

NIETEN, HAKEN UND BERIEMUNG

RIVETS, HOOKS AND STRAPPING



Nieten  
Rivets

## HOHLNIETEN - L = 6 mm , Ø = 6 mm

HOLLOW RIVETS - L = 6 mm , Ø = 6 mm



Art.-Nr. art.no.	VE unit	Ø (mm) Ø	L (mm) length	Ausführung design	Material material
121045	2.500	6,0	6,0	doppelcalott doublecalott	Messing vernickelt brass nickel-plated



## HOHLNIETEN - L = 10 mm , Ø = 10 mm

HOLLOW RIVETS - L = 10 mm , Ø = 10 mm

Art.-Nr. art.no.	VE unit	Ø (mm) Ø	L (mm) length	Ausführung design	Material material
121022	2.500	10,0	10,0	einfachcalott singlecalott	verzinkt zinc plated
121023	2.500	10,0	10,0	doppelcalott doublecalott	verzinkt zinc plated
121024	2.500	10,0	10,0	doppelcalott doublecalott	Messing brass
121025	2.500	10,0	10,0	doppelcalott doublecalott	Messing vernickelt brass nickel-plated
121093	2.500	10,0	10,0	doppelcalott doublecalott	Messing schwarz brüniert brass black burnished



## HOHLNIETEN - L = 12 mm , Ø = 13 mm

HOLLOW RIVETS - L = 12 mm , Ø = 13 mm

Art.-Nr. art.no.	VE unit	Ø (mm) Ø	L (mm) length	Ausführung design	Material material
121013	2.500	13,0	12,0	einfachcalott singlecalott	verzinkt zinc plated
121014	2.500	13,0	12,0	doppelcalott doublecalott	verzinkt zinc plated
121028	2.500	13,0	12,0	einfachcalott singlecalott	Messing brass
121053	2.500	13,0	12,0	doppelcalott doublecalott	Messing brass
121029	2.500	13,0	12,0	einfachcalott singlecalott	Messing vernickelt brass nickel-plated
121017	2.500	13,0	12,0	doppelcalott doublecalott	Messing vernickelt brass nickel-plated
121060	2.500	13,0	12,0	doppelcalott doublecalott	Messing schwarz brüniert brass black burnished

Einfachcalott  
Single calottDoppelcalott  
Double calott



## HOHLNIETEN - L = 14 mm , Ø = 13 mm

HOLLOW RIVETS - L = 14 mm, Ø = 13 mm

Art.-Nr. art.no.	VE unit	Ø (mm) Ø	L (mm) length	Ausführung design	Material material
121026	2.500	13,0	14,0	einfachcalott singlecalott	verzinkt zinc plated
121027	2.500	13,0	14,0	doppelcalott doublecalott	verzinkt zinc plated
121094	2.500	13,0	14,0	doppelcalott doublecalott	Messing vernickelt brass nickel-plated



## SELBSTLOCHENDE NIETEN

SELF-PIERCING RIVETS

Art.-Nr. art.no.	VE unit	Ø (mm) Ø	L (mm) length	Material material
121057	1.000	9,2	9,0	Messing vernickelt brass nickel-plated
121095	1.000	9,2	10,5	Messing vernickelt brass nickel-plated

INFO: die Länge der Hohlrieten sollte in etwa 3 mm länger sein als die Stärke des zu vernietenden Materials.

INFO: the length of the hollow rivets should be about 3 mm longer than the thickness of the material to be riveted.

## POLYGRIP MEHRBEREICHBLINDNIETEN - Kopf Ø = 9,5 mm

POLYGRIP MULTIRANGE BLIND RIVETS - head Ø = 9,5 mm



Art.-Nr. art.no.	VE unit	Ø (mm) Ø	L (mm) length	Klemmbereich clamping area	Material material
121030	500	4,8	10,3	1,6 - 6,4	Alu-Stahl alu-steel
121031	500	4,8	15,1	4,5 - 11,0	Alu-Stahl alu-steel
121032	500	4,8	10,3	1,6 - 6,4	Alu-NIROSTA alu-inox
121033	500	4,8	16,0	6,5 - 13,0	Alu-NIROSTA alu-inox

## POLYGRIP MEHRBEREICHBLINDNIETEN - Großkopf Ø = 16 mm

POLYGRIP MULTIRANGE BLIND RIVETS - large head Ø = 16 mm



Art.-Nr. art.no.	VE unit	Ø (mm) Ø	L (mm) length	Klemmbereich clamping area	Material material
121034	500	4,8	10,3	1,6 - 6,4	Alu-Stahl alu-steel
121082	500	4,8	12,0	4,8 - 11,0	Alu-Stahl alu-steel
121035	500	4,8	17,0	6,5 - 12,5	Alu-Stahl alu-steel
121036	500	4,8	10,5	1,5 - 6,0	Alu-NIROSTA alu-inox
121037	500	4,8	16,9	6,5 - 12,5	Alu-NIROSTA alu-inox

**BLINDNIETEN** - Kopf  $\varnothing = 9$  mm*BLIND RIVETS - head  $\varnothing = 9$  mm*

Art.-Nr. art.no.	VE unit	$\varnothing$ (mm) $\varnothing$	L (mm) length	Klemmbereich clamping area	Material material
121055	1.000	4,0	8	3,0 - 5,0	Alu-Stahl <i>alu- steel</i>
121056	500	4,0	12	6,5 - 8,5	Alu-Stahl <i>alu- steel</i>
121038	500	4,8	6	1,0 - 3,0	Alu-Stahl <i>alu- steel</i>
121039	500	4,8	8	3,0 - 4,5	Alu-Stahl <i>alu- steel</i>
121040	500	4,8	10	4,5 - 6,0	Alu-Stahl <i>alu- steel</i>
121041	500	4,8	12	6,0 - 8,0	Alu-Stahl <i>alu- steel</i>
121042	500	4,8	14	8,0 - 10,0	Alu-Stahl <i>alu- steel</i>
121043	500	4,8	21	14,0 - 17,0	Alu-Stahl <i>alu- steel</i>

