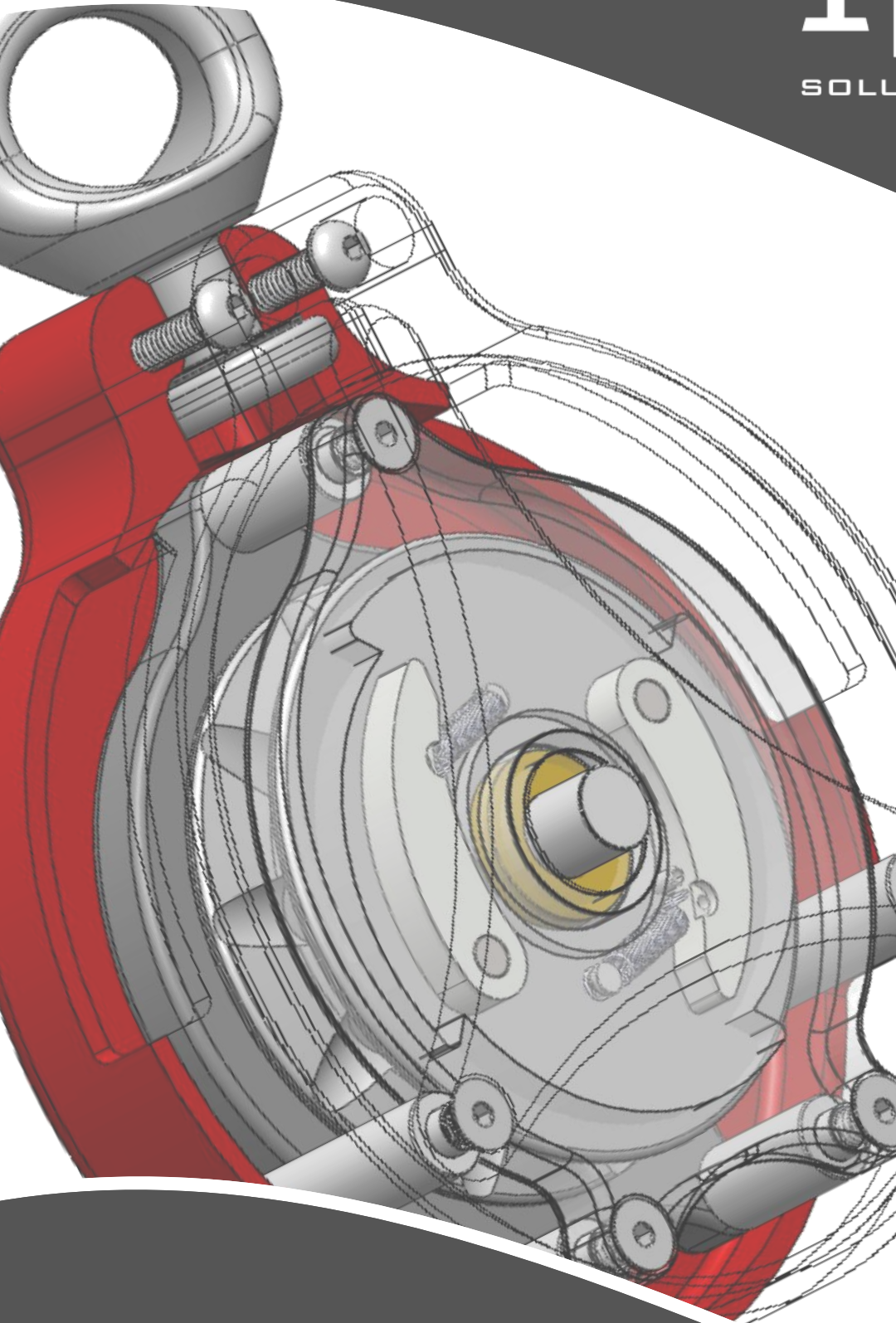


I|S|C

SOLUTIONS IN METAL



2012 Catalogue





Welcome to the 2012 ISC product catalogue.

ISC is a world renowned company specialising in the design, development and manufacture of safety critical engineered components and other 'Solutions in Metal'. We have been at the forefront of climbing, rigging and rescue product development for more than 15 years and our products are distributed and used in over 25 countries worldwide.

We supply products globally to the working at height industry which includes Rope Access, Arborists, Emergency Services, Ropes Course, Climbing Walls and Industrial Fall Protection users as well as the Motor Racing, Military and other specialist markets.

ISC products conform to International Standards including CE (PPE Directive 686/89), ANSI Z359(07) and NFPA 1983 and are manufactured in accordance with an ISO9001/2008 Quality Assurance System, audited and accredited by SGS.



Bienvenidos al catálogo de productos de ISC para el 2012.

ISC es una empresa conocida mundialmente que se especializa en el diseño, desarrollo y fabricación de componentes de seguridad crítica y otras 'Soluciones de Metal'. Hemos liderado el desarrollo de productos de alpinismo, jarcia y de rescate durante más de 15 años y nuestros productos se distribuyen y usan en más de 25 países en todo el mundo.

Suministramos productos en todo el globo para los trabajadores de sectores de trabajos en alturas, como la arboricultura, los servicios de emergencia, los circuitos de cuerdas, las paredes de escalada y la prevención de caídas en la industria, además de las carreras de motor, el sector militar y otros mercados especializados.

Los productos ISC cumplen con los estándares internacionales, como la Directiva 686/89/CEE relativa a los equipos de Protección Individual, la norma ANSI Z359(07) y la NFPA 1983, y se fabrican de acuerdo con el sistema de garantía de calidad ISO9001/2008 auditado y reconocido por la organización SGS.



Bienvenue dans le catalogue de produits ISC 2012.

ISC est une entreprise mondialement connue, spécialisée dans la conception, le développement et la fabrication d'éléments d'ingénierie et autres 'Solutions en Métal'. Nous sommes à la pointe du développement de produits d'alpinisme, de levage et de sauvetage depuis plus de 15 ans et nos produits sont distribués et utilisés dans plus de 25 pays à travers le monde.

Nous fournissons des produits à des entreprises pratiquant le travail en hauteur, notamment les arboriculteurs, les services d'urgence, les centres proposant des parcours acrobatiques ou des murs d'escalade ainsi que les utilisateurs industriels d'équipements assurant une protection contre les chutes. Nous fournissons également le secteur des courses automobiles, l'armée et d'autres marchés spécialisés.

Les produits ISC sont conformes aux normes internationales dont les normes CE (directive 686/89 relative aux équipements de protection individuelle), ANSI Z359(07) et NFPA 1983 et sont fabriqués conformément à un système d'assurance qualité ISO9001/2008 audité et accrédité par SGS.



Welkom bij de productcatalogus van ISC voor 2012.

ISC is een wereldberoemd bedrijf dat is gespecialiseerd in het ontwerp, de ontwikkeling en de productie van machinaal vervaardigde onderdelen voor veiligheidsuitrusting en andere 'Oplossingen van Metaal'. We nemen al meer dan 15 jaar het voortouw als het gaat om de ontwikkeling van klim-, hijs- en reddingsproducten en onze producten worden in meer dan 25 landen overal ter wereld verkocht en gebruikt.

We leveren wereldwijd producten aan bedrijfstakken waarin 'op hoogte' wordt gewerkt, waaronder bosbouw, hulpdiensten, touwparcoursen, klimmuren en gebruikers van industriële valbescherming, plus specialistische sectoren zoals de motorsport en het leger.

De producten van ISC voldoen aan internationale normen, waaronder CE (richtlijn 686/89/EEC betreffende persoonlijke beschermingsmiddelen), ANSI Z359(07) en NFPA 1983, en worden vervaardigd in overeenstemming met een ISO9001/2008 -kwaliteitsbewakingstelsel dat door SGS is getest en goedgekeurd.



Herzlich willkommen zum ISC-Produktkatalog 2012.

ISC ist ein weltweit anerkanntes Unternehmen, das sich auf die Konzeption, Entwicklung und Fertigung von Sicherheitskomponenten und sonstigen 'Lösungen aus Metall' spezialisiert hat. Wir stehen seit über 15 Jahren an der Spitze der Produktentwicklung für Kletter-, Spannsystem- und Rettungslösungen, und unsere Produkte werden in über 25 Ländern vertrieben.

Wir liefern weltweit Produkte für alle Arten von Höhenarbeiten wie Baumpflege, Rettungsdienste, Hochseilparcours, Kletterwände und industrielle Absturzsicherung sowie für Motorsport, militärische Zwecke und sonstige Spezialmärkte.

ISC-Produkte entsprechen internationalen Standards wie CE (PPE-Richtlinie 686/89), ANSI Z359(07) und NFPA 1983. Sie werden gemäß einem ISO9001/2008-Qualitätssicherungssystem von der SGS hergestellt, geprüft und zugelassen.



Benvenuti al catalogo prodotti ISC 2012.

