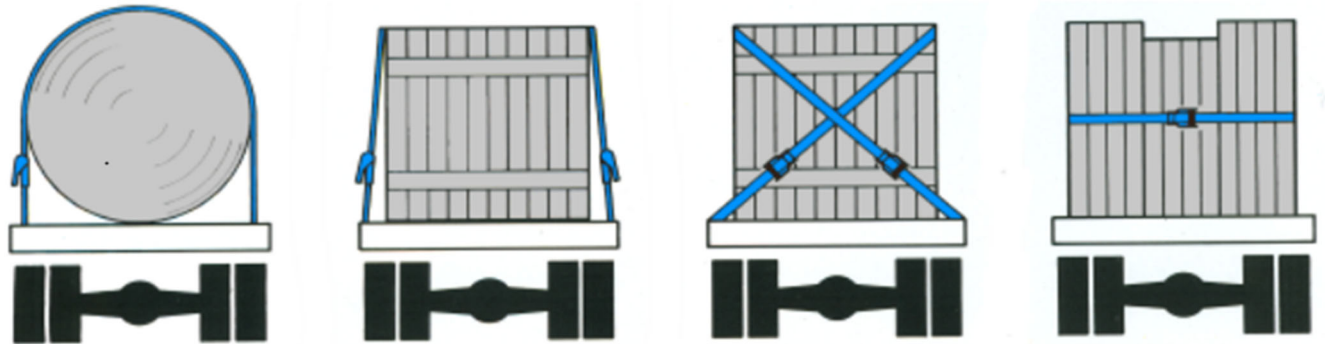


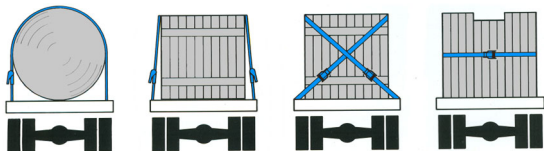


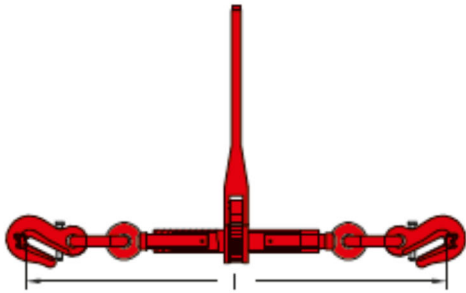
SJORMATERIALEN - SYSTEME D'ARRIMAGE - LASHING COMPONENTS - LADUNGSSICHERUNG

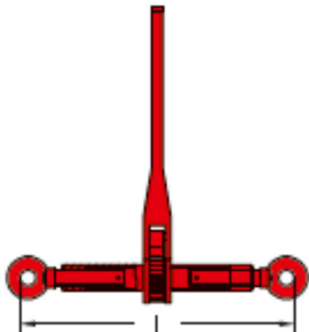


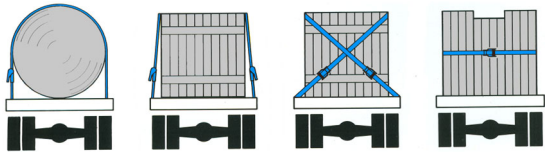


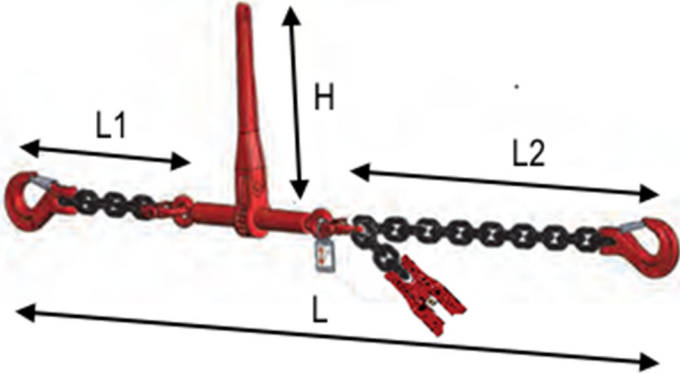
LADINGZEKERING VOOR WEGTRANSPORT CONFORM EN12195-3
SYSTÉMES D'ARRIMAGE POUR TRANSPORT ROUTIER CONFORME EN12195-3
LASHING SYSTEMS FOR ROAD TRANSPORT CONFORM EN12195-3
LADUNGSSICHERUNG FOR STRASSENVERKEHR KONFORM EN12195-3