**DICHTBLINDNIETEN** - Kopf  $\varnothing = 9,5$  mm*DENSE BLIND RIVETS - head  $\varnothing = 9,5$  mm*

Art.-Nr. art.no.	VE unit	$\varnothing$ (mm) $\varnothing$	L (mm) length	Klemmbereich clamping area	Material material
121044	500	4,8	11,0	5,0 - 6,5	Alu-Stahl <i>alu - steel</i>

**HOCHFESTER NIET** - zum Vernieten von Spannern und Rollen*STRONG RIVET - for riveting of buckles and rollers*

Art.-Nr. art.no.	VE unit	$\varnothing$ (mm) $\varnothing$	L (mm) length	Klemmbereich clamping area	Material material
121051	250	6,4	14,5	6,8 - 8,8	Stahl <i>steel</i>
121084	250	6,4	16,0	8,0 - 11,0	Stahl <i>steel</i>
121052	250	6,4	14,5	5,0 - 6,5	NIROSTA <i>inox</i>

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### ALU-VOLLNIETEN -

für Zollbeschläge und Ladungssicherungsplanen - Kopf  $\varnothing = 9$  mm (DIN 674)

ALU-SOLID RIVETS - for custom fittings and load securing tarpaulins - head  $\varnothing = 9$  mm

Art.-Nr. art.no.	VE unit	$\varnothing$ (mm) $\varnothing$	L (mm) length	Klemmbereich clamping area	Material material	
121062	1.000	5,0	8,0	2,0 - 4,5	Aluminium	alu
121063	1.000	5,0	10,0	4,0 - 6,5	Aluminium	alu
121064	1.000	5,0	12,0	6,0 - 8,5	Aluminium	alu
121065	1.000	5,0	15,0	9,0 - 11,5	Aluminium	alu
121066	1.000	5,0	20,0	12,0 - 16,5	Aluminium	alu
121067	1.000	5,0	30,0	22,0 - 26,5	Aluminium	alu
121068	1.000	5,0	35,0	25,0 - 30,0	Aluminium	alu

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### ALU-RIEMENNIETEN - für Zollbeschläge - Kopf $\varnothing = 11,0$ mm (DIN 675)

ALU-STRAP RIVETS - for custom fittings - head  $\varnothing = 11,0$  mm

Art.-Nr. art.no.	VE unit	$\varnothing$ (mm) $\varnothing$	L (mm) length	Klemmbereich clamping area	Material material	
121075	1.000	4,0	8,0	2,0 - 4,5	Aluminium	alu
121070	1.000	4,0	10,0	4,0 - 6,5	Aluminium	alu
121071	1.000	4,0	12,0	6,0 - 8,5	Aluminium	alu
121072	1.000	4,0	15,0	9,0 - 11,5	Aluminium	alu
121073	1.000	4,0	18,0	10,0 - 14,5	Aluminium	alu
121074	1.000	4,0	20,0	12,0 - 16,5	Aluminium	alu

### NIETSCHEIBEN 1-Loch

BACK PLATES 1-hole



Art.-Nr. art.no.	VE unit	$\varnothing$ Außen (mm) $\varnothing$ outside	$\varnothing$ Loch (mm) $\varnothing$ hole	Materialstärke (mm) thickness	Material material	
121069	1.000	15,0	5,0	1,0	verzinkt	zinc plated

... für Vollnieten

... for solid rivets

121069	1.000	15,0	5,0	1,0	verzinkt	zinc plated
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... für Alu - Riemennieten

... for alu strap rivets

121076	1.000	12,0	4,0	1,0	verzinkt	zinc plated
121077	1.000	12,0	4,0	1,0	Aluminium	alu

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### UNTERLEGSCHIEBEN FÜR BLINDNIETEN -

zertifiziert für Ladungssicherungsplanen

WASHER FOR BLIND RIVETS - accredited for load securing tarpaulins

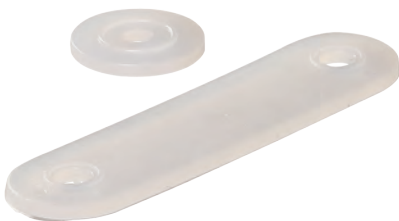
Art.-Nr. <i>art.no.</i>	VE <i>unit</i>	Ø Außen (mm) <i>Ø outside</i>	Ø Loch (mm) <i>Ø hole</i>	Materialstärke (mm) <i>thickness</i>	Material <i>material</i>
121061	1.000	10,0	5,3	1,0	verzinkt <i>zinc plated</i>
121046	1.000	25,0	6,8	1,0	verzinkt <i>zinc plated</i>



### NIETUNTERLAGEN AUS RIEMENMATERIAL - 2,1 mm stark

BACK PLATES made from strap material - material thickness 2,1 mm

Art.-Nr. <i>art.no.</i>	VE <i>unit</i>	Lochabstand (mm) <i>hole spacing</i>	Ausführung <i>design</i>	Farbe <i>color</i>
121008	1.000	-----	1-Loch <i>1-hole</i>	weiß <i>white</i>
121003	1.000	-----	1-Loch <i>1-hole</i>	beige <i>beige</i>
121096	1.000	-----	1-Loch <i>1-hole</i>	schwarz <i>black</i>
121004	500	20,0	2-Loch <i>2-hole</i>	beige <i>beige</i>
121007	500	20,0	2-Loch <i>2-hole</i>	weiß <i>white</i>
121005	500	25,0	2-Loch <i>2-hole</i>	beige <i>beige</i>
121020	500	25,0	2-Loch <i>2-hole</i>	weiß <i>white</i>