ISC è un'azienda di livello mondiale specializzata in progettazione, sviluppo e realizzazione di importanti componenti tecnici di sicurezza e altre 'Soluzioni in Metallo'. Da oltre 15 anni siamo all'avanguardia nello sviluppo di prodotti per l'alpinismo, per i sistemi di paranchi e per le operazioni di salvataggio e i nostri prodotti vengono distribuiti e utilizzati in più di 25 paesi nel mondo.

Forniamo prodotti a livello globale per il settore del lavoro in quota, che include arboricoltura, servizi di emergenza, percorsi elevati, arrampicate e utenti di protezioni anticaduta industriali, oltre a vari mercati specialistici come quello automobilistico o militare.

I prodotti ISC sono conformi agli standard internazionali fra cui CE (Direttiva sui dispositivi di protezione individuale 686/89/CEE), ANSI Z359(07) e NFPA 1983 e vengono realizzati in conformità al sistema di gestione della qualità ISO9001/2008, verificato e certificato da SGS.



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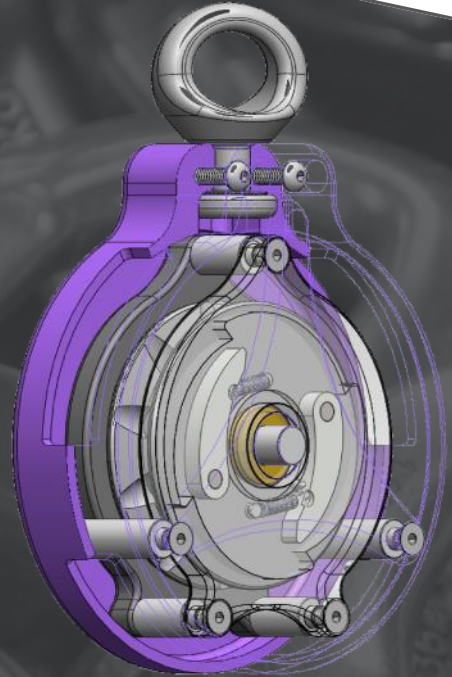
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Design, develop, manufacture and market ...

– these are the core values and processes within ISC. Although only a relatively small global player we are independently owned and managed which has allowed us the flexibility to exploit embryonic markets, remain at the forefront of product innovation and invest in cutting edge technology.

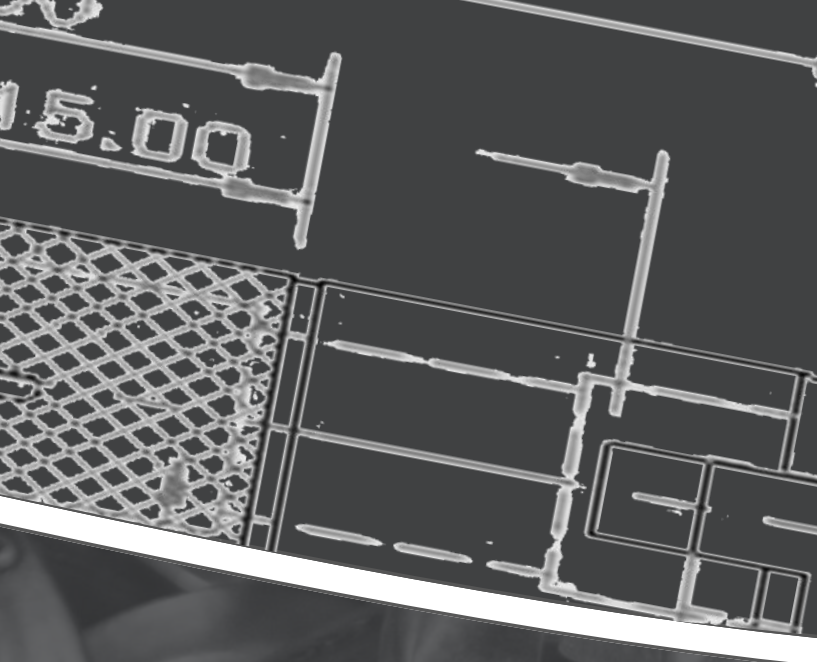
Product design, development & prototyping lie at the centre of activities at ISC. We have invested heavily in engineering and design personnel, specialist modelling software and high-spec machinery and that investment continues. Concepts can be brought to market via different routes but there is an established methodology in place that involves project milestones such as:

- Fit & function tests via 3D Solidworks modelling, to validate against intent
- Aesthetic and handling tests via Fused Deposition Modelling (FDM), to validate against expectation
- Performance tests via Initial Low Rate Pre-production (metal-cut) samples, to validate against international Standards and commercial reality



Thorough productionisation means that products are supplied to market via the right manufacturing routes thereby allowing us to remain competitive whilst still with more than half an eye on function and aesthetics. There is no reason why when engineers and marketers work together they can't produce products that work brilliantly well and look stunning too.

Continuous product improvement can be brought about by internal review, perhaps by changes to material or process, but often improvements are brought about by listening to market feedback. We believe we are good at that – our marketing team is constantly exploring the marketplace and listening to customer feedback.



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But the greatest advantage and the most fundamental part of our ongoing success is our team. From the people who develop the concepts to the guys who check that every product we sell- it's all about their competence and their diligence to ensure that ISC products are amongst the best in the world.

Tight Quality Control of systems and processes as well as actual product is essential in a world full of cheap copies and anonymous mass production.

At ISC we believe it is vital that every piece of safety critical product that we ship has been thoroughly inspected and thoroughly tested by highly competent people, reassuring the user that each and every component has been handled by a real person to ensure it meets the highest standards.



I|S|C



Identifying opportunities & reacting to them through the all of these processes, plus referencing users at all levels has allowed us to improve and extend our range

- Industrial Fall Protection
- Rope Rescue
- Rope Access
- Arboriculture
- Military and tactical
- Motorsport
- Ropes Course & Adventure parks

ISC's success over recent years in becoming a world recognised brand and a renowned provider of 'Solutions in Metal' isn't coincidental, its as a result of concentrating on all these things and working hard to achieve these goals. However we remain approachable, not wanting to become a faceless corporate and we welcome visitors to our site in Snowdonia which is at the heart of our company's climbing roots.



Load Limiting within CE & ANSI requirements

5mm (3/16") Galvanised Steel cable. Complete with optional Fall Indicating Karabiner

Fully serviceable

Aluminium housings for strength and durability

Choice of Karabiners



Limiteur de charge conforme aux normes CE et ANSI

Câble en acier Galvanisé de 5 mm (3/16") (modèle en inox également disponible). En option : mousquetons avec indicateur de chute

Toutes les parties peuvent être entretenues

Carters en Aluminium coulé ou refoulé pour une résistance et une durabilité maximales



Lastbegrenzung im rahmen der anforderungen nach CE und ANSI

Drahtseil aus 5 mm (3/16") Galvanisiertem stahl (version aus edelstahl verfügbar). karabiner mit fallanzeige optional verfügbar.

Vollständig wartbar.

Gehäuse aus Aluminiumguss oder Aluminiumspritzguss sorgen für belastbarkeit und haltbarkeit



Limitazione del carico in conformità ai requisiti CE & ANSI

Cavo in acciaio zincato da 5 mm (3/16") (è anche disponibile la versione in acciaio inossidabile) dotato di moschettoni indicatori di caduta opzionali

Perfettamente efficiente

Alloggiamenti in lega di Alluminio o alluminio estruso per maggiore resistenza e durabilità



Límite de carga conforme con los requisitos CE y ANSI

Cable de acero Galvanizado de 5 mm (3/16") (también disponible en acero inoxidable). Incluye mosquetones con indicación de caída opcional

Gran durabilidad

Carcasas en Aluminio fundido o extruido para mayor resistencia y durabilidad



Maximale werklast volgens de vereisten van CE en ANSI

Verzinkt stalen kabel van 5 mm (roestvrij stalen versie beschikbaar). Met optionele karabiners met valindicatie

Kan volledig worden onderhouden

Behuizing van gegoten Aluminium of geperst Aluminium voor sterkte en duurzaamheid



UB170



UB050



UB171



UB051





UB033



UB066



Fall Indicator Karabiners

The Red Indicator Ring is exposed when a fall occurs

ISC Fall Arrest Blocks are fitted with Fall Indicating, Swivel Eye Karabiners as standard.

All ISC Blocks have solid Aluminium Housings, proven to last in all sorts of environments, from rental to off-shore.

The internal mechanisms are simple, making them easily serviceable.



FAB Service & Repair

Become an Approved ISC Block Service & Repair Agent...


We now offer Fall Arrest Block Service Training courses. These courses take place on the ISC Factory in North Wales, or can be arranged at your own premises*.

Please contact our Customer Services Team for further information.

* Fees apply



Available with a wide range of Hooks in Steel, Stainless Steel or Aluminium, for custom applications

		WLL (KG)
UB170 15M BLOCK	9	136
UB171 15M RETRIEVAL BLOCK	9	136
UB050 5M WEB BLOCK	3	136
UB051 5M WIRE BLOCK	3	136
UB033 3.3M MERLIN BLOCK	1	136
UB066 6.6M MERLIN BLOCK	2	136



The Rocker™ can be fitted to the rope at any point. It can be used hands-free, when travelling up or down the rope. The Rocker™ is designed for use without a Shock-Absorber.

