as the invitee of the Customer, where the Goods are situated and take possession of the Goods, without being responsible for any damage thereby caused.

11. Personal Property Securities Act 1999
- 11.1 Upon assenting to these terms and conditions in writing the Customer acknowledges and agrees that:
- (a) these terms and conditions constitute a security agreement for the purposes of the PPSA; and
 - (b) a security interest is taken in all Goods previously supplied by the Seller to the Customer (if any) and all Goods that will be supplied in the future by the Seller to the Customer during the continuance of the parties relationship.
- 11.2 The Customer undertakes to:
- (a) sign any further documents and/or provide any further information, such information to be complete, accurate and up-to-date in all respects, which the Seller may reasonably require to register a financing statement or financing change statement on the Personal Property Securities Register;
 - (b) indemnify, and upon demand reimburse, the Seller for all expenses incurred in registering a financing statement or financing change statement on the Personal Property Securities Register or releasing any Goods charged thereby;
 - (c) not register a financing change statement or a change demand without the prior written consent of the Seller;
 - (d) give the Seller not less than fourteen (14) days prior written notice of any proposed change in the Customer's name and/or any other change in the Customer's details (including but not limited to, changes in the Customer's address, facsimile number, or business practice); and
 - (e) immediately advise the Seller of any material change in its business practices of selling the Goods which would result in a change in the nature of proceeds derived from such sales.
- 11.3 The Seller and the Customer agree that nothing in sections 114(1)(a), 133 and 134 of the PPSA shall apply to these Terms and Conditions.
- 11.4 The Customer waives its rights as a debtor under sections 116, 120(2), 121, 125, 126, 127, 129, 131 and 132 of the PPSA.
- 11.5 Unless otherwise agreed to in writing by the Seller, the Customer waives its right to receive a verification statement in accordance with section 148 of the PPSA.
- 11.6 The Customer unconditionally ratifies any actions taken by the Seller under clauses 11.1 to 11.5. under and by virtue of the power of attorney given by the Customer to the Seller.

12. Security & Charge
- 12.1 Despite anything to the contrary contained herein or any other rights which the Seller may have howsoever:
- (a) Where the Customer and/or the Guarantor (if any) is the owner of land, realty or any other asset capable of being charged, both the Customer and/or the Guarantor agree to mortgage and/or charge all of their joint and/or several interest in the said land, realty or any other asset to the Seller or the Seller's nominee to secure all amounts and other monetary obligations payable under the terms and conditions. The Customer and/or the Guarantor acknowledge and agree that the Seller (or the Seller's nominee) shall be entitled to lodge where appropriate a caveat, which caveat shall be released once all payments and other monetary obligations payable hereunder have been met.
 - (b) Should the Seller elect to proceed in any manner in accordance with this clause and/or its sub-clauses, the Customer and/or Guarantor shall indemnify the Seller from and against all the Seller's costs and disbursements including legal costs on a solicitor and own client basis.
 - (c) To give effect to the provisions of clause [11, 12.1(a) to (b)] inclusive hereof the Customer and/or the Guarantor (if any) do hereby irrevocably nominate constitute and appoint the Seller or the Seller's nominee as the Customer's and/or Guarantor's true and lawful attorney to execute mortgages and charges (whether registrable or not) including such other terms and conditions as the Seller and/or the Seller's nominee shall think fit in his/her/its/their absolute discretion against the joint and/or several interest of the Customer and/or the Guarantor in any land, realty

or asset in favour of the Seller and in the Customer's and/or Guarantor's name as may be necessary to secure the said Customer's and/or Guarantor's obligations and indebtedness to the Seller and further to do and perform all necessary and other acts including instituting any necessary legal proceedings, and further to execute all or any documents in the Seller's absolute discretion which may be necessary or advantageous to give effect to the provisions of this clause.