### NIETUNTERLAGEN aus Kunststoff PE - 2,5 mm stark

BLACK PLATES made of plastic PE - 2,5 mm thick

Art.-Nr. <i>art.no.</i>	VE <i>unit</i>	Lochabstand (mm) <i>hole spacing</i>	Ausführung <i>design</i>	Farbe <i>color</i>
121001	1.000	-----	1-Loch <i>1-hole</i>	transparent <i>transparent</i>
121012	500	20,0	2-Loch <i>2-hole</i>	transparent <i>transparent</i>
121097	500	25,0	2-Loch <i>2-hole</i>	transparent <i>transparent</i>
121002	500	34,0	2-Loch <i>2-hole</i>	transparent <i>transparent</i>
121006	500	51,0	2-Loch <i>2-hole</i>	transparent <i>transparent</i>



### NIETUNTERLAGEN MIT SELBSTLOCHENDEN NIETEN

mit einer Trägerplatte aus hochwertigem Kunststoff PA 6 und Nieten in Messing vernickelt

*BACK PLATES with self-piercing rivets*

*with a carrier plate made of high-quality plastic PA 6 and brass nickel-plated rivets*

Art.-Nr art.no.	VE unit	Lochabstand (mm) hole spacing	Niethöhe (mm) rivet height	Farbe color
121009	500	20,0	12,0	silber <i>silver</i>
121010	500	20,0	12,0	transparent <i>transparent</i>
121098	500	20,0	9,0	transparent <i>transparent</i>
121099	500	34,0	12,0	transparent <i>transparent</i>
121015	500	51,0	9,0	transparent <i>transparent</i>

passende Handeinsetzwerkzeuge finden Sie ab S.124

*suitable insertion tools can be found from page 124 on.*



### PLASTIKSCHEIBE

*PLASTIC PLATES*

Art.-Nr art.no.	VE unit	Ø Außen (mm) Ø outside	Ø Loch (mm) Ø hole	Farbe color
121088	100	40,0	2,0	weiß <i>white</i>
121089	100	40,0	3,0	weiß <i>white</i>



### NIETUNTERLAGE

*BACK PLATE*

Art.-Nr art.no.	VE unit	Ø Außen (mm) Ø outside	Ø Loch (mm) Ø hole	Farbe color
121087	100	18,0	4,0	grau <i>grey</i>



### K-NIETUNTERLAGE

*K-BACK PLATE*

Art.-Nr. art.no.	VE unit	Lochabstand (mm) hole spacing	Farbe color
121090	100	25,0	grau <i>grey</i>



## K-NIETUNTERLAGE

K-BACK PLATE

Art.-Nr. art.no.	VE unit	Lochabstand (mm) hole spacing	Farbe color
121086	100	34,0	grau grey



## NIETUNTERLAGE

BACK PLATE

Art.-Nr. art.no.	VE unit	Lochabstand (mm) hole spacing	Farbe color
121085	100	51,0	grau grey

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## GEGENPLATTEN TWINFIX\*

Gegenplatte mit Schrauben und selbstsichernden Muttern.  
Zum Verschrauben von Rollen im LKW-Dachbereich

COUNTER PLATES Twinfix\*

a back plate with screws and self-securing nuts.

For the installation of rollers in the rooftop area of trucks.

Art.-Nr. art.no.	VE unit	L (mm) length	B (mm) width	Lochabstand (mm) hole spacing	Schrauben-L (mm) screw-length	Material material
121058	100	45,0	20,0	28,0	12,0	Stahl / Zink-Nickel beschichtet steel / zinc-nickel plated

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## GEGENPLATTEN TWINFIX\*

Gegenplatte mit Schrauben und selbstsichernden Muttern M6 NIROSTA.  
Perfekt zum Verschrauben von Rollen und Spannern geeignet.

COUNTER PLATES Twinfix\*

a back plate with screws and self-securing nuts M6 NIROSTA. Perfect for screwing of rollers and turnbuckles.

Art.-Nr. art.no.	VE unit	L (mm) length	B (mm) width	Lochabstand (mm) hole spacing	Schrauben -L (mm) screw-length	Material material
121011	100	45,0	20,0	28,0	12,0	NIROSTA inox
121019	100	45,0	20,0	28,0	14,0	NIROSTA inox
121100	100	45,0	45,0	28,0	16,0	NIROSTA inox

## lose selbstsichernde Muttern M6

loose self-securing nuts M6

121101	100					NIROSTA inox
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\* zertifiziert für Ladungssicherungsplanen

\* certified for load securing tarpaulins





## KUNSTSTOFFGEGENPLATTEN

mit zwei Schrauben und selbstsichernden Muttern M6 Nirosa

## COUNTER PLATES

with two screws and self-securing nuts M6 inox

Art.-Nr. art.no.	VE unit	L (mm) length	B (mm) width	Lochabstand (mm) hole spacing	Material material
121102	100			28,0	Kunststoff - schwarz plastic - black