The Rocker™ can also be used (in accordance with EN358), as a Rope Adjuster on a Work Positioning Lanyard or Flipline.

RP500



RP203 / RP204



RP209 / RP205



RP201 / RP206



Thumb-catch

Allows Rocker™ to be 'parked' at any position on the rope, for work positioning or used as a secondary back-up device for Rope Access work





Non-aggressive Camface

Shock absorber is not required* with EN1891 rope

* when using Small version (for 10.5- 13mm rope)

ISC Standard Ropegrabs are made from high strength Aluminium and are available with fixed or removable Axles, which can be fitted to the rope at any point- without detaching from the user's harness.

	 g	 ROPE
RP500 ROCKER™	164	10.5- 12.7MM
RP203 FIXED	178	10.5- 13MM
RP204 FIXED (LARGE)	302	14- 16MM
RP201 R-CLIP	178	10.5- 13MM
RP206 R-CLIP (LARGE)	302	14- 16MM
RP209 PIP PIN	184	10.5- 13MM
RP205 PIP PIN (LARGE)	308	14- 16MM



MOS2 Silicone impregnated Bushings as standard significantly reducing friction

Blind Rivets replace Nut & Bolt Axle fittings, in accordance with EN Standard 12278 : 04

Sealed Bearings available as an option on all Prussik Minding Pulleys

7075 Aluminium or Stainless Steel used throughout on Prussik Minding Pulley range, for optimum strength & weight



Modèle standard équipé de douilles imprégnées de Silicone MOS2 qui réduisent considérablement les frottements

Axe fixé par des rivets aveugles et non plus par des boulons et des écrous, conformément à la nouvelle norme CE

Roulements étanches disponibles en option sur toutes nos poulies pare-Prussik

Poulies pare-Prussik composées d'aluminium 7075 / Stainless Steel, pour une résistance optimale et un poids minimal



Standardmäßig mit MOS2-Silikon imprägnierte laufbuchsen sorgen für eine deutliche Reduzierung der Reibung

Blindnieten ersetzen entsprechend dem neuen CE-Standard Achslager aus Schrauben und Muttern

Für alle Rollen mit beweglichen Wangen sind verkapselte Lager optional verfügbar

Für die Produktreihe der Rollen mit beweglichen Wangen wird für höchste Belastbarkeit und optimales Gewicht 7075 Aluminium verwendet oder Edelstahl



Cuscinetti rivestiti in Silicone MOS2 di serie per ridurre significativamente l'attrito

Rivetti ciechi sostituiscono dadi e viti nel montaggio dell'asse, in conformità con il nuovo standard CE

A livello opzionale, per tutte le pulegge Prusik sono disponibili dei cuscinetti sigillati

La gamma di pulegge Prusik è realizzata in Alluminio 7075 per garantire ottime prestazioni in termini di potenza e peso



Incluye de serie casquillos impregnados con Silicona de MOS2, que disminuyen considerablemente la fricción

Los pasadores de tuerca y tornillo se han reemplazado con remaches ciegos, de conformidad con la nueva norma CE

Cojinetes sellados disponibles opcionalmente con todas las poleas Prusik

La gama de poleas Prusik se fabrica con Aluminio 7075 para una resistencia y ligereza óptimas



Standaard met MOS2-silicone geïmpregneerde bussen, voor aanzienlijk minder wrijving

As niet langer bevestigd met moeren en bouten, maar met blindklinknagels, in overeenstemming met de nieuwe CE-norm

Alle katrollen met beweegbare flanken zijn optioneel met afgedichte lagers verkrijgbaar

Het assortiment katrollen met beweegbare flanken is voor maximale sterkte en minimaal gewicht van 7075-Aluminium vervaardigd

RP012



RP030



RP032



RP033



RP034



RP031



RP037



**Micro Pulley
12kN Rated Bridge on
Aluminium version**



**Micro Pulley
Stainless Steel version
available**

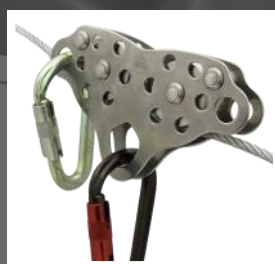
We manufacture a wide range of lightweight Eiger Pulleys for use on rope up to 13mm.

All Pulleys conform to relevant European Standards

RP012 SMALL SINGLE	88	35kN	13MM
RP030 SMALL DOUBLE	150	35kN	13MM
RP032 MEDIUM SINGLE	158	35kN	13MM
RP033 MEDIUM DOUBLE	286	35kN	13MM
RP034 MEDIUM SINGLE	180	35kN	13MM
RP031 DOUBLE RE-DIRECT	126	22kN	13MM
RP037 MICRO PULLEY	88	28kN	13MM
RP037C STAINLESS MICRO	178	40kN	13MM



New Lug Holes
For increased security



The ISC Zipspeed™ range are super-tough Tandem Pulleys, designed especially for cable based Ziplines.

The Zipspeed™ Tandem Pulleys are suitable for regular outdoor use and are effectively maintenance free.

Upgrade to Sealed Roller Bearings, for extreme use, high-speed or extra long Ziplines.



RP036



RP043



RP042



RP029

**Fixed Wheel
Shear Reduction**

			
	g	MBS	MAX ROPE
RP036E ZIPSPEED™ BUSHINGS	976	40kN	13MM
RP036D ZIPSPEED™ BEARINGS	982	40kN	13MM
RP036G ZIPSPEED™ BUSHINGS	976	40kN	16MM
RP036F ZIPSPEED™ BEARINGS	982	40kN	16MM
RP036I ZIPSPEED™ BUSHINGS	985	40kN	20MM
RP036H ZIPSPEED™ BEARINGS	995	40kN	20MM
RP042 ALUMINIUM BODY WITH BUSHINGS	222	25kN	13MM
RP043 ALUMINIUM BODY STAINLESS WHEELS WITH BEARINGS	312	25kN	13MM
RP029 STAINLESS FIXED	820	45kN	13MM

Single



Bushings

Ideal for high loads at low speed



Roller Bearings

Ideal for low loads at high speed

Single, with Becket



All Pulleys in our latest Prussik range have tamper-proof Rivets, in compliance with CE EN12278 (2007) & NFPA (1983)*

These pulleys are available with Bushings, or Roller Bearings. They have fully load rated becket, which are large enough to allow a Karabiner to rotate fully.

Fixed-wheel Shear Reduction versions are available on request**

*Accredited in the UK, by third party test house

**Extra charge applies

Double, with Becket



Aluminium



MBS

MAX ROPE

	g	MBS	MAX ROPE
RP060 SMALL SINGLE	200	40KN	13MM
RP061 SMALL DOUBLE	340	40KN	13MM
RP063 MEDIUM SINGLE	280	50KN	13MM
RP064 MEDIUM DOUBLE	500	50KN	13MM
RP065 SINGLE WITH BECKET	215	50KN	13MM
RP066 LARGE SINGLE	440	70KN	16MM
RP067 LARGE DOUBLE	760	70KN	16MM
RP069 EXTRA LARGE SINGLE	440	70KN	19MM

Stainless



MBS

MAX ROPE

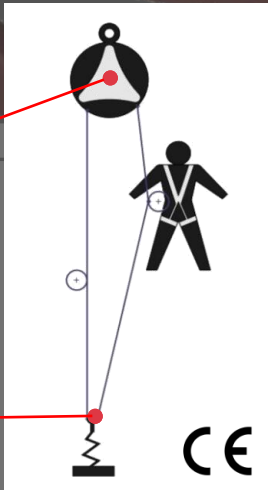
	g	MBS	MAX ROPE
RP060 SMALL SINGLE	398	40KN	13MM
RP061 SMALL DOUBLE	674	40KN	13MM
RP063 MEDIUM SINGLE	584	50KN	13MM
RP064 MEDIUM DOUBLE	1036	50KN	13MM
RP065 SINGLE WITH BECKET	413	50KN	13MM
RP066 LARGE SINGLE	896	50KN	16MM
RP067 LARGE DOUBLE	1626	50KN	16MM



ALF = Auto-Locking Fall Arrest Pulley

A clever combination of locking bollards and a grooved wheel create a truly innovative fall arrestor, incorporating an over-speed brake. The ALF™ is designed for climbing vertical structures such as ladders and is ideal for use in Ropes Courses. Fall distance is limited to a few centimetres.

RP430



View Product Demonstrations!



On the ALF™ & RALF™ – threading the rope into the device is simple which makes replacing ropes or re-configuring lengths very easy to do.

