Restraint Fittings

Best in class – allsafe provides only high quality fittings Made in Germany.

Our in-house production especially of various Tiedown Fitting products with single parts coming from certified sub suppliers in Germany makes the difference:

- highest safety level with computer controlled assembly process
- highest quality level with best corrosion protection because of e.g. high-grade stainless steel or ZnNi surface treatment; free of CrVI, REACH compliant
- 100% airworthiness and full traceability with batch tracking
- product know how and documentation state of the art; datasheet drawings and CAD models available
- short lead times, all parts made to order

Tiedown Single Stud Fitting

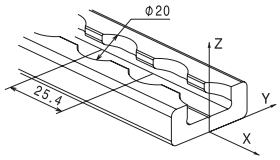
Tiedown Triple Stud Fitting

Tiedown Double Stud Fitting with Ring

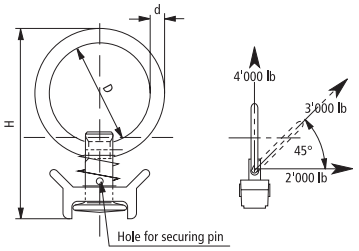
packaging units with 100 pcs. and 250 pcs. available

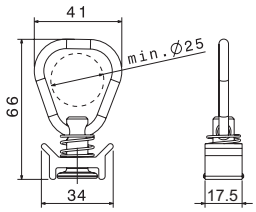
Restraint Fittings

Best in class: Sicherheit Made in Germany with computer controlled assembly and fulltrace ability.
Different options make them custom-fit.



Tiedown Single Stud Fitting

				Description	Material	Weight	Order code
Tiedown Single Stud							
				Tiedown single stud Ultimate load: see table	Stud: ZnNi-plated Retainer: aluminium anodized Ring: stainless steel		
	D	**d**	**H**	**Ultimate load: ***	**Remark**		
	20	4	49.5	F_X > 8.9 kN / 2000 lbf F_Y > 8.9 kN / 2000 lbf $F_{XZ45°}$ > 8.9 kN / 2000 lbf $F_{YZ45°}$ > 8.9 kN / 2000 lbf F_Z > 8.9 kN / 2000 lbf		36 grs.	110500-10
					With hole for securing pin (SP)	35 grs.	110500-20
	29,5	5	61			41 grs.	110501-10
					With hole for securing pin (SP)	40 grs.	110501-20
	35	5	66,5	F_X > 8.9 kN / 2000 lbf F_Y > 8.9 kN / 2000 lbf $F_{XZ45°}$ > 13.3 kN / 3000 lbf $F_{YZ45°}$ > 13.3 kN / 3000 lbf F_Z > 17.8 kN / 4000 lbf		45 grs.	110502-10
					With hole for securing pin (SP)	44 grs.	110502-20
	45	5	76,5			53 grs.	110503-10
					With hole for securing pin (SP)	52 grs.	110503-20
Tiedown Single Stud allsafe							110218-
				Tiedown single stud allsafe Ultimate load: * F_X > 8.9 kN / 2000 lbf F_Y > 8.9 kN / 2000 lbf $F_{XZ45°}$ > 10.0 kN / 2250 lbf $F_{YZ45°}$ > 10.0 kN / 2250 lbf F_Z > 12.5 kN / 2800 lbf	Stud: ZnNi-plated Retainer: aluminium anodized Ring: stainless steel -20 With hole for securing pin (SP)	46 grs. 45 grs.	-10 -20

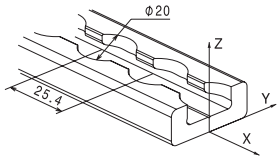


* when installed in heavy duty track according to AS33601, loads applied individually

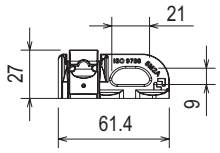
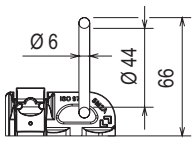
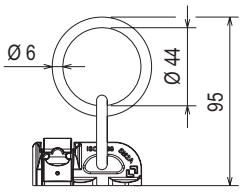
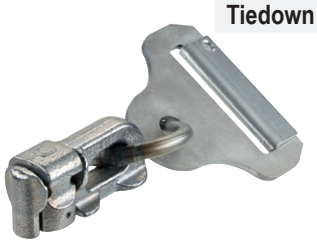
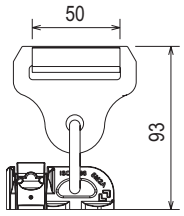
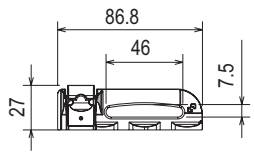
packaging units with 100 pcs. available

Restraint Fittings

High ultimate load meets various attachment opportunities. International standard gives you confidence in choosing the right basic design for your application. High quality with fulltrace ability.