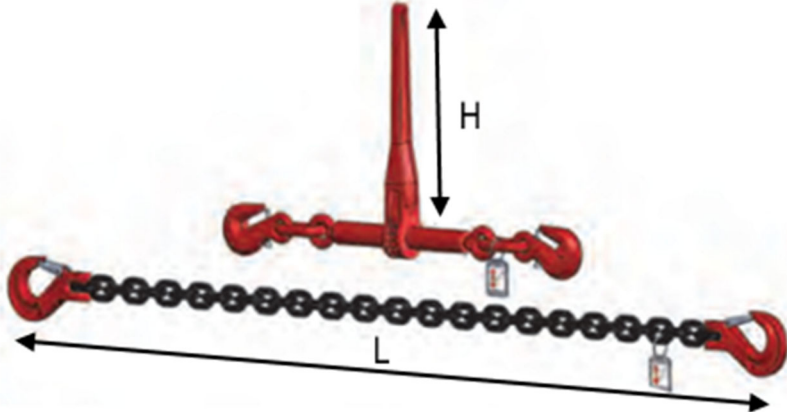


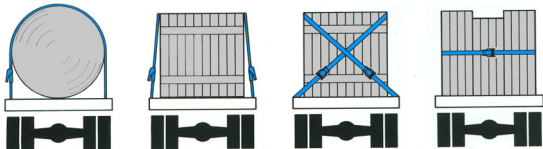
Ratelspanner Type RLSP Volgens EN 12195-3 Grade 80		Tendeur à cliquet Type RLSP Conforme EN 12195-3 Grade 80		Ratchet - Load Binder Type RLSP Conform EN 12195-3 Grade 80		Ratschen Lastenspanner Type RLSP Volgens EN 12195-3 Grade 80	
							
Nominale maat Désignation Nominal size Nenngröße	Trekkraft Charge de tendeur Pull limit Zugkraft (LC-daN)	Handgreep Manivel Handle Hebel	Stf (daN)	I MIN.	I MAX	Spanlengte Longeur-tendeur Take-up Spannlänge	Art.NR Code Art. Stock No. Art.Nr.
6mm	2200	190	550	412	502	90	256454506
8mm	4000	190	1000	588	738	150	256454508
10mm	6300	220	1575	630	780	150	256454510
13mm	10000	350	1500	722	872	160	256454513
16mm	16000	350	2400	784	914	163	256454516

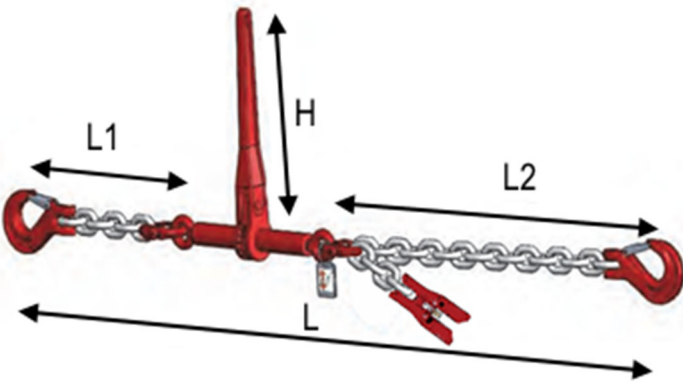
Ratelspanner Type RLSPZ Volgens EN 12195-3 Grade 80		Tendeur à cliquet Type RLSPZ Conforme EN 12195-3 Grade 80		Ratchet - Load Binder Type RLSPZ Conform EN 12195-3 Grade 80		Ratschen Lastenspanner Type RLSPZ Volgens EN 12195-3 Grade 80	
							
Nominale maat Désignation Nominal size Nenngröße	Trekkraft Charge de tendeur Pull limit Zugkraft (LC-daN)	Handgreep Manivel Handle Hebel	Stf (daN)	I MIN.	I MAX	Spanlengte Longeur-tendeur Take-up Spannlänge	Art.NR Code Art. Stock No. Art.Nr.
8mm	4000	190	1000	360	510	150	256452108
10mm	6300	220	1575	360	510	150	256452110
13mm	10000	350	1500	366	516	150	256452113
16mm	16000	350	2400	390	520	130	256452116