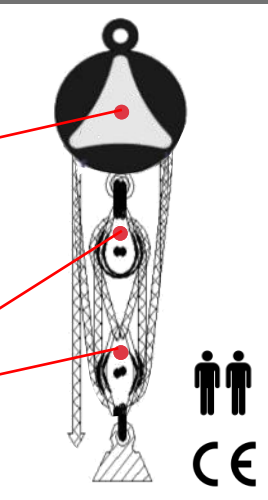
Note – use only ISC specified ropes

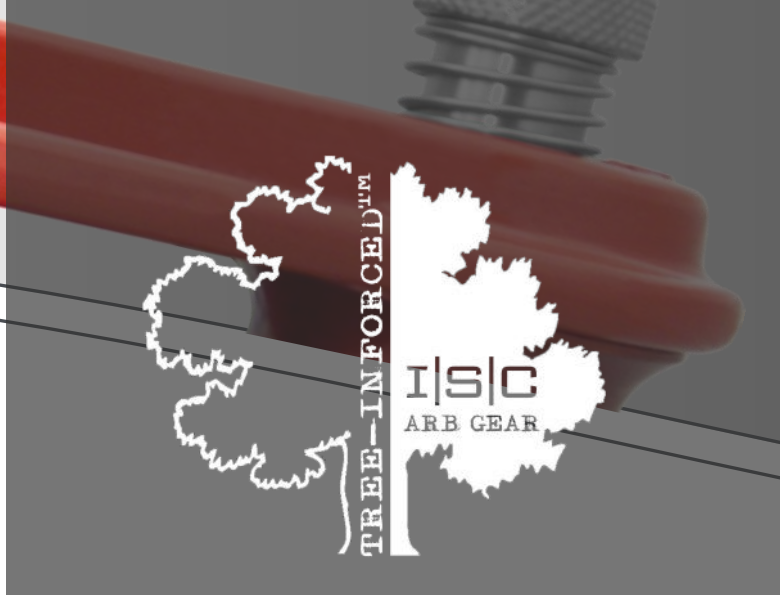
RP431



R-ALF = Rescue Auto-Locking Fall Arrest Pulley

The same technology is used to create the safest rescue/work positioning device in the world. Set up the R-ALF™ with any combination of Prussik pulleys to create a 3 : 1 or 5 : 1 mechanical advantage with virtually any length of rope to create a simple hauling system. If at any point during lifting or lowering the user loses control the over-speed brake will lock, arresting a fall.





TRIED. TESTED...

RP050



RP055



TRUSTED.

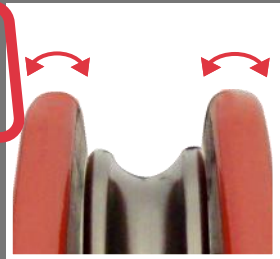
RP056



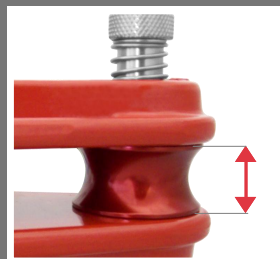
RP057



	WLL KG/LB	MAX ROPE Ø	SIDE CHEEK	PULLEY WHEEL
RP050 SMALL	2000/4400	13MM (1/2")	Red	Grey
RP051 SMALL	2000/4400	16MM (5/8")	Red	Orange
RP054 MEDIUM	3000/6600	16MM (5/8")	Blue	Orange
RP055 MEDIUM	3000/6600	19MM (3/4")	Blue	Green
RP057 LARGE	4000/8800	19MM (3/4")	Yellow	Green
RP056 FLAME™	2000/4400	16MM (5/8")	Grey	Orange



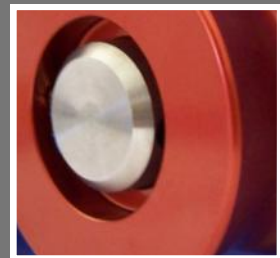
Rounded Plates
Minimal Rope Wear



Wider Profile
Accommodates
Larger Anchor Slings



New Marking Plate
Easy identification



New Pin Design
Quick Pin Location



Unique 'Blind' nose on all performance Karabiners, improves performance by reducing snagging

Square cut notch to limit debris build up

Unique Gate colour coding system

Performance Karabiners are all Forged, for best build quality

Sleek ergonomic design, with high strength to weight ratio



Nez en aveugle exclusif sur tous nos mousquetons hautes performances, pour une résistance accrue et une réduction du nombre d'accrocs

Entaille carrée sur tous nos mousquetons de sécurité pour limiter la formation de débris

Système exclusif de codage couleur du doigt

Tous nos mousquetons hautes performances sont forgés dans une optique de qualité optimale

Design épuré et ergonomique ; rapport force/poids élevé



Die einzigartige abdeckung an hochleistungskarabinern erhöht die belastbarkeit und verhindert ein verhaken

Rasten mit rechteckigem querschnitt an allen sicherheitskarabinern verhindern die ansammlung von ablagerungen

Einzigartige farbcodierungssystem an den verriegelungen

Hochleistungskarabiner sind für beste qualität vollständig geschmiedet

Schlankes, ergonomisches design für hohe stabilität im verhältnis zum gewicht



Tutte le estremità dei moschettoni presentano fessure cieche per aumentare la resistenza ed evitare strappi

Il gancio squadrato su tutti i moschettoni di sicurezza riduce l'accumulo di detriti

Innovativo sistema di chiusura a colori

Tutti i moschettoni ad alte prestazioni sono realizzati utilizzando elementi di massima qualità

Design ergonomico ed elegante, con un ottimo rapporto potenza/peso



Nariz 'roma' en todos los mosquetones de alto rendimiento que aumenta la resistencia y reduce la posibilidad de enganche involuntario

Muesca cuadrada en todos los mosquetones de alta seguridad para reducir la acumulación de residuos

Sistema exclusivo de código de colores

Mosquetones de alto rendimiento forjados para una calidad de fabricación óptima

Diseño ergonómico y robusto, con una elevada relación peso/resistencia



Uniek neusontwerp op alle hoogwaardige karabiners voor extra sterkte en zodat het touw niet kan blijven haken

Vierkante inkeping op alle superveilige karabiners zodat vuil zich niet kan ophopen

Unieke kleurcodesysteem voor de sluiting

Alle hoogwaardige karabiners zijn voor optimale kwaliteit gesmeed

Strak, ergonomische ontwerp met een hoge sterkte-gewichtverhouding



KH214



KH204



KH304



KH453



KH452



KH451



KH300



KH411

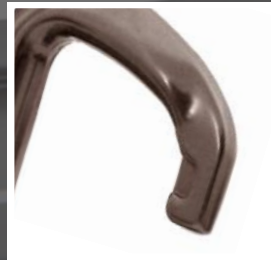


KH215



NEW !





Blind Nose
Reduces snagging

As standard on all Forged Karabiners



Captive Pin
Available on all Karabiners marked **F**



KH255



New!
Now available with optional Fall-Indicator

KH453BG



Ideal for Tool Hooks

NOT for PPE

KH204BG



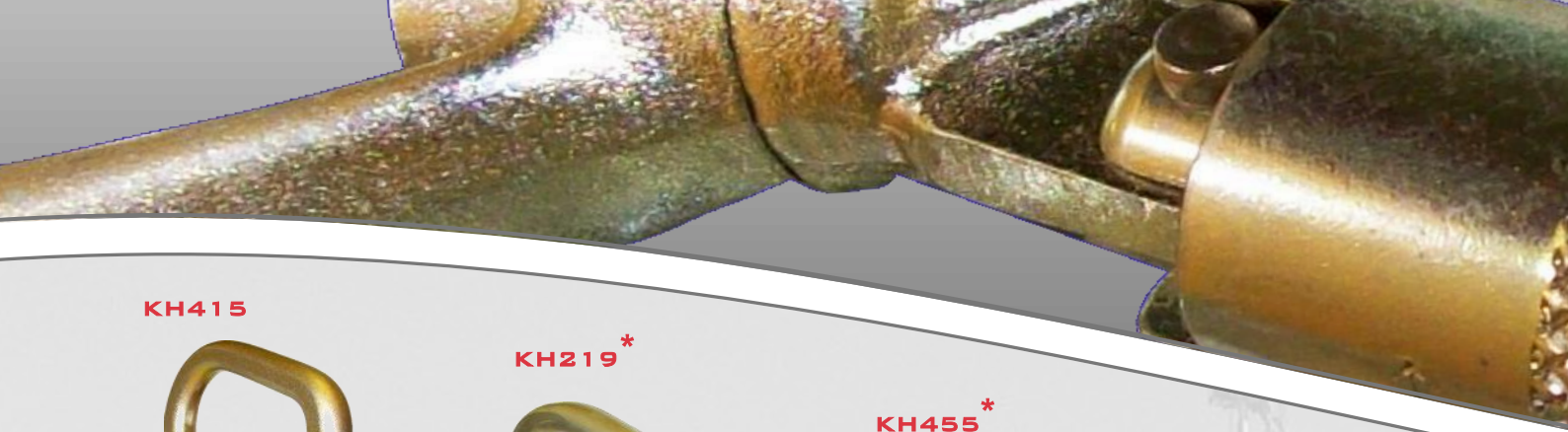
Ideal for Wheelchair Restraints

NOT for PPE



Aluminium	g	MBS	MBS	GATE TYPE
KH214 MINI HMS	98	27kN	19MM	B, C, D
KH204 HMS	103	27kN	22MM	A, B, C, D
KH304 BRONCO™	99	27kN	23MM	C
KH453 GATOR™	46	25kN	15MM	A, B, C, D
KH452 GECKO™	86	30kN	21MM	A, B, C, D
KH451 MONGOOSE™	118	30kN	24MM	A, B, C, D
KH300 CAPTIVE EYE	242	30kN	20MM	A, B, C, D
KH411 LUKE	80	25kN	20MM	A, B, C, D
KH215 LINK™ F	90	25kN	15MM	A, B, C, D
KH255 TWISTER™	142	27kN	15MM	A, B, C, D

