



**Specialised
Fabric
Solutions**

**PRODUCT
CATALOGUE
2024**

—

SAILMAKING

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.

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TO PLACE AN ORDER OR FOR
PRODUCT ENQUIRIES

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SAILMAKING

CONTENTS

| | |
|----------------------------|----|
| POCKET PROTECTORS | 4 |
| BATTEN FITTINGS | 5 |
| BATTEN END CAPS | 6 |
| SAILMAN | 7 |
| TRACK SLIDES | 9 |
| SHACKLES | 12 |
| SHACKLES, TACK & JIB HANKS | 13 |
| CLEWBOARDS & HEADBOARDS | 14 |
| HEADBOARDS | 15 |
| CLEWBOARDS | 16 |
| HEADBOARD LINERS & RIVETS | 17 |
| CLEATS | 18 |
| ENDEAVOUR RINGS | 19 |
| INOX PRESSED RING SYSTEM | 20 |
| GROMMETS & CLOSING TOOLS | 21 |
| STAINLESS STEEL RINGS | 22 |
| SAILCLOTH TAPE | 24 |
| TAPE & INSIGNIA CLOTH | 26 |
| SNAP HOOKS & BUCKLES | 27 |
| SEAMING TAPE | 28 |
| PUNCHES | 30 |
| CUTTERS & HAMMERS | 31 |
| SHEARS | 32 |
| HOT KNIVES | 33 |
| WEBBING | 34 |
| SEWING ACCESSORIES | 36 |
| WAX & WAXED THREAD | 37 |
| BONDED POLYESTER THREAD | 38 |
| NEEDLES | 40 |
| ACCESSORIES | 42 |

BATTEN POCKET PROTECTORS

FOR DINGHY SAILS

PRODUCT FEATURES

- Semi- circular seat permits wide range of batten angles
- Smoothly radiused nose gives low friction contact with the mast
- Price includes screws



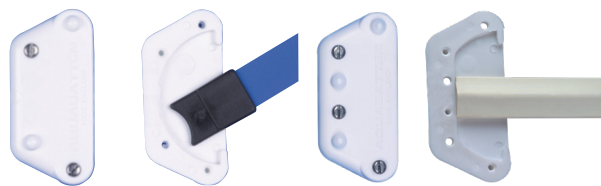
| CODE | MAX BATTEN WIDTH | MAX CAVITY DEPTH | PACK QTY |
|-------|------------------|------------------|----------|
| HA001 | 15MM 5⁄8" | 14MM 9⁄16" | 100 |

BATTEN POCKET PROTECTORS

FOR DINGHY & CATAMARAN SAILS

PRODUCT FEATURES

- Semi- circular seat permits wide range of batten angles
- Smoothly radiused nose gives low friction contact with the mast
- Price includes screws for HA002
- HA302 includes 6 hi-load screws



HA002

HA302

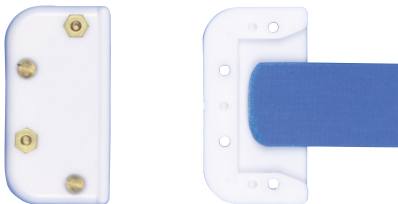
| CODE | MAX BATTEN WIDTH | MAX CAVITY DEPTH | PACK QTY |
|-------|------------------|------------------|----------|
| HA002 | 30MM 1 1⁄8" | 25MM 1" | 10 |
| HA302 | 30MM 1 1⁄8" | 20MM 3⁄4" | 10 |

BATTEN POCKET PROTECTORS

FOR LARGER CATAMARAN SAILS

PRODUCT FEATURES

- Method of attachment gives excellent resistance to side loads
- Smoothly radiused nose gives low friction contact with mast
- Price includes screws and nuts



| CODE | MAX BATTEN WIDTH | MAX CAVITY DEPTH | PACK QTY |
|-------|------------------|------------------|----------|
| HA006 | 40MM 1 5⁄8" | 24MM 1" | 50 |

BATTEN POCKET PROTECTORS

FOR LARGE CRUISING SAILS

PRODUCT FEATURES

- Suitable for wider battens on cruising catamarans
- Price includes screws



| CODE | MAX BATTEN WIDTH | MAX CAVITY DEPTH | PACK QTY |
|-------|------------------|------------------|----------|
| HA005 | 60MM 2 3⁄8" | 30MM 1 1⁄8" | 10 |

END FITTINGS

FOR FULL BATTEN YACHT SAILS

PRODUCT FEATURES

- These fittings are recommended for use on simple designs of fully battened mainsails where the higher cost of more elaborate fittings is not justified
- Batten tensioning is normally achieved by the use of leech end ties, webbing or Velcro



SHACKLE

FOR ATTACHMENT OF HA303

PRODUCT FEATURES

- Manufactured from type 316 stainless steel
- Custom designed for use with HA303



| CODE | LENGTH | WIDTH |
|-------|---------------|-------------|
| HB303 | 42MM 1 5/8" | 12MM 1/2" |

SCREW COMPRESSION FITTING



PRODUCT FEATURES

- Suitable for use with full batten mainsails on catamarans up to 6m/20 feet
- Attach into size 00 grommets on each side of batten pocket

| CODE | MAX BATTEN THICKNESS | PACK QTY |
|-------|----------------------|----------|
| HA082 | 8MM 5/16" | 10 |

END FITTINGS

FOR 45MM | 1 3/4" FLAT BATTENS

PRODUCT FEATURES

- Manufactured in reinforced nylon with type 316 stainless steel screws
- Can be used as a leech fitting or luffbox with Allslip slides
- Attaches to slide with webbing or with shackle HB303
- Sold complete: 2 halves with screws and locking nuts



| CODE | COLOUR | MAX BATTEN WIDTH | MAX CAVITY DEPTH |
|---------|--------|----------------------------|------------------|
| HA303B | BLACK | 45MM X 7MM 1 3/4" X 1/4" | 47MM 1 3/4" |
| HA303WT | WHITE | 45MM X 7MM 1 3/4" X 1/4" | 47MM 1 3/4" |

END FITTINGS

FOR 30MM | 1 1/4" FLAT BATTENS

PRODUCT FEATURES

- Manufactured in reinforced nylon, with type 316 stainless steel screws
- Can be used as a leech fitting or luffbox with Allslip slides
- Attaches to slide with webbing
- Sold complete: 2 halves with screws and nuts



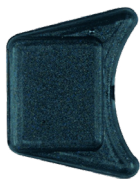
| CODE | COLOUR | MAX BATTEN SIZE | MAX CAVITY DEPTH |
|---------|--------|------------------------------|------------------|
| HA300 | BLACK | 30MM X 6.5MM 1 1/4" X 1/4" | 40MM 1 1/2" |
| HA300WT | WHITE | 30MM X 6.5MM 1 1/4" X 1/4" | 40MM 1 1/2" |

BATTEN END CAPS

AQUABATTEN ENDCAPS

PRODUCT FEATURES

- Spreads load at the end of the sail pocket
- Use these endcaps for untapered batten styles
- Manufactured from nylon



10DECI



10DECO



15DNECI



15DNECO

| CODE | POSITION | MAX WIDTH | TO FIT BATTENS | PACK QTY |
|---------|----------|---------------|----------------|----------|
| 10DECI | INNER | 15MM 5⁄8" | 10MM | 100 |
| 10DECO | OUTER | 15MM 5⁄8" | 10MM | 100 |
| 15DNECI | INNER | 18MM 11⁄16" | 15MM | 100 |
| 15DNECO | OUTER | 18MM 11⁄16" | 15MM | 100 |

AQUABATTEN FLAT ENDCAPS

PRODUCT FEATURES

- Spreads load at the end of the sail pocket
- Use these endcaps for untapered batten styles
- Manufactured from nylon



30CEC



40CEC

| CODE | USE WITH BATTENS | OVERALL WIDTH | PACK QTY |
|--------|------------------|---------------|----------|
| H30CEC | 30NT | 35MM 1 3⁄8" | 100 |
| H40CEC | 40NT | 42MM 1 1⁄2" | 100 |

SAILMAN

35 LUFF BOXES

PRODUCT FEATURES

- Tough injection moulded fibre reinforced construction
- Concealed M10 nut for extra strength compared to threaded plastic designs
- Optional batten tension adjustment with metal drive dog
- U01530 is non-adjustable
- Snap in guides to suit round or flat battens supplied with every box



| CODE | DESCRIPTION | CONNECTION | LENGTH | WIDTH |
|--------|---------------------------------|------------|--------|-------|
| U01530 | SERIES 35 BATTEN BOX NON-ADJUST | M10 THREAD | 120MM | 62MM |
| U01531 | SERIES 35 BATTEN BOX ADJUSTABLE | M10 THREAD | 120MM | 62MM |

55 LUFF BOX

PRODUCT FEATURES

- Tough injection moulded fibre reinforced construction
- Tension adjustment for Sailman battens with metal drive dog
- Additional cover plates included for both flat battens and rod battens
- Tension adjustment options: Adjustable or non-adjustable for a wide range of battens
- Non-adjustable with Round Battens



| CODE | DESCRIPTION | CONNECTION | LENGTH | WIDTH |
|---------|---------------------------------|------------|--------|-------|
| U01520Y | SERIES 55 BATTEN BOX ADJUSTABLE | M10 THREAD | 127MM | 73MM |

SAILMAN 3000 TOGGLE SERIES 55 TOGGLE

PRODUCT FEATURES

- Pressure formed 316 stainless steel double toggle transfers compression directly and evenly onto slide
- M10 thread allows connection to Series 25, Series 35 and most other brands of batten box
- Universal Toggle allows 'lay-flat' rotation of battens when sail is stowed or reefed
- Clevis pin with heavy duty split ring provides simple sail removal



| CODE | DESCRIPTION | CONNECTION |
|--------|--|------------|
| U00642 | SAILMAN 3000 UNIVERSAL TOGGLE ASSEMBLY M10 ARM | M10 THREAD |

PRODUCT FEATURES

- Pressure formed 316 stainless steel double toggle transfers compression directly and evenly onto slide
- M10 thread allows connection to Series 25, Series 35 and most other brands of batten box
- Universal Toggle allows 'lay-flat' rotation of battens when sail is stowed or reefed
- Clevis pin with heavy duty split ring provides simple sail removal



| CODE | DESCRIPTION | CONNECTION |
|--------|---|------------|
| U00658 | SERIES 55 UNIVERSAL TOGGLE ASSEMBLY M10 ARM | M10 THREAD |

SAILMAN 3000

HA107

HA108

HA109

HA114
(Selden 'E'
Series)

HA116

HA117

HA118

Batten Slide

M10 Slide Linkage
U00642

Long Reach Screw
on shackle HA035BK

Series 35 Luff Box
U01531 or U01530

| CODE | WIDTH | WAIST | LENGTH | PACK QTY |
|-------|---------------|----------------|---------------|----------|
| HA107 | 15.8MM 5⁄8" | 7.0MM 1⁄4" | 45MM 1 3⁄4" | 10 |
| HA108 | 19.0MM 3⁄4" | 9.0MM 5⁄8" | 45MM 1 3⁄4" | 10 |
| HA109 | 22.2MM 7⁄8" | 11.0MM 7⁄16" | 45MM 1 3⁄4" | 10 |
| HA114 | 15.6MM 5⁄8" | 4.4MM 3⁄16" | 45MM 1 3⁄4" | 10 |
| HA116 | 7.5MM 5⁄16" | 4.0MM 3⁄32" | 45MM 1 3⁄4" | 10 |
| HA117 | 8.5MM 5⁄8" | 4.0MM 3⁄32" | 45MM 1 3⁄4" | 10 |
| HA118 | 11.5MM 1⁄2" | 4.0MM 3⁄32" | 45MM 1 3⁄4" | 10 |

SAILMAN 3500

U00341S
M10 Arm

U00361
Intermediate

U00343S
M10 Arm

U00363
Intermediate

U00345S
M10 Arm

U00365
Intermediate

U00357S
M10 Arm

U00377
Intermediate

Intermediate Slide

M10 Batten Slide

Series 35 Luff Box
U01531 or U01530

Intermediate Slide

| CODE | WIDTH | WAIST | LENGTH | PACK QTY |
|--------|---------------|----------------|----------------|----------|
| U00361 | 15.5MM 5⁄8" | 7.3MM 7⁄64" | 55MM 2 1⁄16" | 10 |
| U00363 | 17.9MM 5⁄8" | 8.7MM 9⁄64" | 55MM 2 1⁄16" | 10 |
| U00365 | 21.5MM 7⁄8" | 10.3MM 5⁄32" | 55MM 2 1⁄16" | 10 |
| U00377 | 9.0MM 1⁄8" | 3.4MM 1⁄8" | 55MM 2 1⁄16" | 10 |

M10 Batten Slide

| CODE | WIDTH | WAIST | LENGTH | PACK QTY |
|---------|---------------|----------------|----------------|----------|
| U00341S | 15.5MM 5⁄8" | 7.3MM 7⁄64" | 55MM 2 1⁄16" | 10 |
| U00343S | 17.9MM 5⁄8" | 8.7MM 9⁄64" | 55MM 2 1⁄16" | 10 |
| U00345S | 21.5MM 7⁄8" | 10.3MM 5⁄32" | 55MM 2 1⁄16" | 10 |
| U00357S | 9.0MM 1⁄8" | 3.4MM 1⁄8" | 55MM 2 1⁄16" | 10 |