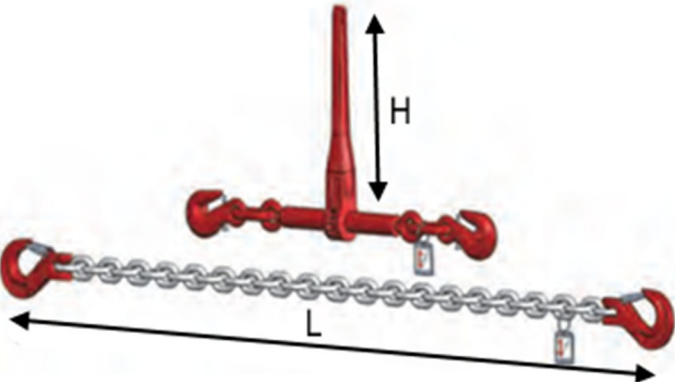


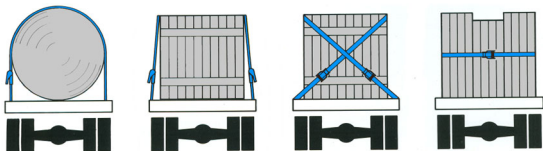
Sjorketting met ratelspanner Type RLSP-AB-CX Volgens EN 12195-3 Grade 80 / EN818-2	Chaine d'arrimage avec tendeur Type RLSP-AB-CX Conforme EN 12195-3 Grade 80 / EN818-2	Lashingchain with Load Binder Type RLSP-AB-CX Conform EN 12195-3 Grade 80 / EN818-2	Zurrkette mit Ratschenlastspanner Type RLSP-AB-CX Volgens EN 12195-3 Grade 80 / EN818-2							
 Varianten op aanvraag Variants sur demande Tailor made on request Varianten auf anfrage										
Nominale maat Désignation Nominal size Nenngrosse	Trekkracht Charge de tendeur Pull limit Zugkraft (LC-daN)	Stf (daN)	H	L1 mm	L2 mm	L mm	Spanlengte Longeur-tendeur Take-up Spannlänge	€ +/- 1m	Art.NR Code Art. Stock No. Art.Nr.	€
6mm	2200	550	190	224	3044	3500	90		RLSPABCX06	
8mm	4000	1000	190	293	2847	3500	150		RLSPABCX08	
10mm	6300	1575	220	357	2783	3500	150		RLSPABCX10	
13mm	10000	1500	350	450	2684	3500	150		RLSPABCX13	
16mm	16000	2400	350	546	2564	3500	130		RLSPABCX16	

Set Ratelspanner + sjorketting Type RLSP-SB Volgens EN 12195-3 Grade 80 / EN818-2	Tendeur à cliquet + Chaîne d'arrimage Type RLSP-SB Conforme EN 12195-3 Grade 80 / EN818-2	Ratchet-Load Binder + Lashing Chain Type RLSP-SB Conform EN 12195-3 Grade 80 / EN818-2	Ratschenlastenspanner + Zurrkette Type RLSP-SB Volgens EN 12195-3 Grade 80 / EN818-2					
 Varianten op aanvraag Variants sur demande Tailor made on request Varianten auf anfrage								
Nominale maat Désignation Nominal size Nenngrösse	Trekkracht Charge de tendeur Pull limit Zugkraft (LC-daN)	Stf (daN)	Handgreep Manivel Handle Hebel H	L mm	Spanlengte Longeur-tendeur Take-up Spannlänge	€ +/- 1m	Art.NR Code Art. Stock No. Art.Nr.	€
6mm	2200	550	190	3500	90		RLSPSB06	
8mm	4000	1000	190	3500	150		RLSPSB08	
10mm	6300	1575	220	3500	150		RLSPSB10	
13mm	10000	1500	350	3500	150		RLSPSB13	
16mm	16000	2400	350	3500	130		RLSPSB16	



Sjorketting met ratelspanner Type RLSP-AG-CX Volgens EN 12195-3 Grade 80 / EN818-2 / Verzinkt		Chaine d'arrimage avec tendeur Type RLSP-AG-CX Conforme EN 12195-3 Grade 80 / EN818-2 / Galvanisé		Lashingchain with Load Binder Type RLSP-AG-CX Conform EN 12195-3 Grade 80 / EN818-2 / Galvanised		Zurrkette mit Ratschenlastspanner Type RLSP-AG-CX Volgens EN 12195-3 Grade 80 / EN818-2 / Verzinkt				
 Varianten op aanvraag Variants sur demande Tailor made on request Varianten auf anfrage										
Nominale maat Désignation Nominal size Nenngrösse	Trekkraft Charge de tendeur Pull limit Zugkraft (LC-daN)	Stf (daN)	Handgreep Manivel Handle Hebel H	L1 mm	L2 mm	L mm	Spanlengte Longeur-tendeur Take-up Spannlänge	€ +/- 1m	Art.NR Code Art. Stock No. Art.Nr.	€
6mm	2200	550	190	224	3044	3500	90		RLSPAGCX06	
8mm	4000	1000	190	293	2847	3500	150		RLSPAGCX08	
10mm	6300	1575	220	357	2783	3500	150		RLSPAGCX10	
13mm	10000	1500	350	450	2684	3500	150		RLSPAGCX13	
16mm	16000	2400	350	546	2564	3500	130		RLSPAGCX16	