NOT for PPE	g	MBS	MBS	GATE TYPE
KH204BG	88	25kN	30MM	BENT
KH453BG	47	25kN	22MM	BENT



KH415



KH219 *



KH455 *



KH212 *



KH308 *



KH202 *



KH311



KH200 *



KH260

KH301 *



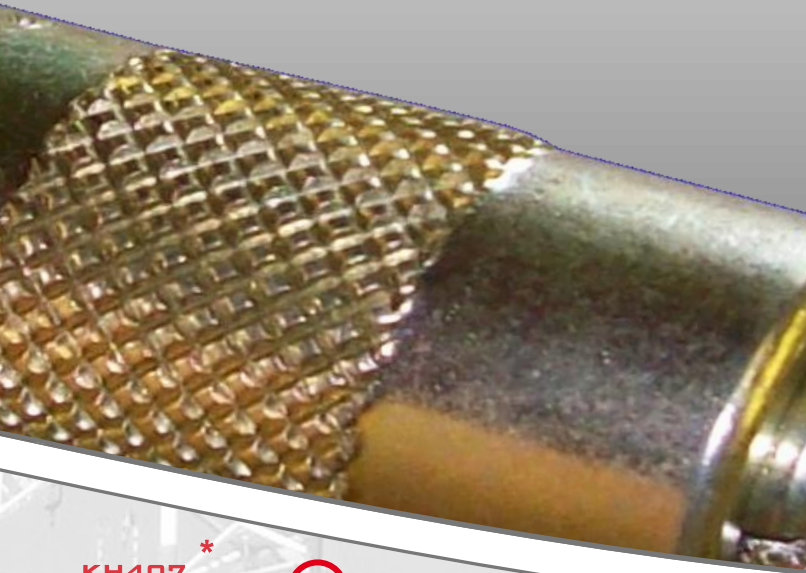
KH307 *



Fall Indicator version available



ANSI 3600lb version available



Blind Nose
Reduces snagging

Available on all Steel Forged Karabiners

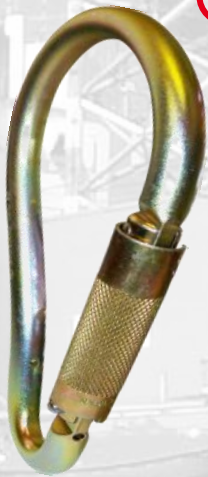


Captive Pin
Available on all Karabiners marked **(P)**

KH407 *



KH400 *



KH308 *

KH200 *



KH250 *

KH307 *



Fall Indicator version available



Marine Grade versions available



Steel



MBS



GATE TYPE

		MBS		GATE TYPE
KH415 LARGE WIZARD™	540	70kN	33MM	B, C
KH219 SMALL WIZARD™	264	70kN	28MM	A, B, C, D
KH455 BIG DAN™	330	50kN	27MM	A, B, C, D
KH308 (P)	175	35kN	17MM	A, B, C, D
KH202 (P)	250	50kN	26MM	A, B, C, D
KH212 HMS	276	50kN	23MM	A, B, C, D
KH311 OVAL	188	25kN	18MM	A, B
KH200 (P)	225	50kN	20MM	A, B, C, D
KH260 TWISTER™	330	40kN	18MM	A, B, C, D
KH301 CAPTIVE EYE	240	50kN	18MM	A, B, C, D
KH307 FIREMANS (P)	400	40kN	48MM	A, B, C
KH407 SCAFFOLD HOOK (P)	678	35kN	53MM	B
KH400 ATLAS™ (P)	722	45kN	57MM	B

Stainless Steel



MBS



GATE TYPE

		MBS		GATE TYPE
KH250 TWISTER™	235	25kN	18MM	A, B, C
KH308 (P)	174	22kN	16MM	A, B, C
KH200 (P)	225	35kN	20MM	A, B, C
KH307 (P)	400	40kN	48MM	B, C

SH901



SH904



SH903



SH905



SH979



SH999



SH824



SH826



Safety Heel

Reduces the risk of accidental opening



Triple-action catch

Unique to ISC*

* Worldwide Design Patent Registered



Locking Nose

Increased Side Strength

Available on SH999

SH901 DOUBLE ACTION	102	27kN	23MM
SH904 DOUBLE ACTION SWIVEL	198	25kN	22MM
SH903 TRIPLE ACTION	108	27kN	23MM
SH905 TRIPLE ACTION SWIVEL	204	25kN	22MM
SH979 LARGE SNAP	460	30kN	56MM
SH999 LARGE SNAP (LOCKING NOSE)	482	35kN	60MM
SH824 STEEL SNAP	284	30kN	21MM
SH826 STEEL SWIVEL SNAP	486	25kN	20MM

^ Fall Indication versions available



Where a continuous lifeline is not available, these products offer 100% attachment through the use of innovative 'Key-lock' mechanisms. To move from one element to the other, the user must lock in a second connector, before unlocking the first

Ideal for use on Ropes Courses- designed for very frequent use

Simple and user friendly



Lorsqu'une longe continue n'est pas disponible, ces produits proposent une fixation complète par le biais de mécanismes de blocage innovants. Pour passer d'un élément à un autre, l'utilisateur doit verrouiller un second connecteur avant de déverrouiller le premier

Convient parfaitement aux parcours de cordes et aux usages très fréquents

Facile à utiliser



Wenn kein durchgehendes Rettungsseil verfügbar ist, sorgen diese Produkte anhand des innovativen Freigabemechanismus dafür, dass stets eine Anbindung gewahrt bleibt. Beim Wechsel von einem Element zum nächsten muss der Benutzer zunächst eine zweite Verbindung einhaken, bevor die erste Verbindung gelöst werden kann

Ideal für Seilgärten - für die regelmäßige Verwendung konzipiert

Einfach und benutzerfreundlich



Laddove non sia disponibile una sagola continua, questi prodotti garantiscono un aggancio completo grazie a innovativi meccanismi di bloccaggio: per spostarsi da un elemento all'altro, l'operatore deve assicurare un secondo connettore prima di poter sbloccare il primo

Ideali per percorsi elevati e progettate per un uso frequente

Semplici da usare



Cuando no se dispone de una cuerda continua de seguridad, estos productos ofrecen un 100% de amarre mediante mecanismos "cerradura" muy innovadores. Para desplazarse desde un elemento a otro, el usuario debe bloquear un segundo conector antes de desbloquear el primero

Indicados para uso en Circuitos de Cuerdas - diseñados para un uso muy frecuente

Sencillo y fácil de usar



In situaties waarin er geen doorlopende reddingslijn aanwezig is, staan deze producten ervoor garant dat de gebruiker toch altijd ergens aan vastzit dankzij het gebruik van innovatieve 'key-lock'-mechanismen. Om van de ene lijn naar de andere te verhuizen, moet de gebruiker een tweede haak vastzetten voordat de eerste kan worden ontgrendeld

Ideaal voor touwparcoursen: ontworpen voor zeer veelvuldig gebruik

Eenvoudig en gebruiksvriendelijk



Ring Key
New one-piece Stainless Steel Design



Wire Key
Mounted on wires at the beginning of each course element



Exit Key
Releases the user at the end of the course

RP420



MBS

RP420 SMARTSNAP™	318	25kN
RP410 KLIPA™ SYSTEM	414	20kN

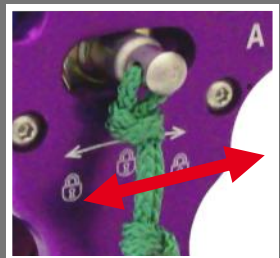
View Product Demonstrations!