## GEGENPLATTEN NIROSTA - mit M6 Muttern und Sperrverzahnung

COUNTER PLATES INOX - with M6 nuts and interlocking

Art.-Nr. art.no.	VE unit	L (mm) length	B (mm) width	Lochabstand (mm) hole spacing	Materialstärke (mm) thickness	Material material
121103	100	45,0	20,0	28,0	6,8	verzinkt zinc plated

lose selbstsichernde Muttern M6 mit Sperrverzahnung

loose self-securing nuts M6 with interlocking

121104	100	NIROSTA	inox			
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## GEGENPLATTEN\*

COUNTER PLATES

Art.-Nr. art.no.	VE unit	L (mm) length	B (mm) width	Lochabstand (mm) hole spacing	Stärke (mm) thickness	Material material
121079	100	34,0	18,0	20,0	6,8	verzinkt zinc plated
121047	100	34,0	18,0	20,0	6,8	NIROSTA inox
121080	100	45,0	20,0	25,0	6,8	verzinkt zinc plated
121021	100	45,0	20,0	28,0	6,8	NIROSTA inox
121081	100	50,0	15,0	34,0	5,0	verzinkt zinc plated
121048	100	50,0	15,0	34,0	5,0	NIROSTA inox
121054	100	70,0	20,0	51,0	5,0	verzinkt zinc plated

\* zertifiziert für Ladungssicherungsplanen

\*certified for load securing tarpaulins



### PLANENHAKEN KUNSTSTOFF - Polyamid 6

TARPAULIN HOOKS plastic - polyamide 6

Art.-Nr. art.no.	VE unit	L (mm) length	B (mm) width	Lochabstand (mm) hole spacing	Farbe color
122001	100   1.000	66,0	20,0	20,0	weiß white
122003	100   1.000	66,0	20,0	20,0	silber silver
122004	100   1.000	66,0	20,0	20,0	schwarz black

### PLANENHAKEN KUNSTSTOFF - offen / rund

TARPAULIN HOOK plastic - open / round



Art.-Nr. art.no.	VE unit	L (mm) length	B (mm) width	Lochabstand (mm) hole spacing	Material material	Farbe color
122081	100	66,0	20,0	20,0	Polyamid PA 6 polyamide PA 66	weiß white
122086	100	66,0	20,0	20,0	Polyamid PA 6 polyamide PA 6	silber silver

### RUNDLOCHPLANENHAKEN - für Seile bis Ø 16 mm

CIRCLE TARPAULIN HOOKS - for cables til Ø 16 mm



Art.-Nr. art.no.	VE unit	L (mm) length	B (mm) width	Lochabstand (mm) hole spacing	Material material	Farbe color
122068	100	66,0	20,0	20,0	Polyamid PA 6 polyamide PA 66	weiß white
122035	100	66,0	20,0	20,0	Polyamid PA 6 polyamide PA 66	silber silver

### PLANENHAKEN Metall

TARPAULIN HOOKS metal



Art.-Nr. art.no.	VE unit	L (mm) length	B (mm) width	Lochabstand (mm) hole spacing	Material material	Farbe color
122005	100	51,0	13,0	20,0	verzinkt	zinc plated
122006	100	65,0	15,0	20,0	verzinkt	zinc plated
122007	100	68,0	20,0	20,0	verzinkt	zinc plated

### PLANENHAKEN Metall

TARPAULIN HOOKS metal



Art.-Nr. art.no.	VE unit	L (mm) length	B (mm) width	Lochabstand (mm) hole spacing	Material material	Farbe color
122024	100	50,0	13,0	20,0	NIROSTA	inox
122025	100	60,0	15,0	20,0	NIROSTA	inox
122026	100	63,0	20,0	20,0	NIROSTA	inox



### RUNDLOCHPLANENHAKEN Metall - für Seile bis Ø 10 mm

ROUND-HOLE HOOKS metal - for cables up to Ø 10 mm

Art.-Nr. art.no.	VE unit	L (mm) length	B (mm) width	Lochabstand (mm) hole spacing	Material material
122029	100	60,0	15,0	20,0	Stahl verzinkt steel zinc plated



### DREILOCHPLANENHAKEN

THREE-HOLE TARPAULIN HOOKS

Art.-Nr. art.no.	VE unit	LA a. (mm) hole spacing a.	LA b. (mm) hole spacing b.	Material material
122030	100	20,0	28,0	Kunststoff - grau plastic - grey
122044	100	20,0	28,0	Stahl - verzinkt steel - zinc plated
122058	100	20,0	28,0	Temperguss - feuerverzinkt malleable iron - fire zinc plated



### KOMBIRINGHAKEN 3-Loch

COMBI-CIRCLE HOOKS 3-hole

Art.-Nr. art.no.	VE unit	LA a. (mm) hole spacing a.	LA b. (mm) hole spacing b.	Material material
122070	100	26,0	31,0	feuerverzinkt hot dip galvanized
122069	100	24,0	28,0	Kunststoff-silber plastic - silver



### RINGHAKEN 2-Loch

CIRCLE HOOK 2-hole

Art.-Nr. art.no.	VE unit	L (mm) length	B (mm) width	Lochabstand (mm) hole spacing	Material material
122079	100	50,0	50,0	30,0	Kunststoff - weiß plastic - white



### ABSPANNHAKEN

GUYING HOOKS

Art.-Nr. art.no.	VE unit	L (mm) length	B (mm) width	Lochabstand (mm) hole spacing	Material material
122014	100	65,0	20,0	45,0	verzinkt zinc plated
122090	100	40,0	48,0	34,0	verzinkt zinc plated
122091	100	28,0	20,0	20,0	NIROSTA inox



ohne Werkzeug montierbar  
can be mounted without any tools

### EXPANDERDOPPELHAKEN

DOUBLE HOOKS for elastic cables

Art.-Nr. art.no.	VE unit	Einsatz application	Material material
122082	100	für Seile bis Ø 8 mm for cables up to Ø 8 mm	Kunststoff - weiß plastic - white
122076	100	für Seile bis Ø 8 mm for cables up to Ø 8 mm	Kunststoff - schwarz plastic - black