Set Ratelspanner + sjorketting Type RLSP-SG Volgens EN 12195-3 Grade 80 / EN818-2 / Verzinkt		Tendeur à cliquet + Chaine d'arrimage Type RLSP-SG Conforme EN 12195-3 Grade 80 / EN818-2 / Galvanisé		Ratchet-Load Binder + Lashing Chain Type RLSP-SG Conform EN 12195-3 Grade 80 / EN818-2 / Galvanised		Ratschenlastenspanner + Zurrkette Type RLSP-SG Volgens EN 12195-3 Grade 80 / EN818-2 / Verzinkt		
 Varianten op aanvraag Variants sur demande Tailor made on request Varianten auf anfrage								
Nominale maat Désignation Nominal size Nenngrösse	Trekkraft Charge de tendeur Pull limit Zugkraft (LC-daN)	Stf (daN)	Handgreep Manivel Handle Hebel H	L mm	Spanlengte Longeur-tendeur Take-up Spannlänge	€ +/- 1m	Art.NR Code Art. Stock No. Art.Nr.	€
6mm	2200	550	190	3500	90		RLSPSG06	
8mm	4000	1000	190	3500	150		RLSPSG08	
10mm	6300	1575	220	3500	150		RLSPSG10	
13mm	10000	1500	350	3500	150		RLSPSG13	
16mm	16000	2400	350	3500	130		RLSPSG16	

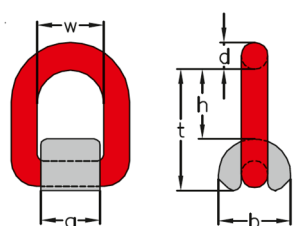


Lasbeugel met veer
Type APAM

Anneaux de levage à souder avec ressort
Type APAM

Weld-on lashing eye with spring
Type APAM

Anschweiss-bügel mit feder
Type APAM

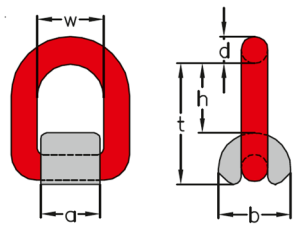
Nominale maat Désignation Nominal size Nenngrosse	WLL CMU Kg	Trekkraft Charge de tendeur Pull limit Zugkraft (LC-daN)	a mm	b mm	d mm	h mm	t mm	w mm	Art.NR Code Art. Stock No. Art.Nr.	
1	1120	2240	36	38	13	38.5	67	40	32401120	
2	2000	4000	38	40	14	43	78	42	32402000	
3	3150	6300	43	45	17	48.5	83	45	32403150	
5	5300	10600	50	60	22	57	101	55	32405300	
8	8000	16000	65	70	26	67	118	70	32408000	
15	15000	30000	90	90	34	93.5	159	97	32415000	

Lasbeugel zonder veer
Type APAZ

Anneaux de levage à souder sans ressort
Type APAZ

Weld-on lashing eye without spring
Type APAZ

Anschweiss-bügel ohne feder
Type APAZ

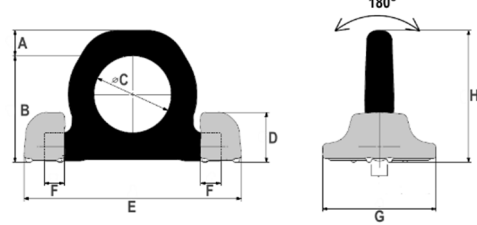
Nominale maat Désignation Nominal size Nenngrosse	WLL CMU Kg	Trekkraft Charge de tendeur Pull limit Zugkraft (LC-daN)	a mm	b mm	d mm	h mm	t mm	w mm	Art.NR Code Art. Stock No. Art.Nr.	
1	1120	2240	36	38	13	38.5	67	40	32421120	
2	2000	4000	38	40	14	43	78	42	32422000	
3	3150	6300	43	45	17	48.5	83	45	32423150	
5	5300	10600	50	60	22	57	101	55	32425300	
8	8000	16000	65	70	26	67	118	70	32428000	
15	15000	30000	90	90	34	93.5	159	97	32429000	

Lasbaar Sjorrog – 180°
met dubbele lasbasis
Type 821X
Niet geschikt voor hijsdoeleinden

Anneaux d'arrimage – 180°
à souder avec double base
Type 821X
Interdit pour operation de lavage.