RP410



Triangles
Each unit is supplied with two attachment triangles



Lock/Release
Moving the slider locks the new triangle in place, discarding the previous triangle



A range of Aluminium & Stainless Steel Harness Fittings available

Forged Aluminium Rings for use on Arborist Harnesses or Cambium Savers. All individually Proof Loaded

Black Fittings are available for use on Covert-use harnesses or for use in Military/Tactical environments, or Theatre Rigging

QRB/Camlocks available for SFI or FIA approved Motorsport Harnesses



Gamme de garnitures de harnais en aluminium et inox

Anneaux en aluminium forgé destinés aux harnais pour l'arboriculture ou aux Cambium Savers (fausses fourches) Individuellement testés

Garnitures noires disponibles pour une utilisation dans un environnement militaire ou tactique et pour le levage de théâtre

Cylindres à excentrique/mécanismes à dégagement rapide disponibles pour les harnais de sport automobile homologués SFI ou FIA



Halterungen aus Aluminium und Edelstahl erhältlich, umfassendes Sortiment

Ringe aus geschmiedetem Aluminium für Sturzsicherungssysteme in der Forstwirtschaft oder für Cambium Savers. Alle individuell belastungsgeprüft

Schwarze Halterungen für verdeckt verwendetes Geschirr, für Militäreinsätze oder für Bühnentechnik erhältlich
Schnellverschlüsse/Camlock-Verschlüsse für SFI- oder FIA-zugelassene Gurte im Motorsport erhältlich



Una gamma completa di imbracature in alluminio e in acciaio inossidabile

Anelli in alluminio forgiato per imbracature adatte per lavori di arboricoltura o ancoraggio al cambio del tronco
Tutte le imbracature sono sottoposte a test di carico

Attrezzature disponibili in nero per imbracature nascoste o da utilizzare in ambienti militari/tattici o per esibizioni teatrali



Amplia gama de accesorios para arnés en acero inoxidable

Anillos en aluminio forjado para uso en arneses utilizados en la arboricultura o en "cambium savers". Todas han pasado satisfactoriamente la prueba de control de carga

Accesorios disponibles en color negro para uso en arneses para camuflaje y operaciones encubiertas

QRB/bloqueos disponibles para arneses conformes con las normas de SFI o FIA



Een uitgebreid assortiment aluminium en roestvrij stalen bevestigingen voor klimgordels

Ringen van gesmeed aluminium voor de gordels die worden gebruikt in de bosbouw en voor zogenaamde Cambium Savers (boombast beschermende verbindingslijnen). Elke ring wordt afzonderlijk getest tot de limietbelasting

Zwarte bevestigingen voor gebruik met klimgordels voor tactische toepassingen en voor gebruik in militaire/tactische omgevingen en het hijsttuig in theaters



BU171



BU170



BU173



RIN0010



RIN0011



BD600G



BD600D



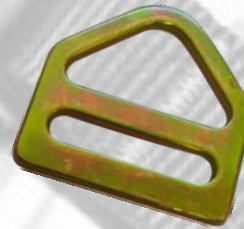
BD304



SH101



DD302



BD307



BU102



BL121



BU106



BL122



BU102G



BL121E



BU200



BU101



AP184





Black Finish
Available on most fittings

We manufacture an extensive range of fittings & components. If you are looking for an item which is not shown on this page, please contact our Customer Services Team for information.

BU180



BU182



BU183



BU184



BU185



	-sizing	material	 g
BU171	75MM WEB ADJUSTER	ALUMINIUM	112
BU170	45MM WEB ADJUSTER	ALUMINIUM	60
BU173	75MM WEB ADJUSTER	STEEL	100
RIN0010	SMALL RING	ALUMINIUM	38
RIN0011	LARGE RING	ALUMINIUM	54
BD600C	CRANKED D-RING	ALUMINIUM	72
BD600D	FLAT D-RING	ALUMINIUM	72
BD304	BOW D-RING	STEEL	76
SH101	COMPACT HOOK	STEEL	78
DD302	PRESSED DELTA	STEEL	72
BD307	CRANKED BOW D (WITH LEG)	STAINLESS	86
BU102	45MM 3 BAR SLIDE	STAINLESS	30
BL121	45MM SQUARE LINK	STAINLESS	34
BU106	50MM 3 BAR SLIDE	STAINLESS	40
BU122	50MM SQUARE LINK	STAINLESS	45
BU102G	45MM 3 BAR SLIDE	STEEL	30
BL121E	45MM SQUARE LINK	STEEL	35
BU200	45MM 3 BAR SLIDE*	STEEL	46
BU101	75MM 3 BAR SLIDE*	STEEL	102
AP184	45MM SLIDING 3 BAR	STEEL	48

* Heavy Duty

	BUCKLE SIZE	TANG TYPE/ SIZE	 g	MBS 
BU180	45MM	45MM 3-BAR SLIDE	138	20kN
BU182	45MM	45MM SLIDING TANG	122	16kN
BU183	25MM	45MM 3-BAR SLIDE	124	20kN
BU184	25MM	45MM SLIDING TANG	108	16kN
BU185	25MM	25MM SLIDING TANG	94	16kN



Cranked Tang
Available with Chrome or
Black Plated Finish



QR172



Flat Tang
Available with Chrome or
Black Plated Finish



QR171



Moustache Tang
Chrome Finish

QR153



Streamlined Design
Lightweight, compact body

Buckle opening
Rotary or Lost-motion

**Forged Aluminium Lid with lever or
lever less**

Specialist Versions
All Stainless version available for Off-Shore, &
Helicopter SAR use



A range of climbing gear, designed for Rope Access Technicians, Arborists & Rescue Services of various competence levels

All Descenders feature panic brake for additional safety

Hand Ascenders are CNC Machined from solid Extrusion for strength and durability (compared with those stamped from plate)



Une gamme de produits d'escalade destinés au personnel encordé effectuant des travaux de type arboriculture et sauvetage quel que soit leur niveau de compétence

Tous nos descendeurs sont équipés d'un frein de secours pour une sécurité accrue

Les bloqueurs sont produits par usinage CNC à partir d'une extrusion solide pour une durabilité et une résistance accrues par rapport à ceux réalisés à partir d'une plaque découpée à l'emporte-pièce



Kletter- und Sturzsicherungsausrüstung für technische Seilarbeiten, Forstwirtschaft und Rettungsdienste verschiedener Kompetenzstufen
Alle Abseilgeräte verfügen über eine Panikbremse für zusätzliche Sicherheit

Handsteigklemmen werden aus gepresstem Metall CNC-gefräst und bieten daher eine höhere Stabilität und Lebensdauer als aus Blech gestanzte Modelle



Una gamma di attrezzature da arrampicata progettate per i professionisti di accesso su fune, arboricoltura e servizi di soccorso di varie tipologie

Tutti i discensori sono provvisti di freno antipánico per una protezione ancora più completa

I bloccanti a maniglia sono realizzati con macchine CNC a partire da estrusioni solide che garantiscono maggiore forza e durezza rispetto alla lavorazione a partire da lamine



Gama de accesorios de alpinismo diseñados para Técnicos en Acceso de Cuerdas, Arbolistas y Servicios de Rescate a todos los niveles

Todos los Descensores incluyen freno de emergencia para mayor seguridad

Los ascendedores de mano están CNC mecanizados mediante el proceso de extrusión sólida para una mayor resistencia y durabilidad comparada a los que se obtienen mediante el prensado de chapa



Een assortiment klimuitrusting voor gebruikers met verschillende vaardigheidsniveaus bedoeld voor technische rope access-systemen, bosbouw en reddingsdiensten

Alle daalsystemen zijn voorzien van een noodrem voor extra veiligheid

De handstijgklemmen zijn CNC-verspaand uit massief extrusiemateriaal voor extra sterkte en duurzaamheid in vergelijking met uit plaat gestanste stijgklemmen

RP110



RP100



RP130



NEW !

RP120



RP101



Stainless Steel version available
80kN MBS




RP130



NEW Rescue 9 Descender
With Anti-twist eye & Rope-guide top spike

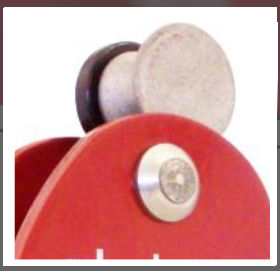
We manufacture a wide range of Figure 8 Descenders, which can be used on a variety of rope types/ sizes.

The specialist Rescue Figure 8 & 9 Descenders are suitable for descending, or lowering.

		MBS 	ROPE 
RP 110 FIGURE 8	106	25kN	9- 13MM
RP100 RESCUE 8	194	35kN	9- 13MM
RP101 RESCUE 8	600	80kN	9- 13MM
RP120 MINI FIGURE 8	56	25kN	5- 8MM
RP130 RESCUE FIGURE 9	195	35kN	9- 13MM



RP810



Large Top Bobbin
The new Bobbin design retains the rope, for greater ease of use



Extending Handle
For greater control when lowering heavy/two-man rescue loads



Latch
Allows user to take rope out, without detaching from harness



RP400

The latest A-B Descender has a new improved cam design, for greater control and a smoother descent.

RP810 A B DESCENDER™	400	10.5- 11MM
RP400 PRO ALLP™	600	10.5- 12.7MM

RP700



RP703 / RP705



RP702 / RP704



Max Rope
∅
13mm

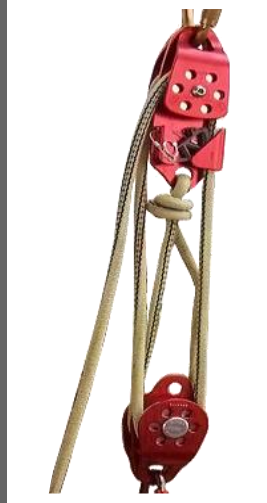
RP230 / 240
ULTRASAFE
HAND ASCENDER



RP210 / 220
PROFESSIONAL
HAND ASCENDER



Rope
∅
9- 13mm



Hauling Systems

Haulers can be rigged in a 5 : 1 Mechanical Advantage System, for greater ease & control of heavy loads.