SAILMAN 4000

U00462 Intermediate

U00442S M10

U00462H 16.3mm headslide

U00468 Intermediate

U00448S M10

U00468H 24mm headslide

U00464 Intermediate

U00444S M10

U00464H 18.8mm headslide

U00472 Intermediate

U00452S M10

U00472H 10mm headslide

U00466 Intermediate

U00446S M10

U00466H 23mm headslide

U00474 Intermediate

U00454S M10

U00474H 11mm headslide

U00463 Intermediate

U00443S M10

U00463H 19.8mm headslide

M10 Batten Slide

Intermediate Slide

Series 35 Luff Box
U01531 or U01530

Series 55 Luff Box
U01520Y

Intermediate Slide

| CODE | WIDTH | WAIST | LENGTH | PACK QTY |
|--------|----------------|---------------|----------------|----------|
| U00462 | 16.3MM 5⁄8" | 8.5MM 9⁄64" | 52MM 2 1⁄16" | 10 |
| U00463 | 19.8MM 3⁄4" | 9.4MM 3⁄8" | 52MM 2 1⁄16" | 10 |
| U00464 | 18.8MM 3⁄4" | 4.7MM 3⁄16" | 52MM 2 1⁄16" | 10 |
| U00466 | 23MM 7⁄8" | 12MM 1⁄2" | 52MM 2 1⁄16" | 10 |
| U00468 | 24MM 1 1⁄16" | 12MM 1⁄2" | 52MM 2 1⁄16" | 10 |
| U00472 | 10MM 3⁄8" | 3.6MM 1⁄8" | 52MM 2 1⁄16" | 10 |
| U00474 | 11MM 7⁄16" | 3.7MM 1⁄8" | 52MM 2 1⁄16" | 10 |

M10 Batten Slide

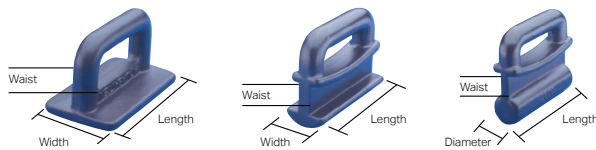
| CODE | WIDTH | WAIST | LENGTH | PACK QTY |
|---------|----------------|---------------|----------------|----------|
| U00442S | 16.3MM 5⁄8" | 8.5MM 9⁄64" | 52MM 2 1⁄16" | 10 |
| U00443S | 19.8MM 3⁄4" | 9.4MM 3⁄8" | 52MM 2 1⁄16" | 10 |
| U00444S | 18.8MM 3⁄4" | 4.7MM 3⁄16" | 52MM 2 1⁄16" | 10 |
| U00446S | 23MM 7⁄8" | 12MM 1⁄2" | 52MM 2 1⁄16" | 10 |
| U00448S | 24MM 1 1⁄16" | 12MM 1⁄2" | 52MM 2 1⁄16" | 10 |
| U00452S | 10MM 3⁄8" | 3.6MM 1⁄8" | 52MM 2 1⁄16" | 10 |
| U00454S | 11MM 7⁄16" | 3.7MM 1⁄8" | 52MM 2 1⁄16" | 10 |

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TRACK SLIDE MEASUREMENTS

- Bainbridge International's track slides have been carefully designed to allow compatibility with the widest possible range of mast sections
- Design and material selection leads to trouble-free use and maximum strength even under the most arduous conditions
- High strength metal slides are also available for each type of track to be used in the more highly stressed head and clew positions



INTERNAL FLAT SLIDES

PLASTIC

- Injection moulded in nylon 66



| CODE | WIDTH | WAIST | LENGTH | PACK QTY |
|-------|---------------|--------------|----------------|----------|
| HA007 | 15.5MM 5/8" | 6.5MM 1/4" | 30MM 1 3/16" | 100 |
| HA008 | 18MM 3/4" | 9MM 3/8" | 33MM 1 5/16" | 100 |
| HA009 | 22MM 7/8" | 11MM 7/16" | 35MM 1 3/8" | 100 |

INTERNAL FLAT SLIDES

STAINLESS STEEL

- Cast stainless steel, electro-polished
- Low friction PTFE coating



| CODE | WIDTH | WAIST | LENGTH | PACK QTY |
|-------|---------------|------------|----------------|----------|
| HB307 | 16MM 5/8" | 7MM 1/4" | 40MM 1 7/16" | 10 |
| HB308 | 19.5MM 3/4" | 7MM 1/4" | 40MM 1 7/16" | 10 |
| HB309 | 22MM 7/8" | 7MM 1/4" | 40MM 1 7/16" | 10 |

PROCTOR MAST SLIDES

- Cast stainless steel encapsulated in low friction injection moulded nylon



| CODE | WIDTH | WAIST | LENGTH | PACK QTY |
|-------|----------------|--------------|-----------|----------|
| HB009 | 24MM 1 5/16" | 11MM 7/16" | 50MM 2" | 10 |
| HB010 | 30MM 3/8" | 16MM 5/8" | 50MM 2" | 10 |

METAL MAST SLIDES

PLASTIC

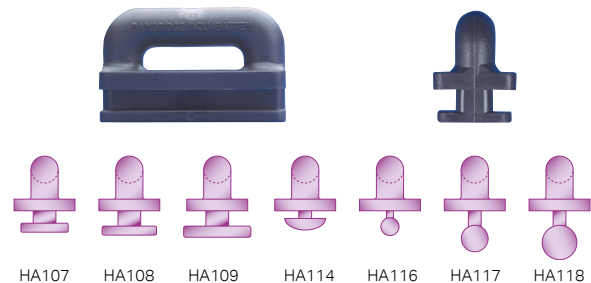
- Designed for use in the Metal Mast system



| CODE | WIDTH | WAIST | LENGTH | PACK QTY |
|--------|----------------|--------------|--------|----------|
| HA006M | 19MM 3/4" | 10MM 3/8" | 30MM | 100 |
| HA008M | 24MM 1 5/16" | 11MM 7/16" | 34MM | 100 |

ALLSLIP INTERNAL LOW FRICTION SLIDES

- Manufactured from low friction nylon plastic alloy
- Overall length of 45mm gives good bearing surface
- Positive location in mast groove for free running in compression and tension
- HA114 is specially designed for use in Selden Mast Sections fitted with flush gates



| CODE | WIDTH | WAIST | LENGTH | PACK QTY |
|-------|---------------|----------------|---------------|----------|
| HA107 | 15.8MM 5/8" | 7.0MM 1/4" | 45MM 1 3/4" | 10 |
| HA108 | 19.0MM 3/4" | 9.0MM 3/8" | 45MM 1 3/4" | 10 |
| HA109 | 22.2MM 7/8" | 11.0MM 7/16" | 45MM 1 3/4" | 10 |
| HA114 | 15.6MM 5/8" | 4.4MM 3/16" | 45MM 1 3/4" | 10 |
| HA116 | 7.5MM 5/16" | 4.0MM 3/32" | 45MM 1 3/4" | 10 |
| HA117 | 8.5MM 3/8" | 4.0MM 3/32" | 45MM 1 3/4" | 10 |
| HA118 | 11.5MM 1/2" | 4.0MM 3/32" | 45MM 1 3/4" | 10 |

SELDEN MAST SLIDES

PLASTIC

- HA011 and HA012 are designed for Selden's new range of sections



| CODE | WIDTH | WAIST | LENGTH | PACK QTY |
|-------|-----------|------------|---------------|----------|
| HA011 | 20MM ¾" | 8.5MM ⅓" | 30.0MM 1 ⅛" | 100 |
| HA012 | 20MM ¾" | 8.5MM ⅓" | 40.0MM 1 ⅝" | 10 |

SELDEN MAST SLIDES

PLASTIC

- HA015 is especially designed for use on boats over 40 feet



| CODE | WIDTH | WAIST | LENGTH | PACK QTY |
|-------|--------------|-------------|----------------|----------|
| HA013 | 11MM 7/16" | 3MM 1/8" | 24MM 7/8" | 100 |
| HA014 | 14MM 9/16" | 4MM 5/32" | 30MM 1 1/16" | 100 |
| HA015 | 15MM 9/16" | 4MM 5/32" | 40MM 1 5/8" | 10 |

SELDEN MAST SLIDES

STAINLESS STEEL

- Cast stainless steel, electro-polished
- Low friction PTFE coating



| CODE | WIDTH | WAIST | LENGTH | PACK QTY |
|-------|--------------|-------------|----------------|----------|
| HB044 | 14MM 9/16" | 3MM 5/32" | 37MM 1 7/16" | 10 |

INTERNAL SLUG SLIDES

PLASTIC

- Injection moulded in nylon 66



| CODE | WIDTH | WAIST | LENGTH | PACK QTY |
|-------|--------|-------|--------|----------|
| HA016 | 7.5MM | 3MM | 27MM | 100 |
| HA017 | 9.0MM | 3MM | 27MM | 100 |
| HA018 | 12.0MM | 3MM | 27MM | 100 |

SLUG SLIDES

WITH WELDED STAINLESS STEEL BAIL

- Moulded-in welded bail gives maximum strength



| CODE | WIDTH | WAIST | LENGTH | PACK QTY |
|--------|--------|-------|--------|----------|
| HA016S | 6.9MM | 2.5MM | 27MM | 100 |
| HA017S | 8.0MM | 2.5MM | 27MM | 100 |
| HA019S | 10.0MM | 3.2MM | 30MM | 100 |
| HA018S | 11.0MM | 3.4MM | 30MM | 100 |

INTERNAL SLUG SLIDES

STAINLESS STEEL

- Cast stainless steel, electro-polished
- Low friction PTFE coating



| CODE | WIDTH | WAIST | LENGTH | PACK QTY |
|-------|--------|-------|--------|----------|
| HB035 | 7.5MM | 3.5MM | 37MM | 10 |
| HB036 | 8.6MM | 3.5MM | 37MM | 10 |
| HB037 | 10.5MM | 3.5MM | 37MM | 10 |

HEAVY DUTY SLUG SLIDES

WITH MOULDED-ON BAIL

- Injection moulded in low-friction nylon, with captive stainless steel bail
- Also used for mainsail tack to give close-in attachment of sail to mast



| CODE | WIDTH | WAIST | LENGTH | PACK QTY |
|-------|--------|-------|--------|----------|
| HA031 | 8.0MM | 3MM | 50MM | 10 |
| HA032 | 9.0MM | 3MM | 50MM | 10 |
| HA033 | 12.0MM | 4MM | 75MM | 10 |

KIWI SLIDES

- Easily installed by sewing directly onto the sail. No shackles required
- Can be used in groove systems



| CODE | DIAMETER | LENGTH | PACK QTY |
|----------|----------|--------|----------|
| KIW16/40 | 5.6MM | 33MM | 10 |
| KIW17/50 | 6.8MM | 39MM | 10 |
| KIW18/60 | 7.80MM | 42MM | 10 |
| KIW19/70 | 9.06MM | 43MM | 10 |

INTERNAL SLUG SLIDES

CAST ALLOY

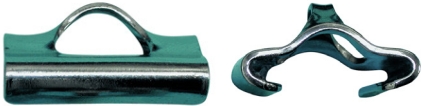
- Diecast in aluminium alloy and coated with teflon



| CODE | WIDTH | WAIST | LENGTH | PACK QTY |
|-------|-------|-------|--------|----------|
| HB101 | 11MM | 2.6MM | 38MM | 10 |
| HB102 | 11MM | 4.0MM | 72MM | 10 |

SAIL SLIDE EXTERNAL

- 316 Stainless Steel electro-polished slide
- Specifically designed for external track systems
- Attach to sail with webbing or lashing
- Recommend EW352 Lacing tape for lashing slide to sail



| CODE | TRACK SIZE | PACK QTY |
|---------|------------|----------|
| HB014SS | 15MM | 10 |
| HB015SS | 22MM | 10 |
| HB016SS | 25MM | 10 |

ALLSLIP INTERNAL
LOW FRICTION SLIDES

- Diecast in stainless steel, electro-polished
- Low friction PTFE coating



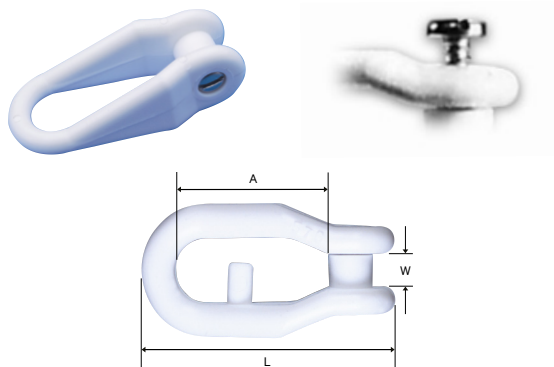
| CODE | WIDTH | WAIST | LENGTH | PACK QTY |
|-------|--------|-------|--------|----------|
| HB011 | 7.5MM | 3MM | 74MM | 10 |
| HB012 | 9.0MM | 3MM | 75MM | 10 |
| HB013 | 12.0MM | 3MM | 75MM | 10 |

SCREW-ON SHACKLES

PLASTIC

PRODUCT FEATURES

- Bainbridge International's plastic shackles are designed for ease of use, high strength and ability to absorb shock loads
- The screw design is strongest and permits easy detachment and re-attachment
- Injection moulded from a tough nylon to absorb sudden impact loads
- HA027 to be used with HA007/HA008/HA013/HA016/HA017/HA018/HA019/HA006M
- HA028 to be used with HA009/HA014/HA018/HA008M
- Shackles supplied complete with screws



| CODE | DESCRIPTION | A MM | L MM | W MM | PACK QTY |
|-------|--------------------|------|------|------|----------|
| HA027 | SMALL/STANDARD | 28 | 45 | 10 | 100 |
| HA028 | LARGE/ANTI-JAMMING | 27 | 47 | 11 | 100 |

SOLID STAINLESS STEEL THIMBLE

- Manufactured from heavy gauge type 316 stainless steel
- Chemically cleaned and electro-polished



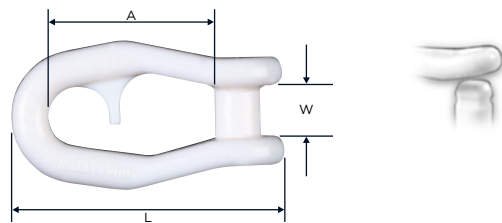
| CODE | INTERNAL DIAMETER | EXTERNAL LENGTH | PACK QTY |
|-------|-------------------|-----------------|----------|
| HB153 | 12MM | 28MM | 10 |
| HB154 | 13MM | 33MM | 10 |
| HB155 | 18MM | 36MM | 10 |
| HB156 | 20MM | 48MM | 10 |
| HB158 | 24MM | 56MM | 10 |

SNAP-IN SHACKLES

PLASTIC

PRODUCT FEATURES

- Bainbridge International's plastic shackles are designed for ease of use, high strength and ability to absorb shock loads
- The unique snap design is often preferred as an easier to fit alternative
- Injection moulded from a tough nylon to absorb sudden impact loads
- Unique design of snap to give reduced elongation under load and higher strength
- HA024 to be used with HA009/HA014/HA018/HA008M