Weld-on Lashing Ring -180°
with double welding base
Type 821X
No Lifting Use.

Anschweiss-Zurrbügel -180°
Mit doppelter Anschweissbasis
Type 821X
Nicht zum heben.

Trekkraft Charge de tendeur Pull limit Zugkraft (LC-daN)	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	Art.NR Code Art. Stock No. Art.Nr.	
8000	14	65	48	29	134	14	60	79	C821X08	
13400	20	83	60	39	169	16	88	103	C821X134	
20000	22	96	65	48	196	19	98	118	C821X20	
30000	31	126	90	55	264	29	127	155	C821X32	

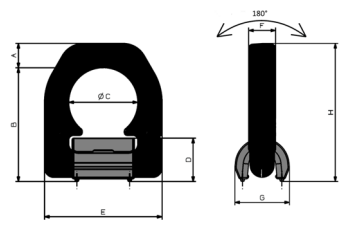
EN12640 - EN75410 - EN12195-1

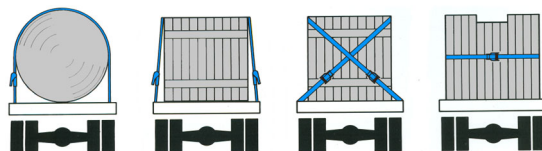
Lasbaar Sjorrog – 180°
met enkele lasbasis
Type 831X
Niet geschikt voor hijsdoeleinden

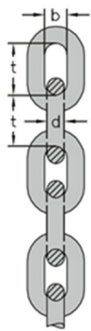
Anneaux d'arrimage – 180°
à souder avec base
Type 831X
Interdit pour operation de lavage.

Weld-on Lashing Ring -180°
with welding base
Type 831X
No Lifting Use.

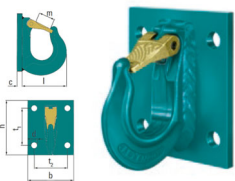
Anschweiss-Zurrbügel -180°
Mit Anschweissbasis
Type 831X
Nicht zum heben.

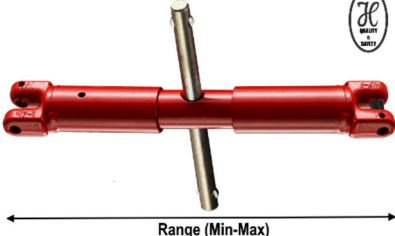
Trekkraft Charge de tendeur Pull limit Zugkraft (LC-daN)	A mm	B mm	C mm	D mm	E mm	F mm	G mm	H mm	Art.NR-Code Art. Stock No.-Art.Nr.		
									Met veer Avec ressort With spring Mit Feder	Zonder veer Sans ressort Without spring Ohne Feder	
3000	14	65	38	25	66	16	31	79	C831X03M	C831X03	EN12640 - EN75410 - EN12195-1
5000	16	75	45	27	77	18	34.5	91	C831X05M	C831X05	
8000	18	84	51	32	87	20	40	102	C831X08M	C831X08	
13400	24	117	67.3	44	115	26	58.5	141	C831X134M	C831X134	
20000	31	126	67	55	129	28.5	70.5	157	C831X20M	C831X20	
30000	45	174	100	69	190	42	87	219	C831X32M	C831X32	

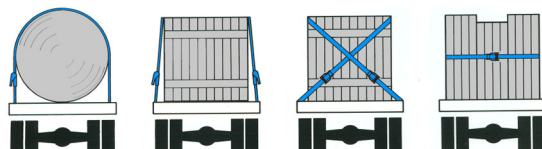


Ketting EN 818-2 - Grade 80 Zwart gelakt		Chaîne EN 818-2 - Grade 80 Laquées noir		Chain EN 818-2 - Grade 80 Black Painted		Kette EN 818-2 Grade 80 - Schwarz lackiert			
Nominale maat Désignation Nominal size Nenngrösse	WLL CMU	Trekkracht Charge de tendeur Pull limit Zugkraft	t	b	Kg	Standard L	Art.NR Code Art. Stock No. Art.Nr.	€	
mm	inch	[t]	(LC-daN)	mm	mm	/m	m		
6-8	1/4	1.12	2200	18	8.0	0.8	50	CNC1818206	
7-8	9/32	1.50	3000	21	10.5	1.1	50	CNC1818207	
8-8	5/16	2.00	4000	24	10.8	1.5	50	CNC1818208	
10-8	3/8	3.15	6300	30	13.5	2.3	50	CNC1818210	
13-8	1/2	5.30	10600	39	17.5	3.8	50	CNC1818213	
16-8	5/8	8.00	16000	48	21.5	6.1	50	CNC1818216	
20-8	¾	12.5	25000	60	27.0	9.0	50	CNC1818220	
22-8	7/8	15	30000	66	29.5	10.9	50	CNC1818222	
26-8	1	21.2	42400	78	35.0	15.2	50	CNC1818226	