Locking Haulers

Suitable for low/static loads

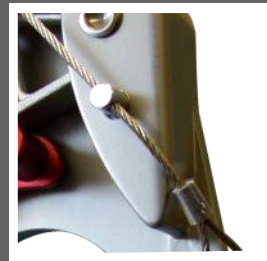
Non-Locking Haulers

Suitable for higher/dynamic loads




Coned Camfaces

The Camfaces on all Haulers & Ascenders are coned (rather than spiked), to reduce rope wear



Ultrasafe Pin

Stops rope being pulled out between Cam & Body

	 g	 MBS
RP700 DOUBLE PULLEY (LOCKING)	700	45kN
RP702 SINGLE HAULER	600	45kN
RP703 DOUBLE HAULER	900	45kN
RP704 SINGLE HAULER (LOCKING)	600	45kN
RP705 DOUBLE HAULER (LOCKING)	900	45kN
RP210 PROFESSIONAL (LEFT)	364	*
RP220 PROFESSIONAL (RIGHT)	364	*
RP230 ULTRASAFE (LEFT)	364	*
RP240 ULTRASAFE (RIGHT)	364	*

* MBS is dependant on rope type



All PPE Portable Anchors comply with EN795 and/or ANSI Z359 requirements where relevant

All PPE Portable Anchors are suitable as Dynamic Anchors for Fall Protection and/or Rope Access

Portawraps are adjustable rope Capstan Brakes, designed for lowering loads in tree work- they are not designed for Fall Protection



Tous les dispositifs d'ancrage portables EPI sont conformes aux normes EN795 et/ou ANSI Z359

Tous les dispositifs d'ancrage portables EPI peuvent servir d'ancrages dynamiques anti-chute et/ou de système d'accès encordé

Les Portawraps sont des freins cabestan ajustables conçus pour abaisser les charges lors des travaux d'élagage. Ils ne constituent pas des systèmes anti-chute



Alle tragbaren PPE-Anschlageinrichtungen entsprechen EN795 bzw. ANSI Z359

Alle tragbaren PPE-Anschlageinrichtungen sind für den Einsatz als Sturzsicherung und/oder für Seilarbeiten geeignet

Ablassergeräte sind verstellbare Seilführungssysteme zum Ablassen von Lasten in der Forstwirtschaft und dürfen nicht als Fallsicherung eingesetzt werden



I dispositivi di ancoraggio portatili DPI (Dispositivi per la Protezione Individuale) sono conformi ai requisiti della normativa EN795 e/o della normativa ANSI Z359 ove applicabile

I dispositivi di ancoraggio portatili DPI sono adatti a tutti i tipi di protezione anticaduta e/o accesso su fune al pari degli ancoraggi dinamici

I "portawrap" sono freni per argani a fune regolabili progettati per abbassare pesi nei lavori di arboricoltura e non hanno funzioni anticaduta



Todos los anclajes portátiles relativos a los Equipos de Protección Personal cumplen con los requisitos EN795 y/o ANSI Z359 en todos los casos que así se exige

Todos los dispositivos de anclajes portátiles relativos a los Equipos de Protección Personal se pueden utilizar también como anclajes dinámicos en la prevención de caídas y/o en el acceso de cuerdas

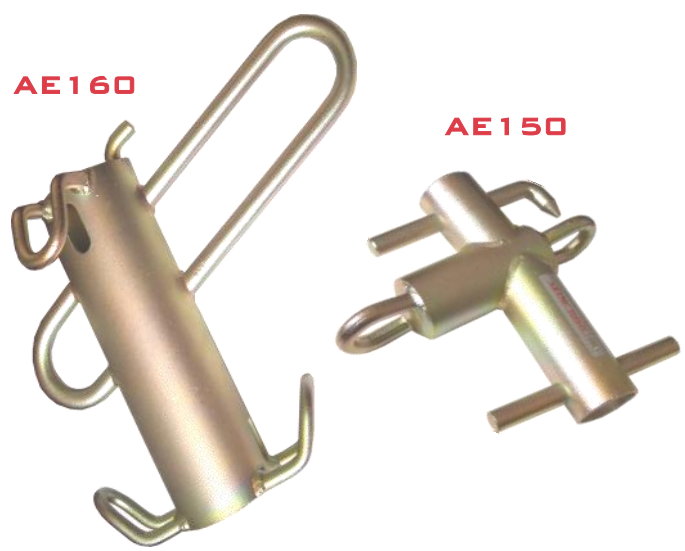
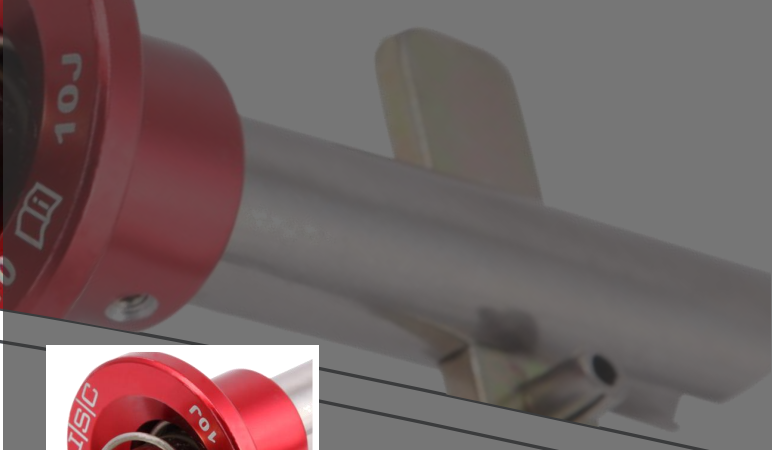
"Portawraps" son cabrestantes con frenos y cuerdas ajustables diseñados para la bajada de cargas cuando se trabaja en arboles como es el caso de la arboricoltura - no están diseñados para la prevención de caídas



Alle draagbare ankers voor persoonlijke beschermingsmiddelen (PPE) voldoen waar van toepassing aan de vereisten van EN795 en/of ANSI Z359

Alle draagbare ankers voor persoonlijke beschermingsmiddelen (PPE) zijn geschikt als verplaatsbare ankers voor valbescherming en/of rope access

Port-a-wraps zijn verstelbare bolders die zijn bedoeld voor het afvangen van lasten tijdens het werken in bomen: deze zijn niet geschikt voor valbescherming



anchors
Girder Grip & Concrete Anchors are made from High Strength Aluminium.



Anchors are Approved to CE EN 795 & can be used in vertical or horizontal plane



Rigging Plates
19mm Diameter Holes allow Karabiners to fully rotate



Wire Anchor Strops
CE Approved to EN 795
Available in bespoke lengths

GG101 GIRDER GRIP	546	28kN
GG201 CONCRETE ANCHOR	1180	28kN
RP300 SMALL RIGGING	92	35kN
RP310 MEDIUM RIGGING	242	40kN
RP320 LARGE RIGGING	454	45kN

AE160 LARGE PORTAWRAP	2000	1000	16MM
AE150 SMALL PORTAWRAP	800	800	13MM



Whether for special access for cliff rescue, or for temporary/portable access for Rope Access work, or for confined space or trench rescue, there is an available solution

All Edge Management systems comply with EN795 and / or ANSI Z359 where relevant



Pour tous les travaux de sauvetage sur falaise, les accès temporaires/portables de personnel encordé, les travaux dans des espaces confinés ou les opérations de sauvetage en tranchée, il existe désormais une solution

Tous les systèmes Edge management sont conformes aux normes EN795 et/ou ANSI Z359



Ob Rettungsarbeiten an Steilklippen, vorübergehende/flexible seilgestützte Arbeiten oder Arbeiten auf beengtem Raum wie Bergung aus Gräben: Wir bieten eine geeignete Lösung an

Alle Randsicherungssysteme entsprechen EN795 bzw. ANSI Z359



Che si tratti di accessi speciali per soccorso alpino e speleologico, di un accesso temporaneo/portatile per lavori su fune o operazioni su spazi confinati, questi prodotti sono la soluzione ideale

Tutti i sistemi di accesso per spazi confinati sono conformi alla normativa EN795 e/o alla normativa ANSI Z359 ove applicabile



Ya sea para accesos especiales en los rescates en acantilados o para el acceso provisional/portátil en trabajos verticales con cuerdas o bien para trabajos en espacios confinados o para rescate en fosas, siempre existe una solución a medida

Todos los sistemas de gestión de bordes cumplen con los requisitos EN795 y/o ANSI Z359 en todos los casos que así se exige



Of het nu gaat om speciale toegangsvereisten voor reddingsoperaties langs rotshellingen, tijdelijke/draagbare toegang tot rope access-systemen of besloten ruimten of reddingsoperaties in geulen, wij hebben de oplossing

Alle verticale klmsystemen voldoen waar van toepassing aan EN795 en/of ANSI Z359

Photo courtesy of Ferno Australia

arachnipod



The Arachnipod™ is an innovative design that captures multi-functional capabilities.

The Arachnipod™ is built around the concept of an Industrial Tripod, however it is much more than just a Tripod. Components can be added or removed to achieve any of the 8 possible configurations.