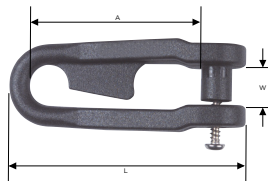


| CODE | DESCRIPTION | A MM | L MM | W MM | PACK QTY |
|-------|--------------------|------|------|------|----------|
| HA024 | LARGE/ANTI-JAMMING | 28 | 45 | 11 | 100 |

LONG REACH SCREW-ON SHACKLES

PRODUCT FEATURES

- The long reach shackle is specifically designed for connecting our regular plastic and Allslip slides to full batten sails including those equipped with Sailman 3000, 3500 and 4000 systems
- HA035BK to be used with all 7 Allslips slides as well as: HA007, HA008, HA009, HA017 and HA018
- Unique anti-jamming design retains the slide at the head of the shackle
- Colour co-ordinated to match Sailman and Allslip slides
- Screw-on closure for extra strength, supplied complete

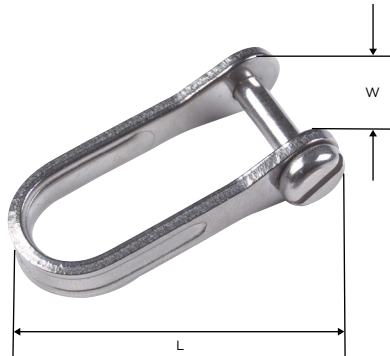


| CODE | A MM | L MM | W MM | PACK QTY |
|---------|------|------|------|----------|
| HA035BK | 45 | 61 | 11 | 100 |

SCREW SHACKLES

STAINLESS STEEL

- To be used with HA016S - HA018S and HB014 - HB016



| CODE | DESCRIPTION | L MM | W MM | PACK QTY |
|-------|------------------|------|------|----------|
| HB131 | SCREW SHACKLE SS | 24 | 10 | 100 |

SISTER CLIP

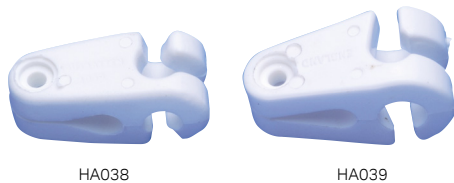
- Allows fast and positive sheet attachment to sail
- Use on one-design or light air spinnakers



| CODE | DESCRIPTION | LENGTH | PACK QTY |
|-------|------------------------------|--------|----------|
| HB605 | STAINLESS STEEL WITH FERRULE | 38 MM | 10 |

TWIST-ON PLASTIC JIB HANKS

- Plastic jib hanks are ideal for dinghies, dayboats and sportsboats up to 25 feet
- Price includes screws



| CODE | SIZE | FORESTAY DIAMETER | LENGTH |
|-------|-------|-------------------|--------|
| HA038 | SMALL | 3.5 MM | 100 |
| HA039 | LARGE | 5.0MM | 100 |

SWEDISH FORGED BRASS PISTON HANKS

- Swedish brass jib hanks are renowned world-wide for quality, reliability and ease of fitting
- Forged from marine quality brass and fitted with a stainless steel spring
- B516 has a jaw opening of 25mm and internal dimensions of 25mm x 29mm. It is designed for use over forestay systems for storm jibs, not for large genoas



| CODE | SIZE | LENGTH MM | MAX FORESTAY MM | PACK QTY |
|-------|------|-----------|-----------------|----------|
| HB510 | 0 | 44 | 8 | 10 |
| HB511 | 1 | 52 | 9 | 10 |
| HB512 | 2 | 65 | 12 | 10 |
| HB513 | 3 | 74 | 15 | 10 |
| HB514 | 4 | 82 | 17 | 10 |
| HB515 | 5 | 95 | 20 | 10 |
| HB516 | 6 | 107 | - | 10 |

HANK PROTECTORS



| CODE | MATERIAL | PACK QTY |
|-------|------------------------------|----------|
| HA511 | PROTECTORS FOR HANKS 44-55MM | 100 |
| HA512 | PROTECTORS FOR HANKS 55-65MM | 100 |
| HA513 | PROTECTORS FOR HANKS 65-80MM | 100 |
| HA514 | PROTECTORS FOR HANKS 80-95MM | 100 |

WICHARD JIB HANK

- Wichard Jib hanks are easy to install
- Single handed operation
- Efficient use with no jamming of the system



| CODE | LENGTH | MAXIMUM FORESTAY | PACK QTY |
|-------|--------|------------------|----------|
| HB701 | 50MM | 7.5MM | 1 |
| HB702 | 55MM | 9MM | 1 |
| HB703 | 65MM | 11MM | 1 |

CLEWBOARD

CATAMARAN



| CODE | DESCRIPTION | LENGTH | THICKNESS | WIDTH |
|-------|------------------------|--------|-----------|-------|
| HB845 | CLEWBOARD CATAMARAN | 140MM | 1.6MM | 29MM |

CLEWBOARD

HOBIE, SOLING, F18



| CODE | DESCRIPTION | LENGTH | THICKNESS | WIDTH |
|-------|---------------------------------|--------|-----------|-------|
| HB847 | HEADBOARD HOBIE, SOLING, F18 | 203MM | 1.6MM | 38MM |

HEADBOARD



| CODE | DESCRIPTION | COLOUR | LENGTH | THICKNESS | WIDTH |
|-------|-------------|--------|--------|-----------|-------|
| HB909 | HEADBOARD | GOLD | 130MM | 1.6MM | 102MM |

HEADBOARD



| CODE | DESCRIPTION | COLOUR | LENGTH | THICKNESS | WIDTH |
|-------|-------------|--------|--------|-----------|-------|
| HB910 | HEADBOARD | GOLD | 146MM | 1.6MM | 115MM |

HEADBOARD



| CODE | DESCRIPTION | COLOUR | LENGTH | THICKNESS | WIDTH |
|-------|-------------|--------|--------|-----------|-------|
| HB912 | HEADBOARD | BLUE | 165MM | 3.2MM | 133MM |

HEADBOARD



| CODE | DESCRIPTION | COLOUR | LENGTH | THICKNESS | WIDTH |
|-------|-------------|--------|--------|-----------|-------|
| HB913 | HEADBOARD | GOLD | 195MM | 3.2MM | 153MM |

HEADBOARD



| CODE | DESCRIPTION | COLOUR | LENGTH | THICKNESS | WIDTH |
|-------|-------------|--------|--------|-----------|-------|
| HB914 | HEADBOARD | BLUE | 165MM | 1.6MM | 133MM |

DINGHY HEADBOARDS

PLASTIC

PRODUCT FEATURES

- Plastic headboards meet all major dinghy classes rules and are made from rigid nylon
- Suitable for a wide range of One Design classes
- Manufactured from a rigid grade nylon to give maximum leech support
- Use D037 liners and D331 rivets (5/32 inch)



HA043, HA044, HA049



HA048

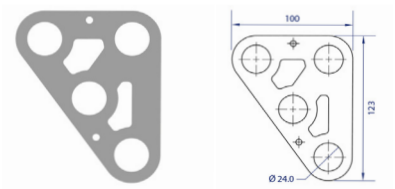
| CODE | WIDTH | LENGTH | COLOUR |
|-------|--------|--------|--------|
| HA043 | 75 MM | 100 MM | WHITE |
| HA044 | 100 MM | 115 MM | WHITE |
| HA048 | 145MM | 145MM | WHITE |
| HA049 | 115MM | 130MM | WHITE |

HEADBOARDS



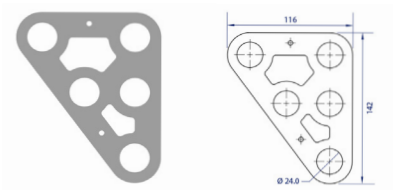
- Smart Design gives a strong headboard which is incredibly easy to fit
 - Designed to fit standard D039S/ D039N liners
 - Features heavy radius fillet on all edges - sail damage is substantially reduced
 - Hole layout allows for headboard to be used in a variety of orientations
- Marine grade alloy - 5083 BS EN 573 3.2009 - highly resistant to water
 - The liners complete the assembly making these fast, simple and easy to fit
 - Quick fitting thanks to pilot holes for temporary pins - no slipping, forcing or reworking
 - No riveting Required

HEADBOARD SMALL



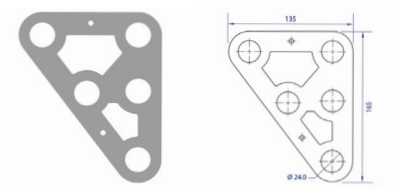
| CODE | MATERIAL | PLATE | LENGTH | WIDTH | WEIGHT | LUFF | AREA | LOA | SWL |
|----------|----------|-------|--------|-------|--------|------|------------------|------|--------|
| HBA912GY | 5083 | 2MM | 123MM | 100MM | 32G | 12M | 35M ² | 30FT | 750KG |
| HBA913GY | 5083 | 3MM | 123MM | 100MM | 48G | 14M | 48M ² | 35FT | 1050KG |

HEADBOARD SMALL MEDIUM



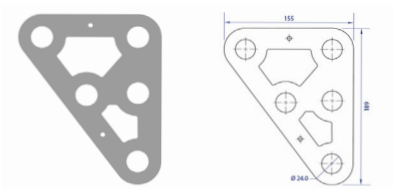
| CODE | MATERIAL | PLATE | LENGTH | WIDTH | WEIGHT | LUFF | AREA | LOA | SWL |
|----------|----------|-------|--------|-------|--------|------|------------------|------|--------|
| HBA922GY | 5083 | 2MM | 142MM | 116MM | 41G | 14M | 48M ² | 35FT | 830KG |
| HBA923GY | 5083 | 3MM | 142MM | 116MM | 61G | 16M | 62M ² | 40FT | 1200KG |

HEADBOARD MEDIUM



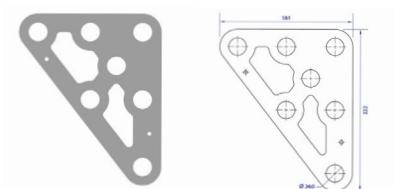
| CODE | MATERIAL | PLATE | LENGTH | WIDTH | WEIGHT | LUFF | AREA | LOA | SWL |
|----------|----------|-------|--------|-------|--------|------|------------------|--------|--------|
| HBA932GY | 5083 | 2MM | 165MM | 135MM | 54G | 14M | 48M ² | 42.5FT | 950KG |
| HBA933GY | 5083 | 3MM | 165MM | 135MM | 82G | 17M | 71M ² | 50FT | 1400KG |

HEADBOARD MEDIUM LARGE



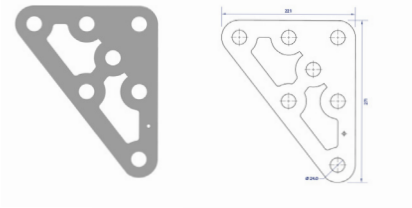
| CODE | MATERIAL | PLATE | LENGTH | WIDTH | WEIGHT | LUFF | AREA | LOA | SWL |
|----------|----------|-------|--------|-------|--------|------|-------------------|------|--------|
| HBA943GY | 5083 | 3MM | 189MM | 155MM | 114G | 20M | 98M ² | 50FT | 1300KG |
| HBA944GY | 5083 | 4MM | 189MM | 155MM | 152G | 23M | 129M ² | 56FT | 2400KG |

HEADBOARD LARGE



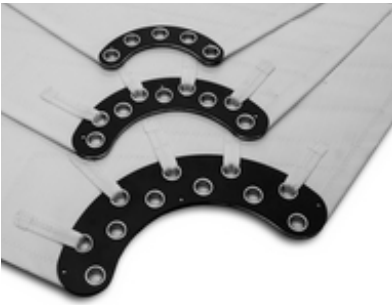
| CODE | MATERIAL | PLATE | LENGTH | WIDTH | WEIGHT | LUFF | AREA | LOA | SWL |
|----------|----------|-------|--------|-------|--------|------|-------------------|--------|--------|
| HBA953GY | 5083 | 3MM | 222MM | 181MM | 150G | 18M | 79M ² | 45FT | 1900KG |
| HBA954GY | 5083 | 4MM | 222MM | 181MM | 200G | 21M | 108M ² | 52.5FT | 2600KG |

HEADBOARD EXTRA LARGE



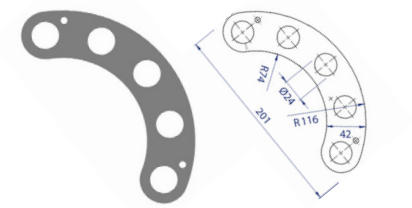
| CODE | MATERIAL | PLATE | LENGTH | WIDTH | WEIGHT | LUFF | AREA | LOA | SWL |
|----------|----------|-------|--------|-------|--------|------|-------------------|--------|--------|
| HBA963GY | 5083 | 3MM | 271MM | 221MM | 225G | 22M | 118M ² | 55FT | 2450KG |
| HBA964GY | 5083 | 4MM | 271MM | 221MM | 300G | 25M | 153M ² | 62.5FT | 3200KG |

CLEWBOARDS



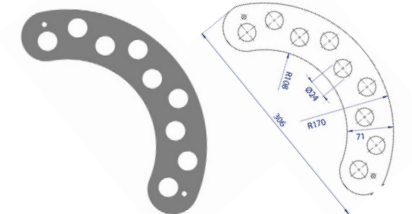
- New 'Strong Arc' Shape - stronger and allows integrated fit and appearance to the sail
- Filleted external edges - on both face and back of plate
- For larger sails clewboards can be layered
- Marine grade alloy - 5083 BS EN 573 3.2009 - highly resistant to sea water
- Designed to fit standard D039S/ D039N liners
- The liners complete the assembly making these fast, simple and easy to fit
- Quick fitting thanks to pilot holes for temporary pins - no slipping, forcing or reworking
- No riveting required