### ZURRGURTHAKEN - verzinkt

LASHING STRAP HOOKS - zinc plated

Art.-Nr. art.no.	VE unit	B (mm) width	Ausführung design	Material
122092	1	25,0	Drahhaken	wire hook
122093	1	35,0	Drahhaken	wire hook
122094	1	50,0	Drahhaken	wire hook
122095	1	58,0	Klauenhaken	claw hook
122096	1	50,0	Karabinerhaken	carabine hook



### DRAHTHAKEN

RAVE HOOK

Art.-Nr. art.no.	VE unit	L (mm) length	B (mm) width	Höhe (mm) height	Stärke (mm) thickness	Material material
122015	100	50,0	25,0	35,0	5,0	feuerverzinkt hot dip galvanized



### TORNISTERHAKEN Loch Ø = 7 mm

KNAPSACK HOOK hole Ø = 7 mm

Art.-Nr. art.no.	VE unit	L (mm) length	B (mm) width	Höhe (mm) height	Stärke (mm) thickness	Material material
122072	100	50,0	27,0	15,0	4,0	verzinkt zinc plated



## S-HAKEN

S-HOOKS

Art.Nr. art.no.	VE unit	L (mm) length	Stärke (mm) thickness	Material material
122008	100	30,0	3,0	verzinkt zinc plated
122009	100	40,0	3,8	verzinkt zinc plated
122010	100	45,0	4,5	verzinkt zinc plated
122011	100	60,0	6,0	verzinkt zinc plated
122021	100	35,0	4,0	NIROSTA inox

## EINHÄNGEHAKEN

SUSPENSION HOOK



Art.Nr. art.no.	VE unit	L (mm) length	Stärke (mm) thickness	Material material
122013	100	50,0	4,0	verzinkt zinc plated

## EINHÄNGEHAKEN - einseitig geschlossen

SUSPENSION HOOK - one side closed



Art.Nr. art.no.	VE unit	L (mm) length	Stärke (mm) thickness	Material material
122097		47,0	3,5	verzinkt zinc plated

## FAHNENHALTER

FLAG HOLDER



Art.Nr. art.no.	VE unit	L (mm) length	B (mm) width	Einsatz application	Material material
122027	100	42,0	23,0	für 10 mm Gurtband for 10 mm webbing	Kunststoff - weiß plastic - white

Perfekt geeignet ist hierfür Art.161020 Gurtband Polyester für Fahnenhalter. Weitere Gurt- und Einfaßbänder finden Sie auf Seite 117

Perfect suitable for this flag holder is webbing belt - article number 161020. You can find other webbing and flat belts on page 117



## HALBRUNDRING Kunststoff

SEMICIRCULAR RINGS made from plastic

Art.Nr. art.no.	VE unit	Ø (mm) Ø	Stärke (mm) thickness	Material material
122098	100	25,0	3,7	Nylon nylon

**RUNDRINGE** geschweißt

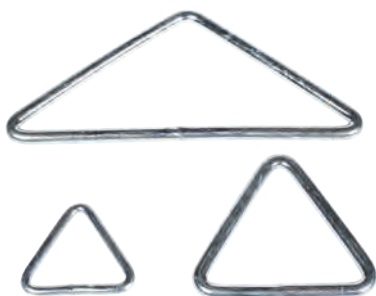
ROUND RINGS welded

Art.Nr. art.no.	VE unit	Ø (mm) Ø	Stärke (mm) thickness	Material material
122099	100	20,0	3,0	verzinkt zinc plated
122100	100	25,0	4,0	verzinkt zinc plated
122104	100	30,0	3,0	verzinkt zinc plated
122105	100	40,0	4,0	verzinkt zinc plated
122106	100	50,0	5,0	verzinkt zinc plated
122107	100	60,0	5,0	verzinkt zinc plated
122108	100	70,0	5,0	verzinkt zinc plated
122112	100	50,0	6,0	NIROSTA INOX

**HALBRUNDRINGE** geschweißt

SEMICIRCULAR RINGS welded

Art.Nr. art.no.	VE unit	Ø (mm) Ø	Stärke (mm) thickness	Material material
122113	100	22,0	3,2	verzinkt zinc plated
122109	100	25,0	4,0	verzinkt zinc plated
122116	100	30,0	5,0	verzinkt zinc plated
122117	100	35,0	5,0	verzinkt zinc plated
122118	100	40,0	5,0	verzinkt zinc plated
122111	100	45,0	5,0	verzinkt zinc plated
122114	100	50,0	5,0	verzinkt zinc plated
122115	100	55,0	5,0	verzinkt zinc plated
122120	100	25,0	4,0	NIROSTA INOX
122119	100	50,0	5,8	NIROSTA INOX

**TRIANGEL RING**

TRIANGLE RING

Art.Nr. art.no.	VE unit	Abmessungen (mm) dimensions	Stärke (mm) thickness	Material material
122121	100	30,0 x 34,0 x 34,0	4,0	verzinkt zinc plated
122122	100	50,0 x 55,0 x 55,0	6,0	verzinkt zinc plated
122123	100	145,0 x 84,0 x 130,0	6,0	verzinkt zinc plated

**RINGKLAUE**

wird zusammengepresst und mit einem Niet geschlossen.

RING CLAW

Is pressed together and closed with a rivet.