GIN POLE



BRIDGE



A FRAME

**THE WORLD'S MOST VERSATILE MODULAR
TOTAL EDGE MANAGEMENT SYSTEM**



TRIPOD / QUADPOD



SIDE A FRAME



HANDRAIL RECOVERY

arachnipod™

I|S|C

**DISTRIBUTED BY ISC
PLEASE CONTACT US FOR FURTHER INFORMATION**

TP143



UB171



ER100



Tripod Head

Available with up to two Anchor Points & two Pulleys

GRB150



Attachment Bracket

Available in various sizes, to fit many Tripod leg sections


ISC Tripod Systems are suitable for materials handling of up to 900kg, Manriding up to 450kg .

Tripod max height of 2.5m (9ft)

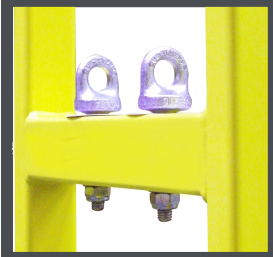


Edge Roller Unit

Supplied per box, with 2 x Quick-links

	 kg	WLL (kg)
TP143 TRIPOD	24	450
UB171 15M RETRIEVAL BLOCK	9	136
GRB150 ATTACHMENT BRACKET	1	-
ER100 EDGE ROLLER	0.5	-

DW100



Approved to EN795:97 Type B

For use behind Structural Handrails, Balustrades & Parapet Walls
(Requires minimum 600mm Upstand)

Ideal for Confined Access
Requires working area of only 400 x 500mm

Static Load Tested
Capable of two-man rescue

Quick, easy setup

Component parts weight 25kg max
Conforming to Manual Handling Regulations



178kg



DW200



Approved to EN795:97 Type B

Suitable for use on flat roof surfaces
Only 300mm upstand required

1.8m High anchor points

Built in Shock Absorber

Minimal Assembly Required

Unit can be moved sideways as and when required

Reducing the need for re-rigging

Wheels fitted with Brake Lever



390kg

Terms & Conditions



Conditions of sale shall apply to all orders given to and accepted by international safety components ltd. In these conditions "the seller" means international safety components ltd, "the buyer" means the person, firm or company purchasing the goods, "the goods" means the goods or materials which shall be the subject of the contract between the seller and the buyer.

1. Incorporation of Conditions of Sale

All goods are sold or agreed to be sold by the seller subject to these conditions of sale which override any other terms or conditions stipulated or referred to by the buyer, whether in the order or in any document issued by the buyer or in any negotiations, and so that these conditions of sale are the only terms or conditions upon which the seller sells or supplies the goods.

2. Payment

- I) Where credit terms apply, payment is due within 30 days of the date of the seller's invoice to the buyer.
- II) If any payments due to the seller are not made on the due date the seller reserves the right to suspend any or all the deliveries of goods ordered by the buyer and/or by notice in writing to the buyer to cancel the contract without being liable for the consequential loss.
- III) The seller reserves the right to charge the buyer interest on any sum outstanding beyond the period of credit allowed at the rate of 2% per month or part of a month.
- IV) Accounts are strictly net and remittances by cheques should be accompanied by the remittance advice, indicating the invoices being settled.

3. Credits

No allowances will be made at settlement unless previously acknowledged by the seller's official credit note.

4. Delivery

- I) Stated delivery terms shall not be binding on the seller. The seller shall not in any event be liable for any cost or damage caused by any reason of any delay in delivery.
- II) A goods delivery will be assumed to have been made unless proof of delivery is requested within 14 days of invoice date. The buyer shall be deemed to have examined the goods at the time of delivery.

5. Force Majeure

The seller shall not be liable in any way for loss or damage arising directly or indirectly through or in consequence of delivery of the goods being prevented or delayed by happenings or occurrences due to or by reason of mobilisation, hostilities, acts of the Queen's enemies or war (whether declared or not), government action, departmental instructions or act of god, riots, combination of workmen, lockouts, strikes or disturbances wherever taking place, shortage of labour, raw materials, fuel or power in consequence of non-delivery or any other cause, want of transport, accidents, fire, flood, blocking of or accidents to aeroplanes, shipping or railway lines, failure of ships to sail at advertised times, reduction or stoppage of output at the works where the goods are being manufactured or premises to which they are to be delivered through fire, flood, heat, frost, storm, tempest or intemperate weather, breakdown, accidents to machinery, late provision to the seller of any materials information or instructions pertinent to the fulfilment of the order for the goods by the seller, or any other causes or any circumstances whatsoever beyond the seller's control or any acts of the third parties whether criminal or otherwise, and in these circumstances the seller expressly reserves the right to cancel or suspend the whole or any part of any delivery.

6. Quantities

The seller may deliver against an order an excess or deficiency of up to 10% of weight or volume ordered. The quantity actually delivered will be stated in the invoice.

7. Warranty and Liability

- I) The seller warrants that the goods are manufactured with all care and skill and where applicable comply with the standard specifications set out in the seller's published literature in relation to the goods current at the date hereof and made available to the buyer and that the goods are of merchantable quality.
- II) The application, use and processing of the goods is the absolute responsibility of the buyer. Any technical and other advice, information and data provided by the seller, whether verbally, in writing or by way of trials or tests, is given without warranty as to the suitability of the goods for their intended purposes and applications.
- III) The buyer shall be deemed to have examined the goods at the time of delivery and unless notice of any defect is given by the buyer and received by the seller within 14 days after delivery the seller shall be relieved and discharged from any liability in respect thereof.
- IV) The foregoing paragraphs inclusive shall apply save that if any act of parliament or other statutory provisions for the time being in force shall avoid or make enforceable any of the provisions thereof such paragraphs shall be deemed to apply with the exclusions of those provisions thereof which shall be void or enforceable as aforesaid.

8. Patents and Trade Marks

- I) No warranty or representation is given by the seller that the goods do not infringe any letters patent, Trade Marks, registered designs or other industrial rights.
- II) The use of the seller's Trade Marks requires the prior written approval of the seller.

9. Assignments

The contract of which these conditions form part is personal to the buyer who shall not assign the benefit thereof without the seller's written consent.

10. Proper Law

The construction, validity and performance of this contract shall be governed by the law of England.

11. Property and Risk

- I) Delivery of the goods shall be:
 - A) Where the seller undertakes delivery of the goods when they are loaded off the seller's vehicle, ship or other transport at the station port or address specified by the buyer,
 - B) Where the buyer undertakes to collect the goods, when they are loaded onto the buyer's vehicle or other transport at the address of the seller.
- II) Passing of property:
 - A) Without prejudice to any of the seller's other rights under the agreement between the parties notwithstanding delivery of any goods, the property in the goods shall remain in the seller until the buyer has paid in cash in full thereof. If the price is payable in instalments or part only of the price has been paid to the seller the seller may appropriate the payment to any part of those goods which have been so delivered and title to that part shall thereupon pass to the buyer.
 - B) If such payment is overdue in whole or in part the seller may (without prejudice to any of his other rights) recover or resell the goods or any of them and may enter upon the buyer's premises for that purpose.
 - C) If any of the goods are incorporated in other goods before such payment the property in the goods delivered by the seller shall nevertheless be and remain with the seller until such payment has been made.
 - D) The buyer agrees to store all such goods in such a way that they are readily identifiable as the property of the seller.
 - E) Where any goods delivered under this contract have been sold by the buyer then the buyer shall so sell as agent for the seller and shall be trustee for the seller of the proceeds of sale thereof until such time as the seller shall have been paid in full for such goods.
 - F) Notwithstanding the provisions in sub-clause (A) hereof the sold goods shall be at the risk of the buyer from the time when they cease to be in possession of the seller and in particular when they are delivered into the possession or custody of a carrier, forwarding agent, Warehouseman or other Bailee or agent for the purpose of transmission whether such persons be in contract with or instructed by the seller or the buyer.

12. Default

If the buyer shall commit any breach of these conditions or if any distress or execution shall in the sole opinion of the seller, be unable to pay the seller for the goods or suspend payment of its debts or make any arrangements with its creditors, or being a company have a receiver appointed of its assets, or pass any resolution to be wound up, or being a person shall commit any act of bankruptcy, or have any bankruptcy petition presented against it, then in any such event the seller shall, without prejudice to any other rights and remedies it might have and without any liability whatsoever, be at liberty forthwith by notice in writing to the buyer:

- I) To cancel all orders and contracts or any part thereof remaining unfulfilled between the seller and the buyer for the delivery of the goods;
- II) Either for its agents or itself to have access to the buyer's premises for the protection, removal, realisation and disposal of any goods at any time and from time to time in which the property shall not have passed from the seller to the buyer in accordance with these conditions of sale.

13. Prices

- I) All goods will be charged at the price ruling at the date of delivery, irrespective of any quotation given prior to that date, or of any price charged for similar goods previously delivered.
- II) Prices quoted or charged exclude packing and delivery. All packages marked 'returnable' remain the property of the seller and should be returned as soon as possible after being emptied. Such packages may not be loaned, given or sold to any third party.



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