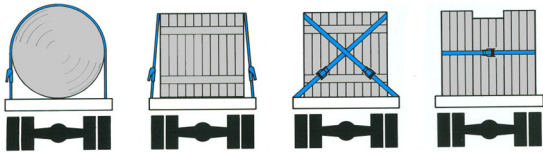
Lashaak met klep Type TAHK		Crochet à godet à souder Type TAHK					Weld-on hook Type TAHK		Anschweisshaak Type TAHK	
Nominale maat Désignation Nominal size Nenngrösse WLL-CMU	a mm	b mm	c mm	h mm	l mm	m mm	Art.NR Code Art. Stock No. Art.Nr.			
1.40[t]	5	40	10	90	68	22	362706000			
2.50[t]	5	50	10	115	90	30	362708000			
4.00[t]	5	60	15	140	105	37	362710000			
6.70[t]	5	70	15	175	135	47	362713000			
10.00[t]	5	80	15	210	140	51	362716000			

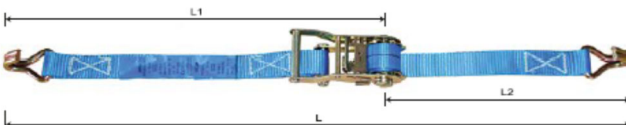
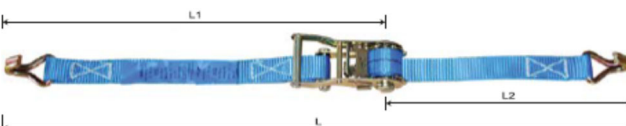
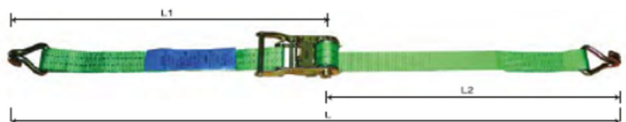
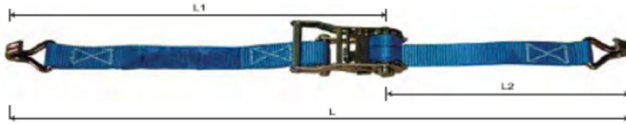
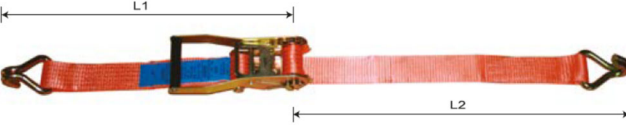
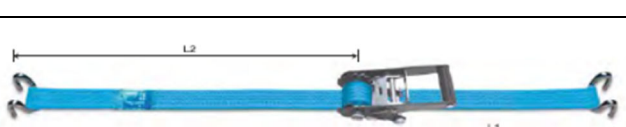
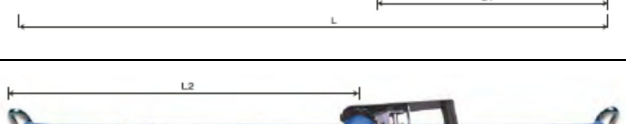
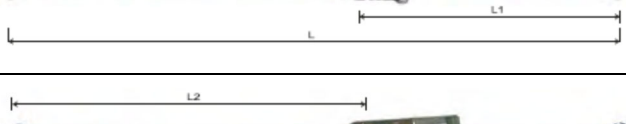
Haak schroefbaar				Crochet à boulonner						Hook Bolt-on		Anschraubhaak	
Type TAHKG				Type TAHKG						Type TAHKG		Type TAHKG	
Nominale maat Désignation Nominal size Nenngrösse WLL-CMU	b mm	c mm	d mm	h mm	l mm	m mm	t1 mm	t2 mm	a 8.8	Art.NR Code Art. Stock No. Art.Nr.			
1.40[t]	100	10	13	100	68	22	60	70	M12	362806000			
2.50[t]	110	10	13	135	85	30	75	80	M12	362808000			
4.00[t]	130	12	17	155	110	37	100	95	M16	362810000			
6.70[t]	160	15	22	185	135	47	120	110	M20	362813000			
10.00[t]	180	15	26	220	140	51	150	120	M24	362816000			