CLEWBOARD SMALL



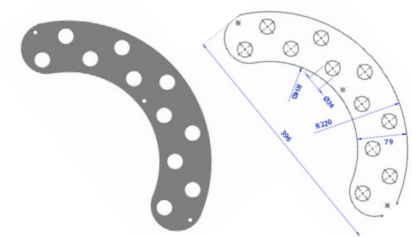
| CODE | MATERIAL | PLATE | LENGTH | WIDTH | WEIGHT | LUFF | AREA | LOA | SWL |
|----------|----------|-------|--------|-------|--------|------|------------------|------|--------|
| CBA813GY | 5083 | 3MM | 201MM | 42MM | 60G | 15M | 38M ² | 37FT | 1200KG |

CLEWBOARD MEDIUM



| CODE | MATERIAL | PLATE | LENGTH | WIDTH | WEIGHT | LUFF | AREA | LOA | SWL |
|----------|----------|-------|--------|-------|--------|------|------------------|------|--------|
| CBA833GY | 5083 | 3MM | 306MM | 71MM | 140G | 18M | 55M ² | 45FT | 1748KG |
| CBA834GY | 5083 | 4MM | 306MM | 71MM | 186G | 23M | 89M ² | 56FT | 2500KG |

CLEWBOARD LARGE

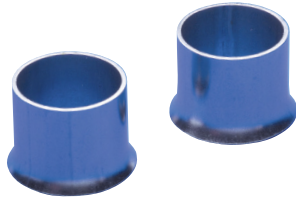


| CODE | MATERIAL | PLATE | LENGTH | WIDTH | WEIGHT | LUFF | AREA | LOA | SWL |
|----------|----------|-------|--------|-------|--------|------|-------------------|--------|--------|
| CBA853GY | 5083 | 3MM | 396MM | 79MM | 247G | 21M | 74M ² | 52FT | 1923KG |
| CBA854GY | 5083 | 4MM | 396MM | 79MM | 330G | 25M | 105M ² | 62.5FT | 2850KG |

HEADBOARD LINERS

PRODUCT FEATURES

- Manufactured from brass with nickel plated finish
- D039S manufactured from type 316 stainless steel



| CODE | DIAMETER | LENGTH | CLOSING TOOL | PACK QTY |
|--------|----------|--------|--------------|----------|
| HD037N | 16 MM | 16 MM | C321 | 50 |
| HD038N | 19MM | 19MM | C322 | 10 |
| HD039N | 22 MM | 19 MM | C323 | 50 |
| HD039S | 22 MM | 19 MM | C323 | 50 |

CLOSING TOOL FOR HEADBOARD LINER

PRODUCT FEATURES

- Use just the two piece closing tool for setting with hydraulic press
- Add the handle and set liners by hand with mallet
- 3 pieces sold complete



| CODE | USE WITH HEADBOARD LINERS |
|-------|---------------------------|
| HC321 | HD037N |
| HC322 | HD038N |
| HC323 | HD039N, HD039S |

SEMI-TUBULAR ALUMINIUM RIVETS

- Available only in full pack of 1000



| CODE | DIAMETER | LENGTH | CLOSING TOOL | HOLE PUNCH | PACK QTY |
|-------|----------|---------|--------------|------------|----------|
| HD332 | 3.2 MM | 9.5 MM | C324 | C101 | 1000 |
| HD333 | 3.2 MM | 12.7 MM | C324 | C101 | 1000 |
| HD331 | 3.9 MM | 9.5 MM | C325 | C102 | 1000 |
| HD334 | 3.9 MM | 12.7 MM | C325 | C102 | 1000 |
| HD335 | 4.8 MM | 9.5 MM | C326 | C103 | 1000 |
| HD336 | 4.2MM | 12.5MM | C326 | C103 | 1000 |
| HD337 | 4.8 MM | 12.7 MM | C326 | C103 | 1000 |
| HD339 | 4.8 MM | 15.9 MM | C326 | C103 | 1000 |

CLOSING TOOLS FOR SEMI TUBULAR RIVETS

PRODUCT FEATURES

- For best results hit closing tools with a rawhide mallet against a steel or aluminium plate. Do not use steel head hammer or mallet



| CODE | USE FOR |
|-------|----------------------------|
| HC324 | HD332, HD333 |
| HC325 | HD331, HD334 |
| HC326 | HD335, HD336, HD337, HD339 |

LEECHLINE CLEATS

The Clamcleat principle is simple. A rigid 'V' groove holds rope firmly, yet is devoid of any moving parts to break or seize. It allows the immediate release of rope by a short downward pull. Always tension the rope before it enters the cleat to avoid damage to the cleat.

CLAMCLEAT WHITE

PRODUCT FEATURES

- HB057 and HB067 are manufactured from marine grade aluminium alloy, others from nylon
- C331 rivet closing tool available against special order



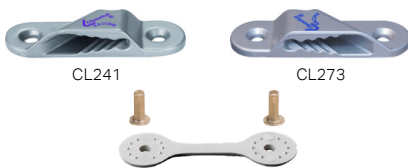
| CODE | CLAMCLEAT | DETAILS | LEECHLINE SIZE | PACK QTY |
|---------|------------------------------|-----------------|----------------|----------|
| HA057 | CL212 | STARBOARD WHITE | 2-5 MM | 100 |
| HA067 | CL214W | PORT WHITE | 2-5 MM | 100 |
| HA057BP | BACKPLATE FOR CL212 & CL214W | | | 100 |

CLAMCLEAT BLACK



| CODE | CLAMCLEAT | DETAILS | LEECHLINE SIZE | PACK QTY |
|----------|-----------------------------|-----------------|----------------|----------|
| HA057ABK | CL213 | STARBOARD BLACK | 2-5 MM | 100 |
| HA067ABK | CL214 | PORT BLACK | 2-5 MM | 100 |
| HA057ABP | BACKPLATE FOR CL213 & CL214 | | | 100 |

CLAMCLEAT SILVER



| CODE | CLAMCLEAT | DETAILS | LEECHLINE SIZE | PACK QTY |
|---------|-----------------------------|------------------|----------------|----------|
| HB301 | CL241 | PORT SILVER | 2-5 MM | 100 |
| HB302 | CL273 | STARBOARD SILVER | 2-5 MM | 100 |
| HA057BP | BACKPLATE FOR CL241 & CL273 | | | 100 |

CLAMCLEAT METAL



| CODE | CLAMCLEAT | DETAILS | LEECHLINE SIZE | PACK QTY |
|---------|-----------------------------|-----------------|----------------|----------|
| HB057 | CL258 | STARBOARD METAL | 2-5 MM | 100 |
| HB067 | CL259 | PORT METAL | 2-5 MM | 100 |
| HA057BP | BACKPLATE FOR CL258 & CL259 | | | 100 |

CLAMCLEAT DINGHY



| CODE | CLAMCLEAT | DETAILS | LEECHLINE SIZE | PACK QTY |
|-------|-----------|---|----------------|----------|
| HA056 | CL221 | COMPLETE WITH CLEAT, BACKPLATE & RIVETS | 0-3 MM | 100 |

CLAMCLEAT SAIL LINE



| CODE | CLAMCLEAT | DETAILS | LEECHLINE SIZE | PACK QTY |
|---------|---------------------|-----------------|----------------|----------|
| HA063A | CL233 | STARBOARD METAL | 2-6 MM | 100 |
| HA063BP | BACKPLATE FOR CL233 | | | 100 |

CLAMCLEAT JUNIOR



| CODE | CLAMCLEAT | DETAILS | LEECHLINE SIZE | PACK QTY |
|-------|-----------|------------------|----------------|----------|
| HA064 | CL203 | CLAMCLEAT JUNIOR | 3-6 MM | 100 |

CLAMCLEAT FENDER

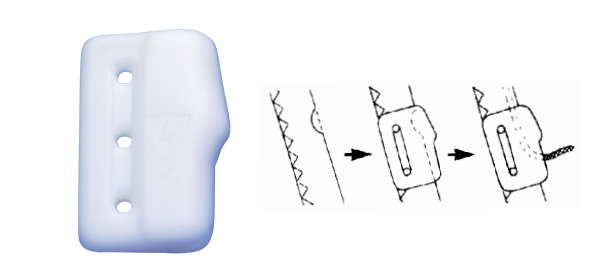


| CODE | CLAMCLEAT | DETAILS | LEECHLINE SIZE | PACK QTY |
|---------|-----------|-------------------------------|----------------|----------|
| HA083BK | CL234 | FENDER LARGE LOOP NYLON BLACK | 6-11 MM | 100 |

GRANSEGEL CLEATS

Alternative to the popular Clamcleat leechline cleats, the Gransegel design has the unique feature of fitting compactly round the sail leech.

- Compact and lightweight fitting
- Cut an oval hole in the fold. No reinforcements needed
- Mount the cleat over the hole (make sure not to mount it too "high")
- Secure with a few laps of handstitching or rivets



| CODE | LENGTH | LEECHLINE | PACK QTY |
|-------|--------|--------------|----------|
| HA054 | 29 MM | 1.5 - 2.0 MM | 100 |
| HA055 | 44 MM | 1.5 - 4.0 MM | 100 |
| HA059 | 58 MM | 2.0 - 4.0 MM | 50 |

ENDEAVOUR RINGS

- Endeavour rings are specifically designed for the sail making & PVC structure industry.
- Produced from 316L stainless steel the endeavour ring is a product designed for maximum strength and durability offering superior holding power.



| CODE | SIZE | HOLE PUNCH DIAMETER | PRESS FORCE ON DIES | BOX SIZE (PIECES) |
|------|------|---------------------|---------------------|-------------------|
| ER10 | 10MM | 11MM | 2T | 100 |
| ER12 | 12MM | 13MM | 4T | 60 |
| ER14 | 14MM | 15MM | 5T | 50 |
| ER17 | 17MM | 18MM | 8T | 50 |
| ER20 | 20MM | 22MM | 13T | 60 |
| ER25 | 25MM | 28MM | 15T | 45 |
| ER30 | 30MM | 32MM | 17.5T | 30 |
| ER35 | 35MM | 38MM | 22T | 25 |

ENDEAVOUR DIES



| CODE | SIZE |
|----------|---------------------------------|
| ENDDIE10 | 10MM ENDEAVOUR DIE SETTING TOOL |
| ENDDIE12 | 12MM ENDEAVOUR DIE SETTING TOOL |
| ENDDIE14 | 14MM ENDEAVOUR DIE SETTING TOOL |
| ENDDIE17 | 17MM ENDEAVOUR DIE SETTING TOOL |
| ENDDIE20 | 20MM ENDEAVOUR DIE SETTING TOOL |
| ENDDIE25 | 25MM ENDEAVOUR DIE SETTING TOOL |
| ENDDIE30 | 30MM ENDEAVOUR DIE SETTING TOOL |
| ENDDIE35 | 35MM ENDEAVOUR DIE SETTING TOOL |

SETTING INOX RINGS

| CODE | CLOTH BUILD UP THICKNESS | HOLE PUNCH SIZE | HOLE PUNCH PART NO. | CLOSING TOOL PART NO. | SUGGESTED CLOSING FORCE TONNES | HOLE SIZE WHEN SET |
|-------|--------------------------|-----------------|---------------------|-----------------------|--------------------------------|--------------------|
| HD207 | 0.6MM | 15.9MM 5⁄8" | C156 | C407 | 6-8 | 12MM 1⁄2" |
| HD209 | 1.6MM | 19.0MM 3⁄4" | C157 | C409 | 9-11 | 15MM 5⁄8" |

- The design build-up will allow the maximum strength of the ring to be developed. In lighter sails, it is not imperative to use this design thickness
- Inox rings should always be set on the correct tools
- Damage to the dies can be caused by excessive pressure. Always start with the pressure valve unloaded and build up from zero to the desired pressure. Can be bolted to a bench (recommended for maximum use)
- Tools should be polished if wear becomes evident. Light lubrication of the working faces is recommended
- Rings must be closed with the pinned section and liner facing up in the base of the closing tool
- Surrounding cloth should be supported while ring is being closed

OUTHAUL SLUG SIDE ATTACHMENTS



- Type 316 stainless steel strap provides ultra-high strength attachment to Inox rings
- Minimum offset permits ring to be very low in the sail
- Low friction injection moulded slide with encapsulated bail

| CODE | TO BE USED WITH | DIAMETER (MM/IN) | PACK QTY |
|--------|-----------------|------------------|----------|
| HB2075 | D207 | 7.9 5⁄16 | 25 |
| HB2076 | D207 | 9.3 3⁄8 | 25 |
| HB2095 | D209 | 7.9 5⁄16 | 25 |
| HB2096 | D209 | 10.0 7⁄16 | 25 |

INOX PRESSED RINGS



- The Bainbridge International Inox Ring System has been in constant worldwide use by top sailmakers for many years because it offers high strength and corrosion resistance with ease of setting and a range of attachments to simplify and enhance sail attachment points. Inox rings should always be set on the correct tools
- When set, the pins are locked through the sailcloth and into the opposite face of the ring providing DOUBLE SHEAR strength
- Manufactured from type 316 stainless steel, and injection moulded nylon
- Liners and pins are passivated to reduce risk of staining
- Liners are seamless for maximum strength
- Range of colours to permit the use of house colours and sail identification
- Finely pointed pins penetrate between the sailcloth fibres and do not cut the fabric
- Nylon ring gives chafe-free contact with sailcloth
- Excellent internal profile for attachment of sheets. Often used as Cunningham

| CODE | SET HOLE DIAMETER | COLOUR | PACK QTY |
|--------|-------------------|--------|----------|
| HD207B | 12MM 1⁄2" | BLACK | 50 |
| HD209B | 15MM 5⁄8" | BLACK | 50 |

CLOSING TOOLS FOR INOX RINGS



- These tools are suitable for most presses. All except C408 can be used with Enerpac-Nautilus pull down presses by pushing out the centre post

| CODE | USE TOOL FOR |
|-------|--------------|
| HC407 | D207 |
| HC409 | D209 |

STIMPSON
SPUR-TOOTHED
GROMMETS

NICKEL PLATED FINISH



- The higher strength of these spur-toothed grommets derives from their thicker metal gauge and flange closing
- Available only in full packs of 144 = 1 gross

| CODE | SIZE | SET HOLE DIAMETER | PACK QUANTITY |
|---------|------|-------------------|---------------|
| HD003NS | 0 | 6.4MM ¼" | 144 |
| HD004NS | 1 | 9.5MM ⅜" | 144 |
| HD005NS | 2 | 10.3MM ⅜" | 144 |
| HD006NS | 3 | 11.1MM ⅞" | 144 |
| HD007NS | 4 | 14.2MM ⅞" | 144 |
| HD008NS | 5 | 15.0MM ⅞" | 144 |
| HD009NS | 6 | 17.4MM ⅞" | 144 |