Art.Nr. art.no.	VE unit	Ausführung design	Material material
122110	100	1-Loch 1-hole	verzinkt zinc plated
122103	100	2-Loch 2-hole	verzinkt zinc plated



## RINGHALTER

GRIPS FOR RINGS

Art.-Nr. art.no.	VE unit	Lochabstand (mm) hole spacing	Material material
122102	100	20,0	verzinkt zinc plated



## SCHNALLRIEMEN AUS KUNSTSTOFF - beige

BUCKLE STRAPS PVC - beige

Art.-Nr. art.no.	VE unit	Stärke (mm) thickness	L (mm) length	B (mm) width
123002	100	2,1	200,0	20,0
123003	100	2,1	250,0	20,0
123004	100	2,1	300,0	20,0
123005	100	2,1	350,0	20,0
123006	100	2,1	400,0	20,0
123007	100	2,1	500,0	20,0
123008	100	2,1	600,0	20,0
123009	100	2,1	700,0	20,0
123062	100	2,1	800,0	20,0
123066	100	2,1	900,0	20,0
123010	100	2,1	1.000,0	20,0
123067	100	2,1	1.200,0	20,0

Sie benötigen eine andere Länge? Fragen Sie uns einfach danach, wir können Schnallriemen bis 10 m Länge liefern

*In case you need a different length we can offer you buckle straps up to 10 m length. We will be glad to assist you.*



## SCHNALLRIEMEN AUS KUNSTSTOFF - weiß

BUCKLE STRAPS PVC - white

Art.-Nr. art.no.	VE unit	Stärke (mm) thickness	L (mm) length	B (mm) width
123031	100	2,1	250,0	20,0
123032	100	2,1	300,0	20,0
123033	100	2,1	350,0	20,0
123034	100	2,1	500,0	20,0
123035	100	2,1	600,0	20,0
123051	100	2,1	700,0	20,0



## SCHNALLRIEMEN AUS KUNSTSTOFF - schwarz

BUCKLE STRAPS PVC - black

Art.-Nr. art.no.	VE unit	Stärke (mm) thickness	L (mm) length	B (mm) width
123068	100	2,1	200,0	15,0
123069	100	2,1	250,0	20,0
123070	100	2,1	300,0	20,0
123071	100	2,1	400,0	20,0
123072	100	2,1	475,0	15,0
123073	100	2,1	530,0	20,0



## SCHNALLRIEMEN PVC - für Schiebeverdecke

BUCKLE STRAPS PVC - for sliding roofs

Art.-Nr. art.no.	VE unit	L (mm) length	B (mm) width	Stärke (mm) thickness	Farbe color	
123011	100	230,0	20,0	1,5	weiß	white
123075	100	230,0	20,0	1,5	schwarz	black

## EINSCHWEISSPLATTEN

WELDING PLATES

Art.-Nr. art.no.	VE unit	L (mm) length	B (mm) width	Stärke (mm) thickness	Material material	Farbe color
123064	100	60,0	50,0	1,5	PVC Gurtband - RF:1.300 kg PVC-webbing - TS: 1.300 kg	weiß white
123015	100	60,0	60,0	1,5	Panama-Material panama-material	grau grey
123076	100	60,0	60,0	1,5	Panama-Material panama-material	schwarz black
123016	100	70,0	70,0	1,5	Panama-Material panama-material	weiß white
123017	100	80,0	80,0	1,5	Panama-Material panama-material	weiß white
123018	100	100,0	100,0	1,5	Panama-Material panama-material	grau grey
123012	100	60,0	60,0	2,1	Riemenmaterial strap-material	beige beige
123013	100	110,0	90,0	2,1	Riemenmaterial strap-material	weiß white
123014	100	100,0	100,0	2,1	Riemenmaterial strap-material	beige beige
123077	100	70,0	70,0	2,1	Panama-Material panama-material	auf Kundenwunsch on request



## SCHNALLRIEMEN

(Art. 123011) mit PVC-Platte fertig montiert

BUCKLE STRAPS ( art. 123011) ready mounted with a PVC-plate

Art.-Nr. art.no.	VE unit	Platte (mm) plate	L (mm) length	Material material	Farbe color
123078	100	60,0 x 60,0	230,0	Panama panama-material	weiß white
123054	100	100,0 x 100,0	230,0	Panama panama-material	weiß white
123079	100	50,0 x 60,0	230,0	PVC Gurtband - RF:1.300 kg PVC-webbing - TS: 1.300 kg	weiß white





### HALTESTREIFEN PVC PANAMA - für Schiebeverdecke

*HOLDING STRAP PVC PANAMA - for sliding roofs*

Art.-Nr. art.no.	VE unit	B (mm) plate	Lochabstand (mm) hole spacing	Farbe color
123085	50 m   60 m	100,0	935,0	grau grey
123102	50 m   60 m	100,0	935,0	schwarz black
123100	50 m   60 m	100,0	520,0	grau grey



### HALTESTREIFEN PVC - für LKW-Dächer

PVC Gurtband mit aufgeschweißten Einschweißplatten RF: 1.300 kg

*HOLDING STRAPS PVC for lorry roofs*

*PVC webbing belt with welded welding plates TS: 1.300 kg*

Art.-Nr. art.no.	VE unit	B (mm) width	Lochabstand (mm) hole spacing	Farbe color
123088	50 m   60 m	100,0	935,5	weiß white
123103	50 m   60 m	100,0	820,0	weiß white

### PLANENBAND

mit Schlaufen zum Verschweißen

*HOLDING STRAP with loops  
for welding*



ALL IN ONE so lautet die Devise dieser MARKTNEUHEIT! Das neue Planenband zum Verschweißen schafft es diverse Arbeitsschritte zu einem Einzigen zusammenzufassen: Aufschweißen, Befestigungen einfädeln, Fertig !