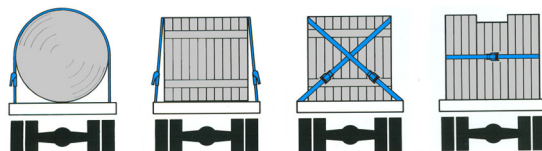
Spindelspanner Grade 80 Type SPDJJ DIN EN 1677-1 / DIN EN 12195-3			Elément de serrage de la tige Grade 80 Type SPDJJ DIN EN 1677-1 / DIN EN 12195-3				Spindle tensioning devices Grade 80 Type SPDJJ DIN EN 1677-1 / DIN EN 12195-3			Spindelspanner Grade 80 Type SPDJJ DIN EN 1677-1 / DIN EN 12195-3	
Nominale maat Désignation Nominal size Nenngrösse	Lifting WLL CMU [t]	Lashing LC Max [kN]	Thread Design mm	Range Min mm	Range Max mm	Take- Up mm	KG	Art.NR Code Art. Stock No. Art.Nr.	€	 Range (Min-Max)	
6-8	1.12	22	M12	230	320	90	1.00	DK31801006			
8-8	2.00	40	TR16	330	445	115	1.90	DK31801008			
10-8	3.15	63	TR22	460	670	220	4.15	DK31801010			
13-8	5.30	100	TR22	520	770	250	6.45	DK31801013			
16-8	8.00	160	TR30	540	790	250	9.45	DK31801016			
DIN EN 1677-1: Gebruikt als hijskettingcomponent voor variabele lengte instelling van de kettingleng DIN EN 12195-3: Gebruikt als sjorkettingcomponent voor variabele lengte instelling van de kettingleng DIN EN 1677-1: utilisé comme élément de chaîne de levage pour un réglage de la longueur des élingues DIN EN 12195-3: utilisé comme élément de chaîne d'arrimage pour un réglage de la longueur de l'élingue DIN EN 1677-1-G80: Used as lifting chain component for variable length adjustment of chain sling. DIN EN 12195-3-Grade80: Used as a lashing chain component for variable length adjustment of the chain sling DIN EN 1677-1: Verwendung als Hebekettenbauteil zur variablen Längenverstellung von Anschlagketten DIN EN 12195-3: Verwendung als Zurrkettenbauteil zur variablen Längenverstellung des Kettengehänges											
• Spindel met uitdraiblokkering en schroefdraadbescherming • Tige avec blocage de la sortie & avec protection du filetage • Spindle with turn-out lock and thread protection • Spindel Ausdrehsicherung und Gewindeschutz											

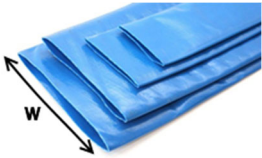
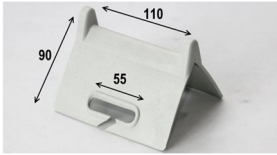
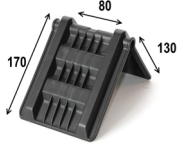
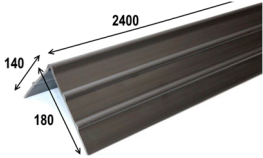
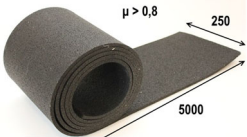
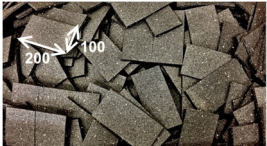


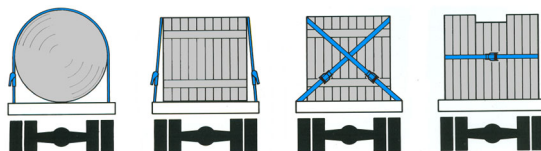
Sjorband met ratelgesp Type DSJ			Sangle d'arrimage avec tendeur Type DSJ		Lashing strap with Ratchet Tie Down Type DSJ		Ratschen Zurrgurt Typ DSJ		
									
VDI 2700,2701,2702 DIN - EN 12195-2			DSJ50 Ergo XL	DSJ50 Ergo	DSJ50	DSJ40	DSJ20	DJS15	DSJ10
									
Breedte-Largeur-Width-Breite (mm)			50	50	50	50	35	25	25
LC (daN)	Sjorkracht Charge de tendeur Lashing limit Zugkraft		2500	2500	2500	2000	1000	750	500
			5000	5000	5000	4000	2000	1500	1000
Stf (daN)	Standard Tension Force		750	500	250	250	200	250	250
Type Terminations	UP		◆	◆	8M-9M	8M-9M	6M		4M
	SP		9M	9M	8M-9M	8M-9M	6M	4M-6M	4M
	PL			◆		◆			
	HT			◆		◆	◆		
	FP			◆		◆			
	PH			◆		◆			
	TR			◆		◆			
	EL	Eindloos Sans fin Endless Endlöse	◆	◆	◆	◆	◆	◆	◆