ENGLISH GROMMETS SET

NICKEL PLATED FINISH



- Low cost, roll-rim, spur toothed grommets suitable for a wide range of applications in sailmaking and cover work

| CODE | SIZE | SET HOLE DIAMETER | PACK QTY | HOLE PUNCH | CLOSING TOOL | HOLE PUNCH DIAMETER |
|---------|------|--------------------|----------|------------|--------------|---------------------|
| HD001NH | 000 | 5.1MM 20 1/1000" | 200 | C105 | C105 | 6.3MM |
| HD002NH | 00 | 6.4MM ¼" | 1000 | C105 | C302 | 7.9MM |

SPUR GROMMET
DIE SETS

LOW COST



Male sits higher on base. This gap prevents teeth on spur grommets from getting crushed when set.

| CODE | SIZE | SET HOLE DIAMETER |
|--------|------|-------------------|
| HC303O | 0 | 6.4MM ¼" |
| HC304O | 1 | 9.5MM ⅜" |
| HC305O | 2 | 10.3MM ⅜" |
| HC306O | 3 | 11.1MM ⅞" |
| HC307O | 4 | 14.2MM ⅞" |
| HC308O | 5 | 15.0MM ⅞" |
| HC309O | 6 | 17.4MM ⅞" |

CLOSING TOOLS

FOR STIMPSON GROMMETS



- Stimpson Grommets cannot be used with English Grommet tools
- Stimpson tools are machined steel case hardened dies
- Low-cost tools are drop forged steel dies

| CODE | LOW COST PART NO | SIZE |
|--------|------------------|------|
| HC303S | HC303O | 0 |
| HC304S | HC304O | 1 |
| HC305S | HC305O | 2 |
| HC306S | HC306O | 3 |
| HC307S | HC307O | 4 |
| HC308S | HC308O | 5 |
| HC309S | HC309O | 6 |

STAINLESS STEEL RINGS

- High grade stainless steel
- TIG welded
- Small diameter rings with the same size bar diameter will deform at a higher load although both will have similar tensile strength

ROUND RINGS



| CODE | DESCRIPTION | BAR DIAMETER |
|---------|----------------------------------|--------------|
| QCD1503 | RND RING WELDED 316S/S 15 X 3MM | 3MM |
| QCD2003 | RND RING WELDED 316S/S 20 X 3MM | 3MM |
| QCD2004 | RND RING WELDED 316S/S 20 X 4MM | 4MM |
| QCD2005 | RND RING WELDED 316S/S 20 X 5MM | 5MM |
| QCD2505 | RND RING WELDED 316S/S 25 X 5MM | 5MM |
| QCD2506 | RND RING WELDED 316S/S 25 X 6MM | 6MM |
| QCD2806 | RND RING WELDED 316S/S 28 X 6MM | 6MM |
| QCD3005 | RND RING WELDED 316S/S 30 X 5MM | 5MM |
| QCD3006 | RND RING WELDED 316S/S 30 X 6MM | 6MM |
| QCD3008 | RND RING WELDED 316S/S 30 X 8MM | 8MM |
| QCD3806 | RND RING WELDED 316S/S 38 X 6MM | 6MM |
| QCD3808 | RND RING WELDED 316S/S 38 X 8MM | 8MM |
| QCD4510 | RND RING WELDED 316S/S 45 X 10MM | 10MM |
| QCD5006 | RND RING WELDED 316S/S 50 X 6MM | 6MM |
| QCD5008 | RND RING WELDED 316S/S 50 X 8MM | 8MM |
| QCD5010 | RND RING WELDED 316S/S 50 X 10MM | 10MM |
| QCD5012 | RND RING WELDED 316S/S 50 X 12MM | 12MM |

“D” RINGS



- High grade stainless steel
- TIG welded

| CODE | DESCRIPTION | BAR DIAMETER |
|------------|---------------------------------|--------------|
| QCDDR2504 | D RING WELDED 316S/S 25 X 4MM | 4MM |
| QCDDR2505 | D RING WELDED 304S/S 25 X 5MM | 5MM |
| QCDDR3806 | D RING WELDED 304S/S 38 X 6MM | 6MM |
| QCDDR5005 | D RING WELDED 316S/S 50 X 5MM | 5MM |
| QCDDR5006 | D RING WELDED 316S/S 50 X 6MM | 6MM |
| QCDDR50065 | D RING WELDED 316S/S 50 X 6.5MM | 6.5MM |
| QCDDR5008 | D RING WELDED 316S/S 50 X 8MM | 8MM |

ROUND RING WITH BAR



- High grade stainless steel
- TIG welded
- Reinforcing bar reduces potential distortion under high load

| CODE | DESCRIPTION | BAR DIAMETER |
|------------|--------------------------------------|--------------|
| QCD300606B | RND RING 316S/S 30 X 6 WITH 6MM BAR | 6MM |
| QCD300806B | RND RING 316S/S 30 X 8 WITH 6MM BAR | 6MM |
| QCD380606B | RND RING 316S/S 38 X 6 WITH 6MM BAR | 6MM |
| QCD380806B | RND RING 316S/S 38 X 8 WITH 6MM BAR | 6MM |
| QCD500806B | RND RING 316S/S 50 X 8 WITH 6MM BAR | 6MM |
| QCD501008B | RND RING 316S/S 50 X 10 WITH 8MM BAR | 8MM |

TRI RING WELDED



| CODE | DESCRIPTION |
|-----------|--------------------------------------|
| QCDTR4006 | TRI RING WELDED 316S/S 40MM X 6MM |
| QCDTR4406 | TRI RING WELDED 316S/S 44 X 36 X 6MM |
| QCDTR5006 | TRI RING WELDED 316S/S 50MM X 6MM |
| QCDTR5008 | TRI RING WELDED 316S/S 50MM X 8MM |

“D” RING WELDED



| CODE | SET HOLE DIA (MM/IN) |
|------------|--|
| QCDDR2505B | D RING WELDED 304S/S 25 X 5MM WITH BAR |

STAINLESS STEEL WELDED HARDWARE

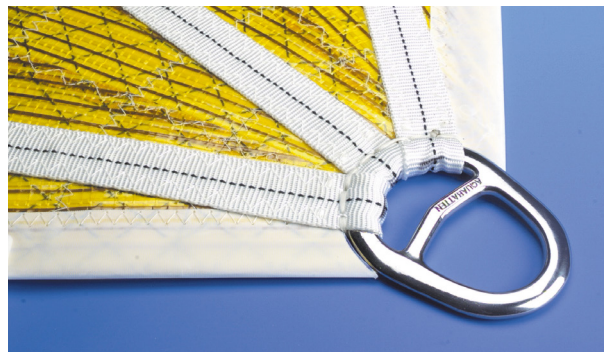
All Bainbridge International welded stainless steel fittings are manufactured from high grade stainless steel, which is chemically cleaned and passivated after welding to reduce the risk of staining. TIG welding maximises strength.

MAXI RING ROUND

| CODE | DESCRIPTION |
|-------|---|
| HB225 | STAINLESS STEEL RING 51 X 11MM |
| HB229 | STAINLESS STEEL RING 40 X 9 WELDED (NO BAR) |

MAXI RING WITH BAR

| CODE | DESCRIPTION |
|--------|---|
| HB218B | STAINLESS STEEL RING WITH BAR 75 X 15 |
| HB225B | STAINLESS STEEL RING WITH BAR 51 X 11.1 |
| HB226B | STAINLESS STEEL RING WITH BAR 63 X 12.5 |
| HB229B | STAINLESS STEEL RING WITH BAR 38 X 10 |

CAST 17-4 STAINLESS STEEL ELLIPTICAL RINGS

- Unique computer design combined with high performance cast 17-4 stainless steel construction makes these sail rings lighter and stronger than comparable conventional welded rings. Easily webbed to the sail they are ideal for head and clew applications in mainsails, headsails and spinnakers
- Lighter and stronger than conventional equivalent welded rings
- Cast construction eliminates weld weak point
- Made from 17-4 stainless steel, higher SWL than type 316
- Easy to web to sail
- Can accommodate multiple sheets during sail or sheet point changes

| CODE | LOW COST PART NO |
|------|---|
| B248 | CAST S/S ELLIPTICAL RING 74 X 58MM 2000KG C303C |
| B250 | CAST S/S ELLIPTICAL RING 92 X 72MM 3000KG C304C |

POLYESTER SAILCLOTH TAPE

- Other weights/widths can be supplied
- Roll lengths are 100 metres nominal
- Available only on full rolls
- Can be supplied folded against special order



| CODE | WEIGHT | WIDTH |
|----------|-------------------|-------------------------------|
| T40/100 | 4 US OZ POLYESTER | 25MM 1" |
| T40/125 | 4 US OZ POLYESTER | 31MM 1 ¼" |
| T40/175 | 4 US OZ POLYESTER | 40MM 1 ¾" |
| T40/200 | 4 US OZ POLYESTER | 50MM 2" |
| T40/250 | 4 US OZ POLYESTER | 63MM 2 ½" |
| T40/300 | 4 US OZ POLYESTER | 75MM 3" |
| T50/200 | 5 US OZ POLYESTER | 50MM 2" |
| T50/250 | 5 US OZ POLYESTER | 63MM 2 ½" |
| T50/300 | 5 US OZ POLYESTER | 75MM 3" |
| T50/400 | 5 US OZ POLYESTER | 100MM 4" |
| T50/475 | 5 US OZ POLYESTER | 120MM 4 ¾" |
| T60/250 | 6 US OZ POLYESTER | 63MM 2 ½" |
| T60/300 | 6 US OZ POLYESTER | 75MM 3" |
| T60/400 | 6 US OZ POLYESTER | 100MM 4" |
| T60/475 | 6 US OZ POLYESTER | 120MM 4 ¾" |
| T60/500 | 6 US OZ POLYESTER | 125MM 5" |
| T60/600 | 7 US OZ POLYESTER | 150MM 6" |
| T70/250 | 7 US OZ POLYESTER | 63MM 2 ½" |
| T70/300 | 7 US OZ POLYESTER | 75MM 3" |
| T70/400 | 7 US OZ POLYESTER | 100MM 4" |
| T70/500 | 7 US OZ POLYESTER | 125MM 5" |
| T70/600 | 7 US OZ POLYESTER | 150MM 6" |
| T70/700 | 7 US OZ POLYESTER | 175MM 7" |
| T80/300 | 8 US OZ POLYESTER | 75MM 3" |
| T80/400 | 8 US OZ POLYESTER | 100MM 4" |
| T80/500 | 8 US OZ POLYESTER | 125MM 5" |
| T80/600 | 8 US OZ POLYESTER | 150MM 6" |
| T80/700 | 8 US OZ POLYESTER | 175MM 7" |
| T80/800 | 8 US OZ POLYESTER | 200MM 8" |
| T80/900 | 8 US OZ POLYESTER | 225MM 9" |
| T80/1000 | 8 US OZ POLYESTER | 250MM 10" |
| T80/1100 | 8 US OZ POLYESTER | 270MM 11" |
| T80/1200 | 8 US OZ POLYESTER | 300MM 12" MOQ INDENT |

4OZ POLYESTER SAILCLOTH TAPE COLOURED

- Hot slit to seal the edges
- Roll lengths are 100 metres nominal



| CODE | WEIGHT | WIDTH | COLOUR |
|-----------|-------------------|-------|--------|
| F39/100BK | 4 US OZ POLYESTER | 25MM | BLACK |
| F39/100BU | 4 US OZ POLYESTER | 25MM | BLUE |
| F39/100GR | 4 US OZ POLYESTER | 25MM | GREEN |
| F39/100RD | 4 US OZ POLYESTER | 25MM | RED |
| F39/200BU | 4 US OZ POLYESTER | 50MM | BLUE |
| F39/200GR | 4 US OZ POLYESTER | 50MM | GREEN |
| F39/200RD | 4 US OZ POLYESTER | 50MM | RED |
| F39/300BK | 4 US OZ POLYESTER | 75MM | BLACK |
| F39/300BU | 4 US OZ POLYESTER | 75MM | BLUE |
| F39/400BL | 4 US OZ POLYESTER | 100MM | BLUE |

GREY SAILCLOTH TAPE POLYESTER



| CODE | WEIGHT | WIDTH | ROLL LENGTH |
|----------|-------------------|-------|-------------|
| S60060GY | 6 US OZ POLYESTER | 60MM | 100M |
| S70070GY | 7 US OZ POLYESTER | 70MM | 100M |
| S70080GY | 7 US OZ POLYESTER | 80MM | 100M |
| S70100GY | 7 US OZ POLYESTER | 100MM | 100M |

BLACK SAILCLOTH TAPE

TEFLON TAPE

POLYESTER



| CODE | WEIGHT | WIDTH | ROLL LENGTH |
|----------|---------------------|-------|-------------|
| S60050BK | 6.0 US OZ POLYESTER | 60MM | 100M |
| S60070BK | 6.0 US OZ POLYESTER | 70MM | 100M |
| S60080BK | 6.0 US OZ POLYESTER | 80MM | 100M |
| S60100BK | 6.0 US OZ POLYESTER | 100MM | 100M |
| S60125BK | 6.0 US OZ POLYESTER | 125MM | 100M |
| S60175BK | 6.0 US OZ POLYESTER | 175MM | 100M |
| S70075BK | 7.0 US OZ POLYESTER | 75MM | 100M |
| S70100BK | 7.0 US OZ POLYESTER | 100MM | 100M |
| S70125BK | 7.0 US OZ POLYESTER | 125MM | 100M |