*ALL IN ONE, thats how you can call this brandnew product. The new holding strap for welding combines some different to only one step. Seal, thread the fastenings, DONE!*

Verarbeitung:  
mit handelsüblichen Schweißautomaten

*Processing:  
with commercial used automatic welding machines*

Art.-Nr. art.no.	VE unit	B (mm) width	Material material	Farbe Color
123104	60 m	100,0	PVC-beschichtetes schweißbares Gurtband pvc-coated weldable webbing	dunkelgrau dark grey



### STRIPPEN Kunststoff 2,1 mm stark - beige

*STRAPS PVC 2,1 mm thick - beige*

Art.-Nr. art.no.	VE unit	L (mm) length	B (mm) width	Lochabstand (mm) hole spacing
123039	100	150,0	20,0	20,0
123042	100	175,0	20,0	20,0
123043	100	190,0	20,0	20,0
123045	100	190,0	25,0	25,0
123055*	100	250,0	20,0	20,0

\*durchgelocht | *punched*



## STRIPPEN Kunststoff 2,1 mm stark - weiß

STRAPS PVC 2,1 mm thick - white

Art.-Nr. art.no.	VE unit	L (mm) length	B (mm) width	Lochabstand (mm) hole spacing
123040	100	150,0	20,0	20,0
123041	100	175,0	20,0	20,0
123044	100	190,0	20,0	20,0
123046	100	190,0	25,0	25,0
123057	100	250,0	20,0	20,0



## SCHNALLKAPPEN Kunststoff, 2,1 mm stark - ohne Unterlage

BUCKLE CAPS PVC 2,1 mm thick - without back plate

Art.-Nr. art.no.	VE unit	B (mm) width	Lochabstand (mm) hole spacing	Farbe color
123019	100	20,0	20,0	beige beige
123053	100	25,0	25,0	beige beige
123036	100	20,0	20,0	weiß white
123052	100	25,0	25,0	weiß white



## SCHNALLKAPPEN Kunststoff, 2,1 mm stark - mit Unterlage

BUCKLE CAPS PVC 2,1 mm thick - with back plate

Art.-Nr. art.no.	VE unit	B (mm) width	Lochabstand (mm) hole spacing	Farbe color
123020	100	20,0	20,0	beige beige
123058	100	25,0	25,0	beige beige
123037	100	20,0	20,0	weiß white
123038	100	25,0	25,0	weiß white
123105	100	20,0	20,0	schwarz black



## VW-STECKER - für Rechteckschlitzösen 27 x 8 mm

VW-STRAP - for 27 x 8 mm rectangular eyelets

Art.-Nr. art.no.	VE unit	Stärke (mm) thickness	Ausführung design	Farbe color
123022	100	2,1	mit Ausbuchtung with protrusion	beige beige
123106	100	2,1	mit Ausbuchtung with protrusion	schwarz black
123023	100	3,0	mit Ausbuchtung with protrusion	transluzent translucent
123107	100	2,1	ohne Ausbuchtung without protrusion	olive olive

**VW-STECKER** - für Ovalösen 42 x 22 mm*VW-STRAP - for 42 x 22 mm oval eyelets*

Art.-Nr.	VE	Stärke (mm)	Farbe	
<i>art.no.</i>	<i>unit</i>	<i>thickness</i>	<i>color</i>	
123021	100	2,1	beige	<i>beige</i>

**STECKSTRIPPE** Kunststoff mit einem Nietloch*PVC INSERTION STRAP with one rivet hole*

Art.-Nr.	VE	L (mm)	B (mm)	Stärke (mm)	Farbe	
<i>art.no.</i>	<i>unit</i>	<i>length</i>	<i>width</i>	<i>thickness</i>	<i>color</i>	
123056	100	150,0	25,0	2,1	beige	<i>beige</i>

**ENDRIEMEN** Kunststoff - mit Halbrundring, 2,1 mm stark*END STRAP plastic - with D-Ring, 2,1 mm thick*

Art.-Nr.	VE	B (mm)	Lochabstand (mm)	Farbe	
<i>art.no.</i>	<i>unit</i>	<i>width</i>	<i>hole spacing</i>	<i>color</i>	
123050	100	20,0	20,0	beige	<i>beige</i>
123108	100	20,0	20,0	oliv	<i>olive</i>

**AUFROLLRIEMEN** Kunststoff - 2,1 mm stark*ROLL-UP STRAP plastic - 2,1 mm thick*

Art.-Nr.	VE	L (mm)	B (mm)	Lochabstand (mm)	Farbe	
<i>art.no.</i>	<i>unit</i>	<i>length</i>	<i>width</i>	<i>hole spacing</i>	<i>color</i>	
123024	100	300,0	20,0	20,0	beige	<i>beige</i>
123025	100	400,0	20,0	20,0	beige	<i>beige</i>
123026	100	500,0	20,0	20,0	beige	<i>beige</i>
123047	100	300,0	20,0	20,0	weiß	<i>white</i>
123048	100	400,0	20,0	20,0	weiß	<i>white</i>
123049	100	500,0	20,0	20,0	weiß	<i>white</i>
123109	100	400,0	20,0	20,0	olive	<i>olive</i>
123110*	100	400,0	20,0	20,0	schwarz*	<i>black*</i>