13. Intellectual property
- 13.1 Where the Seller has designed or drawn Goods for the Customer, then the copyright in those designs and drawings shall remain vested in the Seller, and shall only be used by the Customer at the Seller's discretion.
- 13.2 The Customer warrants that all designs or instructions to the Seller will not cause the Seller to infringe any patent, registered design or trademark in the execution of the Customer's order.
14. Cancellation
- 14.1 The Seller may cancel these terms and conditions or cancel delivery of Goods and Services at any time before the Goods are delivered by giving written notice. On giving such notice the Seller shall promptly repay to the Customer any sums paid in respect of the Price for those Goods. The Seller shall not be liable for any loss or damage whatsoever arising from such cancellation.
- 14.2 At the Seller's sole discretion the Customer may cancel delivery of Goods and/or Services. In the event that the Customer cancels delivery of Goods and/or Services the Customer shall be liable for any costs incurred by the Seller up to the time of cancellation.
15. Privacy Act 2020
- 15.1 The Customer and the Guarantor/s (if separate to the Customer) authorises the Seller to:
- (a) collect, retain and use any information about the Customer, for the purpose of assessing the Customer's creditworthiness or marketing products and services; and
 - (b) to disclose information about the Customer, whether collected by the Seller from the Customer directly or obtained by the Seller from any other source, to any other credit provider or any credit reporting agency for the purposes of providing or obtaining a credit reference, debt collection or notifying a default by the Customer.
- 15.2 Where the Customer is a natural person the authorities under clause 15.1 are authorities or consents for the purposes of the Privacy Act 2020.
- 15.3 The Customer shall have the right to request the Seller for a copy of the information about the Customer retained by the Seller and the right to request the Seller to correct any incorrect information about the Customer held by the Seller.
16. Customer's Disclaimer
- 16.1 The Customer hereby disclaims any right to rescind, or cancel the contract or to sue for damages or to claim restitution arising out of any misrepresentation made to him by any servant or agent of the Seller and the Customer acknowledges that he buys the Goods relying solely upon his own skill and judgement.
18. Unpaid Seller's Rights To Dispose Of Goods
- 18.1 In the event that:
- (a) the Seller retains possession or control of the Goods; and
 - (b) payment of the Price is due to the Seller; and
 - (c) the Seller has made demand in writing of the Customer for payment of the Price in terms of this contract; and
 - (d) the Seller has not received the Price of the Goods,
- then, whether the title in the Goods has passed to the Customer or has remained with the Seller, the Seller may dispose of the Goods and may claim from the Customer the loss to the Seller on such disposal.
19. Consumer Guarantees Act 1993
- 19.1 This agreement is subject to the provisions of the Consumer Guarantees Act 1993 in all cases except where the Customer is contracting within the terms of a trade/business (which cases are specifically excluded).
20. General
- 20.1 If any provision of these terms and conditions shall be invalid, void or illegal or unenforceable the validity existence, legality and enforceability of the remaining provisions shall not be affected, prejudiced or impaired.
- 20.2 All Goods and Services supplied by the Seller are supplied subject to the laws of New Zealand and the Seller takes no responsibility for changes in the law that affect the Goods or Services supplied.
- 20.3 The Seller shall be under no liability whatsoever to the Customer for any indirect loss and/or expense (including loss of profit) suffered by the Customer arising out of a breach by the Seller of these terms and conditions.
- 20.4 In the event of any breach of this contract by the Seller the remedies of the Customer shall be limited to damages. Under no circumstances shall the liability of the Seller exceed the Price of the Goods.
- 20.5 Neither party shall be liable for any default due to any act of God, terrorism, war, strike, lock out, industrial action, flood, storm or other event beyond the reasonable control of either party.
- 20.6 The Customer shall not set off against the Price amounts due from the Seller.
- 20.7 The Seller may license or sub-contract all or any part of its rights and obligations without the Customer's consent.
- 20.8 The Seller reserves the right to review these terms and conditions at any time and from time to time. If, following any such review, there is to be any change in such terms and conditions, that change will take effect from the date on which the Seller notifies the Customer of such change.

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