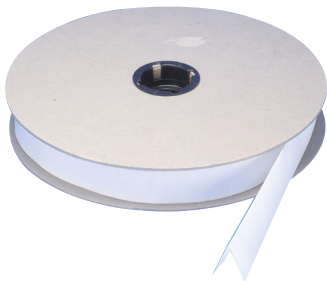
- Teflon yarns are woven into fabric to reduce friction when used in the manufacture of luff tapes
- All rolls are approximately 137m/150 yards
- Available only on full rolls



| CODE | WEIGHT (GSM/SOZ) | WIDTH (MM) |
|------------|------------------|------------|
| HF80/500TF | 343-8 | 125 |

FOLDED TAPE

- Pre-folded slit tape can be prepared from most polyester or nylon slit tapes
- The folded tapes are placed on special reels to facilitate easy storage and handling



| CODE | WEIGHT | WIDTH |
|-----------|-------------------|-------------|
| T40/200F | 4 US OZ POLYESTER | 50MM 2" |
| T50/250F | 5 US OZ POLYESTER | 63MM 1 ½" |
| T60/250F | 6 US OZ POLYESTER | 63MM 1 ½" |
| T60/300F | 6 US OZ POLYESTER | 75MM 3" |
| T70/4000F | 7 US OZ POLYESTER | 100MM 4" |
| T70/500F | 7 US OZ POLYESTER | 125MM 5" |
| T80/500F | 8 US OZ POLYESTER | 125MM 5" |
| T80/600F | 8 US OZ POLYESTER | 150MM 6" |
| T80/800F | 8 US OZ POLYESTER | 200MM 8" |

SAIL REPAIR TAPE

NYLON

- Available only on full rolls



| CODE | ROLL WIDTH | ROLL LENGTH | COLOUR |
|---------|------------|-------------|----------|
| HJ601RD | 50MM | 7.6M | RED |
| HJ601GD | 50MM | 7.6M | GOLD |
| HJ601GR | 50MM | 7.6M | GREEN |
| HJ601BU | 50MM | 7.6M | BLUE |
| HJ601BK | 50MM | 7.6M | BLACK |
| HJ601WT | 50MM | 7.6M | WHITE |
| HJ601HP | 50MM | 7.6M | HOT PINK |
| HJ601SR | 50MM | 7.6M | SILVER |

CAMBER TAPE/DRAFT STRIPE

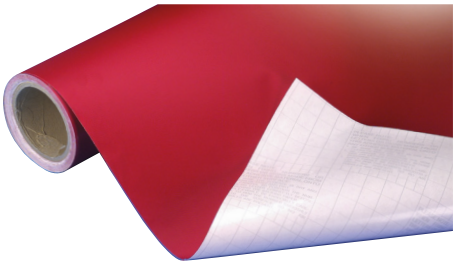
- Insignia cloth with an aggressive adhesive and release paper
- These tapes are placed approximately parallel to the horizon on racing mainsails and genoas to make a contrasting line to help determine the components of the sail shape
- Available only on full rolls
- Other widths available on request



| CODE | MATERIAL | TAPE WIDTH | ROLL LENGTH | COLOUR |
|-----------|-----------|------------|-------------|--------|
| HJ025BLK | POLYESTER | 25MM | 46M | BLACK |
| HJ025BLUE | POLYESTER | 25MM | 46M | BLUE |
| HJ025GREE | POLYESTER | 25MM | 46M | GREEN |
| HJ025RED | POLYESTER | 25MM | 46M | RED |
| HJ025WT | POLYESTER | 25MM | 46M | WHITE |
| HJ050BLK | POLYESTER | 50MM | 46M | BLACK |
| HJ050BLUE | POLYESTER | 50MM | 46M | BLUE |
| HJ050GREE | POLYESTER | 50MM | 46M | GREEN |
| HJ050RED | POLYESTER | 50MM | 46M | RED |
| HJ050WT | POLYESTER | 50MM | 46M | WHITE |
| HJ075BLK | POLYESTER | 75MM | 46M | BLACK |
| HJ075BLUE | POLYESTER | 75MM | 46M | BLUE |
| HJ075GREE | POLYESTER | 75MM | 46M | GREEN |
| HJ075RED | POLYESTER | 75MM | 46M | RED |
| HJ075WT | POLYESTER | 75MM | 46M | WHITE |
| HJ100BLK | POLYESTER | 100MM | 46M | BLACK |
| HJ100BLUE | POLYESTER | 100MM | 46M | BLUE |
| HJ100GREE | POLYESTER | 100MM | 46M | GREEN |
| HJ100RED | POLYESTER | 100MM | 46M | RED |
| HJ100WT | POLYESTER | 100MM | 46M | WHITE |
| HJ125BLK | POLYESTER | 125MM | 46M | BLACK |
| HJ125BLUE | POLYESTER | 125MM | 46M | BLUE |
| HJ125RED | POLYESTER | 125MM | 46M | RED |
| HJ125WT | POLYESTER | 125MM | 46M | WHITE |
| HJ150WT | POLYESTER | 150MM | 46M | WHITE |
| HJ175WT | POLYESTER | 175MM | 46M | WHITE |
| HJ200WT | POLYESTER | 200MM | 46M | WHITE |

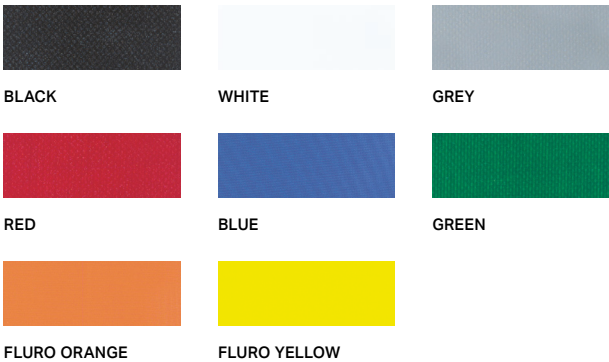
POLYESTER INSIGNIA CLOTH

- Standard style
- Has grid on release liner
- Cut lengths available



| CODE | ROLL WIDTH | ROLL LENGTH | COLOUR |
|---------|------------|-------------|--------------|
| HJ510BK | 1370MM | 45.7M | BLACK |
| HJ510BU | 1370MM | 45.7M | BLUE |
| HJ510GR | 1370MM | 45.7M | GREEN |
| HJ510RD | 1370MM | 45.7M | RED |
| HJ510WT | 1370MM | 45.7M | WHITE |
| HJ510GY | 1370MM | 45.7M | GREY |
| HJ510OR | 1370MM | 45.7M | FLURO ORANGE |
| HJ510FY | 1370MM | 45.7M | FLURO YELLOW |

COLOUR AVAILABILITY



SNAP HOOK

RECTANGLE EYE

PRODUCT FEATURES

- Stainless steel snap hooks are all purpose hooks used in many applications where loads are relatively low
- Ideal for use with 25.4mm/1 inch webbing

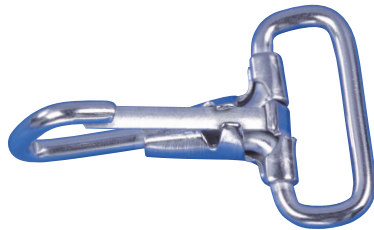


| CODE | MATERIAL | LENGTH | INSIDE EYE DIAMETER | PACK QTY |
|--------|--------------------|--------|---------------------|----------|
| HB617S | STAINLESS STEEL | 50MM | 25.4 MM | 50 |

SNAP HOOK

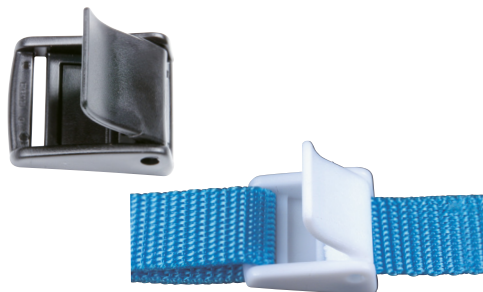
RECTANGLE EYE

- G200S has rectangular eye for webbing



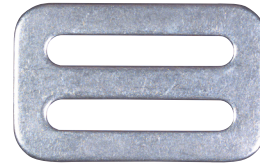
| CODE | MATERIAL | LENGTH | INSIDE EYE | PACK QTY |
|-------|-----------------|--------|------------|----------|
| G200S | STAINLESS STEEL | 50MM | 25MM | 100 |

CAM BUCKLES



| CODE | FOR WEBBING | MATERIAL | PACK QTY |
|--------------|-------------|--------------|----------|
| 380-1093-PIC | 25MM | BLACK NYLON | 100 |
| A0701WT | 20MM | WHITE ACETAL | 100 |
| A0702WT | 25MM | WHITE ACETAL | 100 |

ADJUSTER BUCKLES



| CODE | FOR WEBBING | MATERIAL | PACK QTY |
|-------|-------------|-----------------|----------|
| G210S | 25MM | STAINLESS STEEL | 100 |

SLIDING BAR BUCKLES



| CODE | FOR WEBBING | MATERIAL | PACK QTY |
|-------|-------------|-----------------------|----------|
| G221 | 25MM | STAINLESS STEEL/NYLON | 10 |
| G221S | 25MM | STAINLESS STEEL | 10 |
| G222S | 50MM | STAINLESS STEEL | 10 |

YKK CENTRE RELEASE BUCKLE

BLACK 2 PART PLUG & SOCKET

PRODUCT FEATURES

- Easy to use push button release buckle
- Uses include one design jib hanks



| CODE | MATERIAL | FOR WEBBING | PACK QTY |
|-------|----------|-------------|----------|
| HA084 | ACETAL | 10MM | 100 |

SEAMING TAPE

SEAMING TAPES

Bainbridge International stocks many styles of double sided adhesive tapes for holding components such as panels and patches in place before sewing. The tapes offered vary in type and degree of adhesion as well as carrier and component construction.

ACRYLIC ADHESIVES

- Generally the softer the adhesive the higher the initial tack but the weaker the long term bond. Compared with rubber based products acrylic adhesives feature lower initial tack but better long term bond. They also do not turn yellow in UV light making them ideal for general seaming applications

CARRIERS

- Tapes are offered using either Mylar, tissue or fabric carriers. Tissue products are easier to apply as they tear easily. Mylar carriers are more stable and so do not stretch and shrink back like tissue products. Fabric carriers are recommended for lightweight film/film laminate sails where the strength of the carrier helps to prevent stitching pulling through the sailcloth.

RUBBER OR ACRYLIC ADHESIVE? WHICH WILL BEST MEET THE DEMANDS OF YOUR APPLICATION?

RUBBER ADHESIVES

- High initial adhesion
- Some adhesion build up
- Good shear strength
- Moderate temperature resistant
- Fair UV resistance
- Moderate age life

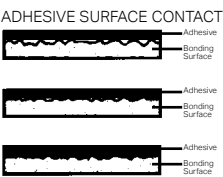
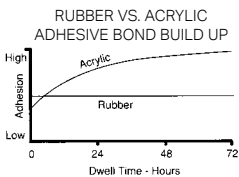
ACRYLIC ADHESIVES

- Fair initial adhesion
- Gradual adhesion build up
- High shear strength
- High temperature resistant
- Excellent UV resistance
- Excellent age life
- Excellent solvent resistance

SURFACE CONTACT

This is fundamental to adhesive performance. To maximize contact on a substrate:

- It must be unified, dry and free of contaminants
- Firm pressure must be applied to increase the cold flow and contact of the adhesive with the substrate
- Time and temperature will increase the surface contact and adhesion values



CAUTION

Always test the adhesive bond strength for your material and applications.

SUPER TACK SEAMING TAPE

RUBBER BASED ADHESIVE

- Ultra-high tack
- **Carrier:** fabric scrim



| CODE | WIDTH | ROLL LENGTH | PACK QTY ROLLS |
|-------|-------|-------------|----------------|
| HJ472 | 9MM | 32.9M | 128 |

KIKUSUI HIGH ADHESION DOUBLE SIDED SEAMING TAPE

ACRYLIC BASED ADHESIVE
TISSUE CARRIER

- Outstanding adhesion to all types of sailcloth making this tape ideal for seaming applications
- **Adhesion** > 1.35kg/25mm
- Excellent initial tack
- High long term adhesion
- Hand tearable tissue carrier
- UV Inhibitors
- Non yellowing
- **Uses:** Sails and Docril



| CODE | WIDTH | ROLL LENGTH | PACK QTY ROLLS |
|-------|-------|-------------|----------------|
| HJ441 | 6MM | 55M | 96 |
| HJ442 | 9MM | 55M | 64 |
| HJ443 | 12MM | 55M | 48 |
| HJ444 | 15MM | 55M | 36 |
| HJ445 | 19MM | 55M | 32 |
| HJ446 | 25MM | 55M | 24 |
| HJ447 | 50MM | 55M | 24 |

CAPTAIN DOUBLE SIDED TAPE

- Low tack
- **Carrier:** Fabric



| CODE | WIDTH | ROLL LENGTH |
|-----------|-------|-------------|
| DST12/402 | 12MM | 50M |

DOUBLE SIDED TAPE POLYESTER CARRIER

- Low tack
- **Carrier:** Polyester



| CODE | WIDTH | ROLL LENGTH |
|-------|-------|-------------|
| HJ433 | 12MM | 50M |

DOUBLE SIDED TAPE FABRIC BASED

- Low tack
- **Carrier:** Fabric
- **Adhesion** > 71.5kg/25mm



| CODE | WIDTH | ROLL LENGTH |
|-------|-------|-------------|
| HJ080 | 12MM | 45.7M |
| HJ082 | 25MM | 45.7M |

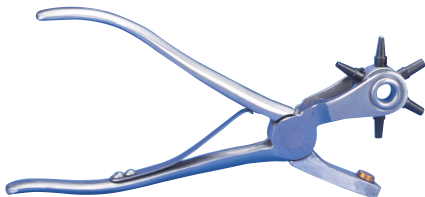
CAPTAIN DOUBLE SIDED TAPE

- Low tack
- **Carrier:** Tissue
- **Adhesion** > 1.1kg/25mm



| CODE | WIDTH | ROLL LENGTH | TUBE QTY | CARTON QTY |
|-------|-------|-------------|----------|------------|
| DST5 | 5MM | 50M | 57 | 128 |
| DST10 | 10MM | 50M | 30 | 180 |
| DST12 | 12MM | 50M | 25 | 150 |
| DST15 | 15MM | 50M | 20 | 120 |
| DST20 | 20MM | 50M | 15 | 72 |
| DST25 | 25MM | 50M | 12 | 36 |