\*Mit verzinktem Metallbeschlag

\*With galvanized metal fittings



### AUFROLLSATZ mit verzinktem Drahhaken und Schutz

ROLL-UP END-STRAP with zinc plated rave hook and back plate

Art.-Nr. art.no.	VE unit	B (mm) width	Lochabstand (mm) hole spacing	Farbe color	
123029	100	20,0	20,0	beige	beige
123059	100	20,0	20,0	weiß	white
123028	100	25,0	20,0	beige	beige
123111	100	20,0	20,0	schwarz	black



### AUFROLLSATZ mit verzinktem Drahhaken ohne Schutz

ROLL-UP END-STRAP with zinc plated rave hook without back plate

Art.-Nr. art.no.	VE unit	B (mm) width	Lochabstand (mm) hole spacing	Farbe color	
123027	100	20,0	20,0	beige	beige
123001	100	20,0	20,0	weiß	white



### AUFROLLSATZ mit verzinktem Flachhaken und Schutz

ROLL-UP END-STRAP with zinc plated flat hook and back plate

Art.-Nr. art.no.	VE unit	B (mm) width	Lochabstand (mm) hole spacing	Farbe color	
123030	100	25,0	20,0	beige	beige



### ROLLSCHNALLE - für 20 mm Riemen/Gurte

ROLL BUCKLE - for 20 mm straps and webbings

Art.-Nr. art.no.	VE unit	Material material	
123060	100	verzinkt	zinc plated



### SCHLAUFEN - für 20 mm Riemen/Gurte

LOOPS - for 20 mm straps and webbings

Art.-Nr. art.no.	VE unit	Material material	
123112	100   1.000	verzinkt	zinc plated



## ZOLLVERSCHLUSSRIEMEN transluzent

TIR STRAP transluzent

Art.-Nr. art.no.	VE unit	B (mm) width	Stärke (mm) thickness
123086	50 m	15,0	3,0
123080	50 m	20,0	3,0
123081	50 m	22,0	3,0
123082	50 m	24,0	3,0



## RIEMENMATERIAL 2,1 mm stark

STRAPMATERIAL 2,1 mm thick

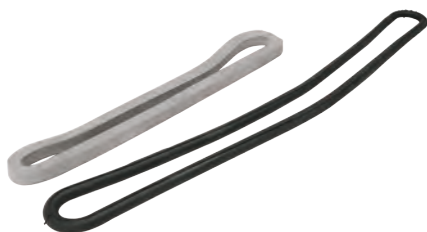
Art.-Nr. art.no.	VE unit	B (mm) width	Farbe color
123084	50 m	20,0	beige beige
123083	50 m	24,0	beige beige
123087	50 m	24,0	oliv oliv
123089	50 m	24,0	schwarz black



## PLAKATHALTER - UV-beständig

POSTER HOLDER - UV-resistant

Art.-Nr. art.no.	VE unit	L (mm) length	Farbe color
124013	100	75,0	hellgrau / weiß lightgrey / white



## GUMMISPANNRINGE

RUBBER TENSIONERS

Art.-Nr. art.no.	VE unit	L (mm) length	Material Material	Farbe color
124024	100	100,0	UV-stabil UV-resistant	grau grey
124025	100	120,0	UV-stabil UV-resistant	grau grey
124009	100	140,0	UV Stabil UV-resistant	grau grey
124002	100	200,0	EPDM - UV Stabil EPDM - UV-resistant	schwarz black
124004	100	250,0	EPDM - UV Stabil EPDM - UV-resistant	schwarz black
124006	100	400,0	EPDM - UV Stabil EPDM - UV-resistant	schwarz black



### GUMMISPANNRINGE mit S-Haken 45 x 4,5 mm

RUBBER TENSIONERS assembled with S-hook 45 x 4,5 mm

Art.-Nr. art.no.	VE unit	L (mm) length	Material Material	Farbe color
124012	100	200,0	EPDM - UV Stabil EPDM - UV-resistant	schwarz black
124015	100	250,0	EPDM - UV Stabil EPDM - UV-resistant	schwarz black
124016	100	400,0	EPDM - UV Stabil EPDM - UV-resistant	schwarz black



### GUMMISTROPFEN - EPDM - UV stabil

RUBBER TENSIONERS - EPDM - UV solid

Art.-Nr. art.no.	VE unit	L (mm) length	B (mm) width	Ausführung design	Farbe color
124010	100	180,0	25,0	1-stufig 1-stepped	schwarz black
124019	100	190,0	29,0	2-stufig verstellbar 2-stepped adjustable	weiß white
124011	100	250,0	25,0	1-stufig 1-stepped	schwarz black
124007	100	260,0	25,0	3-stufig verstellbar 3-stepped adjustable	schwarz black
124020	100	280,0	26,0	4-stufig verstellbar 4-stepped adjustable	schwarz black
124018	100	280,0	24,0	4-stufig verstellbar 4-stepped adjustable	weiß white



### LEITERGUMMI

CONTINUOUS CHAIN TENSIONER

Art.-Nr. art.no.	VE unit	B (mm) width
124014	10 m	30,0

#### EPDM –

Ethylen-Propylen-Dien-Kautschuk  
Ist ein sogenannter synthetischer Kautschuk.

#### EIGENSCHAFTEN

- Sehr gute Alterungsbeständigkeit
- Sehr gute UV-Beständigkeit
- Temperaturbeständigkeit von - 30°C – + 120°C
- Überdurchschnittlich gute Chemikalienbeständigkeit
- Nicht Mineralölbeständig
- Schlechte Verklebbarkeit

#### EPDM -

ethylene-propylene-diene rubber  
Is a so-called synthetic rubber.

#### CHARACTERISTICS

- Very good aging resistance
- Very good UV-resistance
- Temperature resistance from -30°C – + 120°C
- Above average good chemical resistance
- Not mineral oil-resistant
- Poor glueability