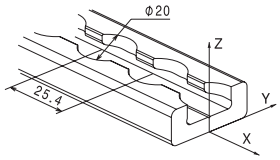
Tiedown Double and Triple Stud Fitting

		Description	Material	Weight	Order code
	Tiedown Double Stud Fitting				110600-10
		Tiedown double stud fitting ISO 9788 with hole for securing pin (SP) Ultimate load: * > 22.2 kN / 5000 lbf any direction	Steel, ZnNi-plated	102 grs.	
	Tiedown Double Stud Fitting with Ring				110601-10
		Tiedown double stud fitting with ring d = 44/6.5 with hole for securing pin (SP) Ultimate load: * > 22.2 kN / 5000 lbf any direction	Steel, ZnNi-plated Ring: stainless steel	137 grs.	
	Tiedown Double Stud Fitting with two Rings				110602-10
		Tiedown double stud fitting with link and ring with hole for securing pin (SP) Ultimate load: * > 22.2 kN / 5000 lbf any direction	Steel, ZnNi-plated Rings: stainless steel	164 grs.	
	Tiedown Double Stud Fitting with Plate				110603-10
		Tiedown double stud fitting with chain link and plate with hole for securing pin (SP) Ultimate load: * > 22.2 kN / 5000 lbf any direction	Steel, ZnNi-plated Ring: stainless steel	196 grs.	
	Tiedown Triple Stud Fitting				110650-10
		Tiedown triple stud fitting with hole for securing pin (SP) Ultimate load: * F_X > 25 kN / 5600 lbf F_Y > 25 kN / 5600 lbf F_{XZ} 45° > 25 kN / 5600 lbf F_{YZ} 45° > 35 kN / 7850 lbf F_Z > 35 kN / 7850 lbf	Steel, ZnNi-plated	139 grs.	
	Splint for use as securing pin (SP)	To lock retainer of single and double stud fittings ISO 1234	Stainless steel	2 grs.	160149
	R-clip for use as securing pin (SP)	To lock retainer of single and double stud fittings DIN 11024	Stainless steel	7 grs.	160150

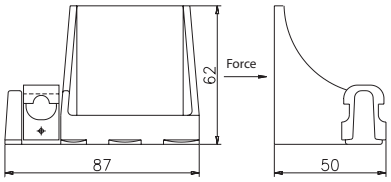
* when installed in heavy duty track according to AS33601

Restraint Fittings

Choose hook for different applications. All made of aluminium alloy.

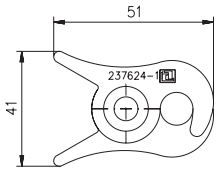
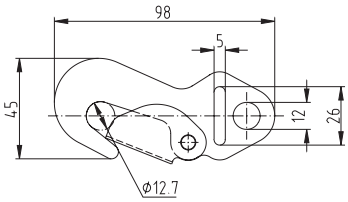
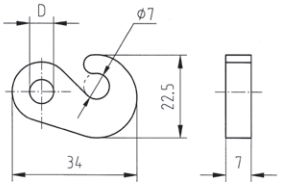


Special Fittings

		Description	Material	Weight	Order code
	Anti Shingle Device				110651-10
		Anti shingle device Ultimate load: * F_Y > 22.2 kN / 5000 lbf	Malleable cast iron, zinc-plated	285 grs.	

* when installed in heavy duty track according to AS33601

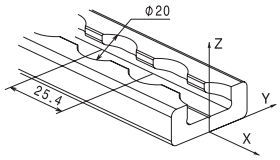
Aluminium Hooks

		Description	Material	Weight	Order code
	Hook				75006 A
		Hook Ultimate load: ** > 8.0 kN / 1800 lbf	Aluminium, mill finish	28 grs.	
	Snap Hook				75008
		Snap hook Ultimate load: ** > 11.5 kN / 2584 lbf	Aluminium, mill finish	43 grs.	
	Hook				75532
		Hook D = 8 mm Ultimate load: ** > 6.7 kN / 1500 lbf	Aluminium anodized	8 grs.	

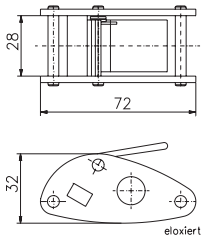
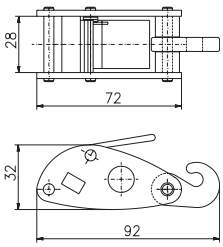
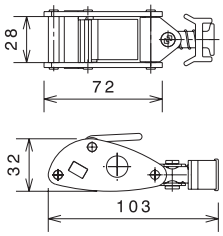
** when used with appropriate webbing

Restraint Fittings

To be sewed on a strap or directly fitted into airline track – available for all applications, strong, lightweight and easy to use.



Cam Buckles

	Description	Material	Weight	Order code
Cam Buckle Anodized				75003
	Cam buckle anodized Ultimate load: * > 8.9 kN / 2000 lbf	Body and lever: aluminium, anodized	80 grs.	
Cam Buckle with Hook				75004
	Cam buckle with hook Ultimate load: * > 6.7 kN / 1500 lbf	Body, lever and hook: aluminium, anodized	92 grs.	
Cam Buckle with Single Stud				75005
	Cam buckle with single stud Ultimate load: * > 7.25 kN / 1600 lbf	Frame: aluminium, anodized Stud: galv. steel Retainer: aluminium	123 grs.	

* when used with appropriate webbing