REVOLVING TUBE PUNCH

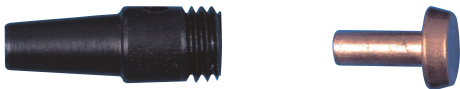


PRODUCT FEATURES

- Industrial quality
- Forged handles with copper anvil
- Revolving hole punch with 6 replacable drive tubes ranging from 2.4 to 4.8mm/ 3/32 to 3/16 inch

| CODE | LENGTH (MM/IN) |
|-------|----------------|
| HC350 | 230/9 |

REPLACEMENT TUBES & ANVIL FOR REVOLVING TUBE PUNCH



PRODUCT FEATURES

- Carbon steel replacement tubes and copper anvil for c350 punch (above)

| CODE | HOLE DIAMETER (MM/IN) | OVERALL LENGTH (MM/IN) |
|--------|-----------------------|------------------------|
| HC3500 | 1.9 5/64 | 0 |
| HC3501 | 2.4 3/32 | 1 |
| HC3502 | 2.8 7/64 | 2 |
| HC3503 | 3.2 1/8 | 3 |
| HC3504 | 4.0 5/32 | 4 |
| HC3505 | 4.4 11/64 | 5 |
| HC3506 | 4.8 3/16 | 6 |
| HC350A | COPPER ANVIL | |

WAD PUNCH



PRODUCT FEATURES

- Osborne Arch Punches are forged in one piece from the finest special carbon steel in sizes from 2mm to 60mm diameter
- Larger sizes are made with our properly engineered two piece welded construction
- A unique feature of the Osborne Arch Punch is the inside taper which permits the punchings to clear easily through the barrel
- Punches have fully polished barrel and a green enamel finish
- The cutting edge is fully hardened all the way through and properly finished to provide long use, trouble free punching
- There is no other hollow punch that can compare

| CODE | HOLE DIAMETER (MM) | WEIGHT EACH (OZ) |
|------|--------------------|------------------|
| HP23 | 23 | 1 |
| HP25 | 25 | 1-0 |
| HP28 | 28 | 1-0 |
| HP31 | 31 | 1-6 |
| HP35 | 35 | 1-8 |
| HP38 | 38 | 2-0 |
| HP42 | 42 | 2-12 |
| HP44 | 44 | 3-0 |
| HP50 | 50 | 3-12 |

SIDE HOLE CUTTERS



PRODUCT FEATURES

- Hardened cutting edge - milled clearing hole
- Polished barrel
- Variety of sizes

| CODE | HOLE DIAMETER (MM) | WEIGHT EACH (OZ) |
|------|--------------------|------------------|
| HP03 | 3 | 1 |
| HP04 | 4 | 1 |
| HP05 | 5 | 1 |
| HP06 | 6 | 1 |
| HP07 | 7 | 1 |
| HP08 | 8 | 1 |
| HP09 | 9 | 1 |
| HP10 | 10 | 1 |
| HP11 | 11 | 3 |
| HP12 | 12 | 3 |
| HP16 | 16 | 4 |
| HP19 | 19 | 4 |

NYLON MAUL



PRODUCT FEATURES

- Rawhide mauls are correctly balanced
- The nylon head is compressed between two solid bronze flanges
- Easy to handle, they strike square, deliver controlled dead blows, and are less likely to slip vs some synthetic mauls
- Made in the traditional manner with internal steel rod tanged through an oak handle

| CODE | DIAMETER OF HEAD | LENGTH OF HEAD | OVERALL LENGTH | WEIGHT EACH LBS |
|--------------|------------------|----------------|----------------|-----------------|
| QCDNM392-2OZ | 2 3/4" | 1 5/8" | 8 3/4" | 2 |
| QCDNM392-4OZ | 3 5/8" | 2 1/4" | 10 | 4 |
| QCDNM392-6OZ | 4" | 2 1/4" | 10 3/4" | 6 |

RUBBER MALLET



PRODUCT FEATURES

- Extra heavy white rubber mallet will not mar surface
- Superior quality
- Finest on the market
- Limited bounce
- White hardwood handle

| CODE | DIAMETER OF FACE | LENGTH OF HEAD | LENGTH OF HANDLE | WEIGHT EACH |
|-------------|------------------|----------------|------------------|-------------|
| QCDWRM396-2 | 2" | 3 1/4" | 12" | 13OZ |
| QCDWRM396-3 | 2 1/2" | 4 1/2" | 14" | 28OZ |

HEAVY DUTY SHEARS

WISS



PRODUCT FEATURES

- Polished blades
- WISS made in the USA since 1848

| CODE | WISS # | LENGTH (MM/IN) |
|-----------|--------------|----------------|
| HC552-10 | 20 | 254/10 |
| HC552-12 | 22 | 305/12 |
| HC552L-10 | 20 LEFT HAND | 254/10 |

EXTRA HEAVY DUTY SHEARS

WISS



PRODUCT FEATURES

- Polished blades
- WISS made in the USA since 1848

| CODE | WISS # | LENGTH (MM/IN) |
|----------|--------|----------------|
| HC555-10 | 20W | 254/10 |
| HC555-12 | 22W | 305/12 |

STAINLESS STEEL SHEARS

VICTORINOX



PRODUCT FEATURES

- Premium stainless steel, light weight scissors with knife edge and matt black polypropylene handles to prevent slippage
- Light weight
- Adjustable pivot assembly protected by "red button"
- Will not rust on the boat or in a sail repair kit

| CODE | LENGTH (MM/IN) |
|---------|----------------|
| HC560-9 | 229/9 |

THREAD SNIPS

WISS



PRODUCT FEATURES

- Self-opening spring action snips

| CODE | DESCRIPTION |
|-------|---------------------------------|
| HC553 | SELF OPENING SPRING 121 4¾ IN |

CUTTING PAD

- Made of a special formula resilient vinyl plastic, these tough cutting pads are ideal for use with punches



| CODE | LENGTH (MM/IN) |
|-------|----------------|
| QCDCP | 230/9 |

ENGEL HOT KNIFE

PRODUCT FEATURES

- Designed to cut and seal synthetics, woven and knit fabrics, and cut and weld rope, cord and webbing
- Quick heating with built in spot lights
- Combine with optional blades for a variety of uses
- Engel hot knife is sold without blades - see right for order details

CAUTION: Engel Hot Knife is designed for intermittent operation and should not be used for more than 20 minutes at one time without pause.



| CODE | DESCRIPTION | OVERALL LENGTH (MM/IN) | HEATS TO | VOLT | WATT |
|-------|-------------|------------------------|----------|------|------|
| HC850 | HSGO-EURO | 254/10 | 1000°F | 220 | 60 |

BENCH MOUNT HOT KNIFE

PRODUCT FEATURES

- Unit comes with base and one 4 inch cutting blade
- Great for quick, clean cuts of rope or webbing



| CODE | VOLT | HEATS TO |
|----------|------|----------|
| RC2303-C | 240 | 1200°F |

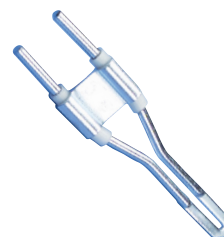
ENGEL CUTTING ATTACHMENTS

PRODUCT FEATURES

- Combine blades with trigger action handle to produce hot tool
- HC852 - use with HC856 cutting foot
- HC853 - excellent for appliqué work, cut and seal synthetics
- HC856 - use HC852 blade. Does not require cutting surface



HC852



HC853



HC856

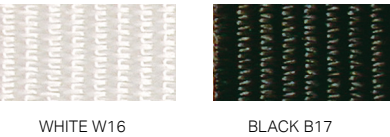
| CODE | DESCRIPTION |
|-------|-----------------|
| HC852 | STANDARD BLADE |
| HC853 | PRECISION BLADE |
| HC856 | CUTTING FOOT |

GENERAL PURPOSE WEBBING

O42 INDUSTRY STANDARD

PRODUCT FEATURES

- Heatset
- Canvas work
- Equestrian
- Ruck sacks/back packs
- Pet accessories

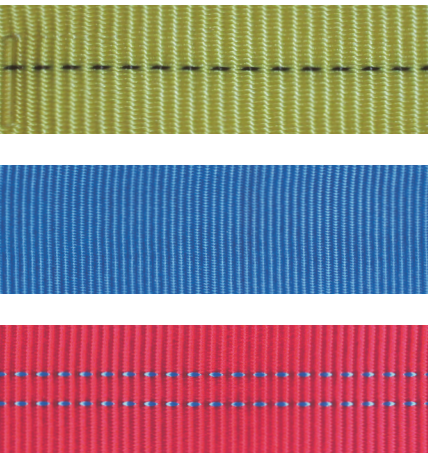


| CODE | COLOUR | TAPE WIDTH | BREAKING STRENGTH | ROLL LENGTH |
|-----------|--------|----------------|-------------------|-------------|
| QCD042-19 | WHITE | 19MM ¾ INCH | 1100KG | 50M |
| QCD042-25 | WHITE | 25MM 1 INCH | 1500KG | 50M |
| QCD042-32 | WHITE | 38MM 1½ INCH | 1900KG | 50M |
| QCD042-50 | WHITE | 50MM 2 INCH | 2500KG | 50M |
| QCD04219B | BLACK | 19MM ¾ INCH | 1100KG | 50M |
| QCD04225B | BLACK | 25MM 1 INCH | 1500KG | 50M |
| QCD04232B | BLACK | 38MM 1½ INCH | 1900KG | 50M |
| QCD04250B | BLACK | 50MM 2 INCH | 2500KG | 50M |

SUPER HEAVY WEIGHT

NYLON TUBULAR

- Available only on full reels



| CODE | WIDTH | BREAKING STRENGTH | REEL LENGTH | COLOUR |
|----------|---------------|-------------------|-------------|--------|
| HE124NBU | 25MM 1 INCH | 1800KG 4000LB | 50M 54YD | BLUE |
| HE124NBK | 25MM 1 INCH | 1800KG 4000LB | 50M 54YD | BLACK |
| HE124NBE | 25MM 1 INCH | 1800KG 4000LB | 50M 54YD | YELLOW |
| HE124NRD | 25MM 1 INCH | 1800KG 4000LB | 50M 54YD | RED |
| HE124NWT | 25MM 1 INCH | 1800KG 4000LB | 50M 54YD | WHITE |

HEAVY WEIGHT POLYESTER

SAIL MAKER

PRODUCT FEATURES

- Strong, low stretch webbing ideal for strapping rings on sails
- Flat, non-tubular webbing
- Excellent UV resistance
- Very low stretch
- Minimal shrinkage
- Available only on full reels
- Loomstate (not heat set)



| CODE | WIDTH | BREAKING STRENGTH | REEL LENGTH | COLOUR |
|--------------|----------------|-------------------|-------------|--------|
| QCD042-19SM | 19MM ¾ INCH | 950KG | 50M | WHITE |
| QCD042-19BSM | 19MM ¾ INCH | 950KG | 50M | BLACK |
| QCD042-25SM | 25MM 1 INCH | 1250KG | 50M | WHITE |
| QCD042-25BSM | 25MM 1 INCH | 1250KG | 50M | BLACK |
| QCD042-38SM | 38MM 1½ INCH | 1850KG | 50M | WHITE |
| QCD042-38BSM | 38MM 1½ INCH | 1850KG | 50M | BLACK |
| QCD042-50SM | 50MM 2 INCH | 2450KG | 50M | WHITE |
| QCD042-50BSM | 50MM 2 INCH | 2450KG | 50M | BLACK |

HERRINGBONE STYLE POLYESTER

SAIL MAKER

PRODUCT FEATURES

- Rugged polyester webbing, five panel construction, recommended for hiking straps, bag handles, nose piece for kites, reinforcement, tie down, trampolines etc
- Excellent UV resistance
- Available only on full reels
- Loomstate (not heatset)



| CODE | WIDTH | BREAKING STRENGTH | REEL LENGTH | COLOUR |
|-------------|-----------------|-------------------|-------------|--------|
| QCD012-19SM | 19MM ¾ INCH | N/A | 250M | WHITE |
| QCD012-25SM | 25MM 1 INCH | 700KG | 100M | WHITE |
| QCD012-38SM | 38MM 1 ½ INCH | 1000KG | 100M | WHITE |
| QCD042-50SM | 50MM 2 INCH | 1500KG | 100M | WHITE |

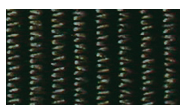
LOAD BINDER WEBBING 108

PRODUCT FEATURES

- Tied down straps
- Rub pads
- High strength



WHITE W16



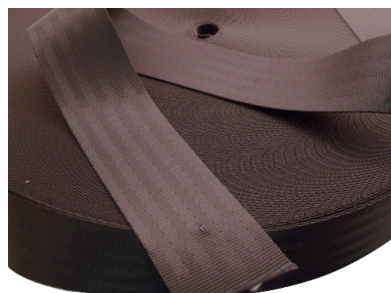
BLACK B17

| CODE | WIDTH | BREAKING STRENGTH | COLOUR | ROLL LENGTH |
|-----------|---------------|-------------------|--------|-------------|
| QCD10825B | 25MM 1 INCH | 2000KG | BLACK | 50M |
| QCD10825W | 25MM 1 INCH | 2000KG | WHITE | 50M |
| QCD10850B | 50MM 2 INCH | 4500KG | BLACK | 50M |
| QCD10850W | 50MM 2 INCH | 4500KG | WHITE | 50M |
| QCD10875B | 75MM 3 INCH | 6500KG | BLACK | 50M |
| QCD10875W | 75MM 3 INCH | 6500KG | WHITE | 50M |

SEAT BELT WEBBING 012

PRODUCT FEATURES

- General Industry canvas work
- Shade sails
- Heatset



WHITE W16



BLACK B17

| CODE | WIDTH | BREAKING STRENGTH | ROLL LENGTH |
|------------|-----------------|-------------------|-------------|
| QCD01225B | 25MM 1 INCH | 1000KG | 100M |
| QCD01225W | 25MM 1 INCH | 1000KG | 100M |
| QCD01232B | 32MM 1 ¼ INCH | 1250KG | 100M |
| QCD01232W | 32MM 1 ¼ INCH | 1250KG | 100M |
| QCD01238B | 38MM 1 ½ INCH | 1500KG | 100M |
| QCD01238W | 38MM 1 ½ INCH | 1500KG | 100M |
| QCD01250B | 50MM 2 INCH | 2000KG | 100M |
| QCD01250W | 50MM 2 INCH | 2000KG | 100M |
| QCD01275B | 75MM 3 INCH | 3000KG | 100M |
| QCD01275W | 75MM 3 INCH | 3000KG | 100M |
| QCD012100B | 100MM 4 INCH | 4000KG | 100M |
| QCD012100W | 100MM 4 INCH | 4000KG | 100M |

WELDABLE PVC WEBBING

COATED POLYESTER



| CODE | WIDTH | COLOUR | ROLL LENGTH |
|------------|---------------|--------|-------------|
| QCDWELD50W | 50MM 2 INCH | WHITE | 50M |

KNEEPADS



| CODE | DESCRIPTION |
|-------|--|
| HC904 | 1 PAIR RUBBER PADS WITH HOOK & LOOP FASTENINGS |

CLOTH CLAMPS



| CODE | JAW OPENING MM IN | OVERALL LENGTH MM IN |
|--------|---------------------|------------------------|
| HC515R | 25 1 | 102 4 |
| HC516R | 51 2 | 152 6 |
| HC517R | 76 3 | 229 9 |

SEAM RIPPER



| CODE | DESCRIPTION |
|-------|----------------|
| HC906 | DELUXE QUALITY |

AWLS



STANDARD
HC901

HEAVY DUTY
HC900

| CODE | DESCRIPTION | LENGTH MM IN | PACK QTY |
|-------|-------------|----------------|----------|
| HC901 | STANDARD | 100 4 | 20 |
| HC900 | HEAVY DUTY | 130 5 ½ | 12 |

STAPLING PLIER

Special stapling plier with high raised clincher for stapling around bolt ropes or rolled up material.



| CODE | DESCRIPTION |
|------|-----------------------------|
| B8P | RAISED CLINCH STAPLE PLIERS |

STAPLE REMOVER



| CODE | DESCRIPTION |
|-------|-------------------------|
| HC519 | METAL PUSH-TYPE STAPLER |

UPHOLSTERY SKEWERS



| CODE | SIZE | LENGTH | GAUGE |
|--------|------|--------|-------|
| UPSK75 | 8 | 75MM | 16 |
| UPSK87 | 10 | 87.5MM | 16 |

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



ANEFIL POLY® BONDED POLYESTER

AMERICAN & EFIRD

| CODE | TEX SIZE | CONE SIZE | NEEDLE SIZE | BREAKING STRAIN | APPROX LENGTH PER CONE | BOX QTY |
|------|----------|-----------|---|-----------------|------------------------|---------|
| | | METRIC | LIGHT FABRIC/ HEAVY FABRIC 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

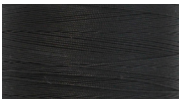
ANEFIL™ 30 ANEFIL™ 35, 45, 70



WHITE
T30W



WHITE
T35W
T45W
T70W



BLACK
T35B
T45B
T70B



ANEFIL™ 90



WHITE
T90W



PEBBLE BEIGE
T90PBEI



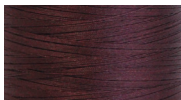
SILVER
T90SIL



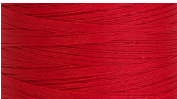
DARK SILVER
T90DS



FORSYTHIA
T90FOR



RUBY TONE
T90RT



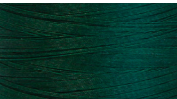
SCARLET
T90SCA



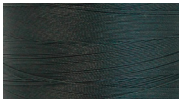
BEAVER
T90BEA



ASHES DRAB
T90DRA



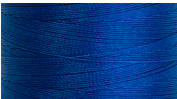
ALFALFA
T90ALF



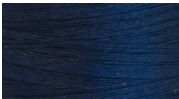
FOREST GREEN
T90FG



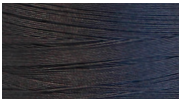
PACIFIC BLUE
T90PB



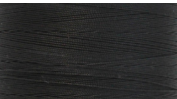
WEDGEWOOD
T90WED



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



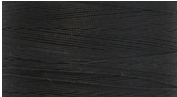
WEDGEWOOD
T135WED



NAVY
T135NAVY



NEW GREY
T135NG



BLACK
T135B

ANEFIL™ 210



WHITE
T210W



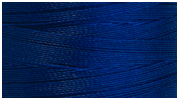
FORSYTHIA
T210FOR



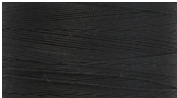
SCARLET
T210SCA



WEDGEWOOD
T210WED



ROYAL BLUE
T210RB



BLACK
T210B



STEEL
T210STE



WALNUT
T210WAL

ANEFIL™ 270



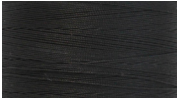
WHITE
T270W



STEEL
T270STE



MAHOGANY
T270MAH



BLACK
T270B



ANEFIL™ 350



WHITE
T350W



BLACK
T350B



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 | 278WVKH |

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



SEWING MACHINE NEEDLES

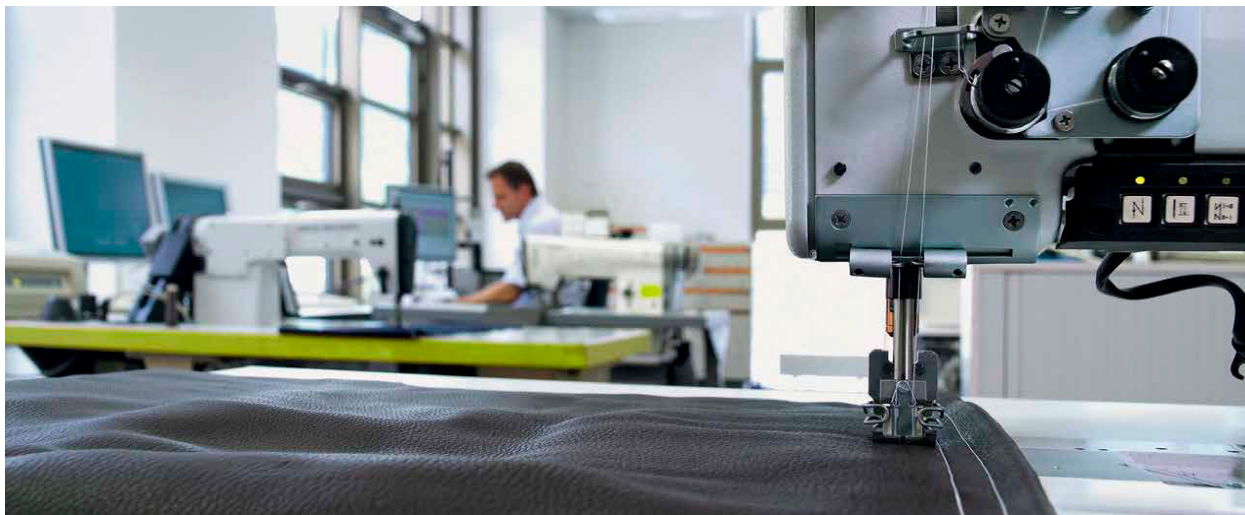
GROZ-BECKERT

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.

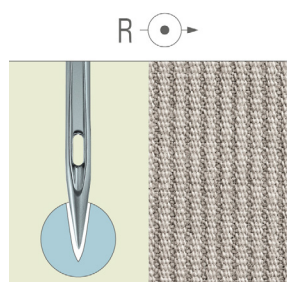
| NEEDLE SIZE | METRIC | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 160 | 180 | 200 |
|-------------|--------|-------|-------|---------|-----|-------------|-----|---------|-------|-----|-----|
| | SINGER | 12 | 14 | 16 | 18 | 19 | 21 | 22 | 23 | 24 | 25 |
| THREAD SIZE | V-30 | ● — ● | | | | | | | | | |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

| CODE | NEEDLE SYSTEM | NEEDLE SIZE |
|-------------|---------------|-------------|
| GB17381490 | 1738 | 90 LEATHER |
| GB173816100 | | 100 LEATHER |
| GB173818110 | | 110 LEATHER |
| GB17381811 | | 110 REGULAR |
| GB2141120 | 214 x 1 | 120 REGULAR |
| GB2141130 | | 130 REGULAR |
| GB2141140 | | 140 REGULAR |
| GB2141160 | | 160 REGULAR |
| GB2141180 | | 180 REGULAR |
| GB2141200 | | 200 REGULAR |
| GB2141230 | | 230 REGULAR |
| GB287WK80 | 287WVKH | 80 REGULAR |
| GB287WK90 | | 90 REGULAR |
| GB287WVKH | | 100 REGULAR |
| GB287WVKH1 | | 110 REGULAR |
| GB287WK12 | 438 | 120 REGULAR |
| GB43880 | | 80 REGULAR |
| GB43890 | | 90 REGULAR |
| GB438100 | | 100 REGULAR |
| GB438110 | | 110 REGULAR |
| GB438120 | | 120 REGULAR |

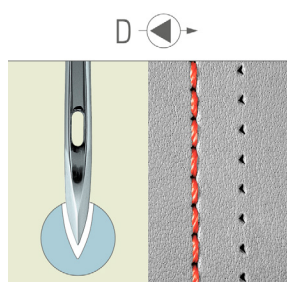


| CODE | NEEDLE SYSTEM | NEEDLE SIZE |
|---------------|---------------|-------------|
| GB794H120 | 794H | 120 REGULAR |
| GB794H140 | | 140 REGULAR |
| GB794H160 | | 160 REGULAR |
| GB794H180 | | 180 REGULAR |
| GB794H200 | | 200 REGULAR |
| GB794H250 | | 250 REGULAR |
| GB7X23140 | 7 x 23 | 140 REGULAR |
| GB7X23160 | | 160 REGULAR |
| GB7X23180 | | 180 REGULAR |
| GB7X23200 | | 200 REGULAR |
| GB1351790 | 135 x 17 | 90 REGULAR |
| GB1351710 | | 100 REGULAR |
| GB1351711 | | 110 REGULAR |
| GB1351712 | | 120 REGULAR |
| GB1351713 | | 130 REGULAR |
| GB1351714 | | 140 REGULAR |
| GB1351716 | | 160 REGULAR |
| GB1351718 | | 180 REGULAR |
| GB1351720 | | 200 REGULAR |
| GB13517SAN512 | | 120 SAN5 |
| GB13517SAN513 | | 130 SAN5 |
| GB13517SAN514 | | 140 SAN5 |
| GB13517SAN516 | | 160 SAN5 |

| CODE | NEEDLE SYSTEM | NEEDLE SIZE |
|-----------|---------------|-------------|
| GB13470 | 134 | 70 REGULAR |
| GB13480 | | 80 REGULAR |
| GB13490 | | 90 REGULAR |
| GB134100 | | 100 REGULAR |
| GB134110 | | 110 REGULAR |
| GB134120 | | 120 REGULAR |
| GB134130 | | 130 REGULAR |
| GB134140 | | 140 REGULAR |
| GB134180 | | 180 REGULAR |
| GB13410D | | 100 DIAMOND |
| GB134110D | 134-35 | 110 DIAMOND |
| GB134120D | | 120 DIAMOND |
| GB134130D | | 130 DIAMOND |
| GB134140D | | 140 DIAMOND |
| GB1343580 | | 80 REGULAR |
| GB1343590 | | 90 REGULAR |
| GB1343510 | | 100 REGULAR |
| GB1343511 | | 110 REGULAR |
| GB1343512 | | 120 REGULAR |
| GB1343513 | | 130 REGULAR |
| GB1343514 | | 140 REGULAR |
| GB1343516 | | 160 REGULAR |
| GB13435D9 | | 90 DIAMOND |
| GB13435D1 | | 110 DIAMOND |
| GB13435D2 | | 120 DIAMOND |
| GB13435D3 | | 130 DIAMOND |
| GB13435D5 | | 150 DIAMOND |
| GB13435D6 | | 160 DIAMOND |



REGULAR



DIAMOND

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 | 7 ASSORTED NEEDLES |

ACCESSORIES

SEWING PALM

LIGHTWEIGHT

WILLIAM SMITH



LIGHTWEIGHT, NON-ADJUSTABLE
HC024



LIGHTWEIGHT, ADJUSTABLE
HC026

| CODE | DESCRIPTION | HAND |
|-------|-----------------------------|-------|
| HC024 | LIGHTWEIGHT, NON-ADJUSTABLE | RIGHT |
| HC025 | | LEFT |
| HC026 | LIGHTWEIGHT, ADJUSTABLE | RIGHT |
| HC027 | | LEFT |

SEWING PALM

PROFESSIONAL

WILLIAM SMITH



GOOD QUALITY SEAMING
HC028



SUPER QUALITY SEAMING
HC032

| CODE | DESCRIPTION | HAND |
|-------|-----------------------|-------|
| HC028 | GOOD QUALITY SEAMING | RIGHT |
| HC029 | | LEFT |
| HC032 | SUPER QUALITY SEAMING | RIGHT |
| HC033 | | LEFT |

PUSH PINS



BLACK
HC903BK



HOT PINK
HC903FP



SILVER
HC903

| CODE | DESCRIPTION | COLOUR | PIN LENGTH | PACK QTY |
|---------|----------------|----------|------------|----------|
| HC903BK | PLASTIC HEAD | BLACK | 14 / 5/8 | 100 |
| HC903FP | PLASTIC HEAD | HOT PINK | 14 / 5/8 | 100 |
| HC903 | ALUMINIUM HEAD | SILVER | 16 / 3/4 | 100 |

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 |

SEAM KOTE 4

PRODUCT FEATURES

- Waterborne urethane coating which exhibits excellent durability, flexibility & washability
- Lightfast & UV resistant
- Does not prevent mould & mildew
- Fast drying & easy to clean
- Keep from freezing



| CODE | DESCRIPTION | VOLUME |
|-------|-------------|--------|
| HM150 | SEAM KOTE 4 | 3.8L |

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 registerable 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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