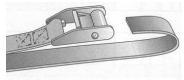


Standard Program										
Sjorband met ratelgesp Type DSJ	Sangle d'arrimage avec tendeur Type DSJ	Lashing Ratchet Tie Down Type DSJ				Ratschen Zurrgurt Typ DSJ				
EN 12195-2		Termination	Art.Nr.	L1	L2	L	 LC	 LC	STF	Breedte Largeur Width Breite
				m	m	m	daN	daN	daN	mm
		SP	DSJ10SP04	0.5	3.5	4	500	1000	220	25
		SP	DSJ15SP04 DSJ15SP06	0.5 0.5	3.5 3.5	4 6	750 750	1500 1500	220 220	25 25
		SP	DSJ20SP06	0.5	5.5	6	1000	2000	220	35
		SP SP	DSJ40SP08 DSJ40SP09	0.5 0.5	7.5 8.5	8 9	2000 2000	4000 4000	500 500	50 50
		SP SP	DSJ50SP08 DSJ50SP09	0.5 0.5	7.5 8.5	8 9	2500 2500	5000 5000	500 500	50 50
		UP	DSJ10UP04	0.5	3.5	4	500	1000	220	25
		UP	DSJ20UP04	0.5	3.5	4	1000	2000	220	35
		UP UP	DSJ40UP08 DSJ40UP09	0.5 0.5	7.5 8.5	8 9	2000 2000	4000 4000	500 500	50 50
		UP UP	DSJ50UP08 DSJ50UP09	0.5 0.5	7.5 8.5	8 9	2500 2500	5000 5000	500 500	50 50



KANTEN-BESCHERMING TOEBEHOREN		PROTECTION DE COIN ACCESSOIRES	HOOK PROTECTION ACCESSORIES	KANTENSCHUTZ ZUBEHÖR
PES	W:25mm		HPX25PES	
	W:35mm		HPX35PES	
	W:50mm		HPX50PES	
	W:75mm		HPX75PES	
PVC	W:25mm		HPX25PVC	
	W:35mm		HPX35PVC	
	W:50mm		HPX50PVC	
	W:75mm		HPX75PVC	
PE	W:50mm		HKPX	
	W:75mm			
PE	W:50mm		HKPX50	
PE	W:75mm		HKPX75	
PE	2400mm		HKPROFILE240	
Anti-slip 8mm $\mu > 0,8$			ASM8R500	
Anti-slip 8mm $\mu > 0,8$			ASM8P10X20	
STF-Tester			STFT	



Sjorband met klemgesp Type DKL L:2.5M-4M-6M	Sangle avec boucle de pression Type DKL L:2.5M-4M-6M	Lashing strap with Buckle Type DKL L:2.5M-4M-6M	Zurrgurt mit gurtklem Typ DKL L:2.5M-4M-6M
Trekkraft Charge de tendeur Load limit Zugkraft	Type H 	Type O 	25a 250kg
		25b 350kg	25c 450kg
		25d 600kg	25e 650kg
			

Sjorband ROLL-UP Type DSJRU	Sangle ROLL-UP Type DSJRU	Lashing strap ROLL-UP Type DSJRU	Zurrgurt ROLL-UP Typ DSJRU
			

Afdeknetten voor containers (PP) met randkoord Type CCN		Filet de benne pour container (PP) Renforce a. corde (contour) Type CCN		Containernet (PP) With rope-edge Type CNN		Containernetz (PP) Mit randleine Typ CNN		
(PP=Polypropyleen)								
Art.NR Code Art. Stock No. Art.Nr.	L	B	#	Ø	Kg			
CNN252050	2.5m	2m	50mm	3mm	1.5			
CNN352550	3.5m	2.5m	50mm	3mm	2			
CNN355050	3.5m	5m	50mm	3mm	2.7			
CNN356050	3.5m	6m	50mm	3mm	4.9			
CNN357050	3.5m	7m	50mm	3mm	5.7			
CNN358050	3.5m	8m	50mm	3mm	6.7			

Identificatieplaatje EN12193-3	Plaquette de marquage EN12193-3	Identification tag – EN12193-3	Anhänger EN12193-3	
1: EU Norm 2: Norm sjorketting 3: Ø Ketting 4:Voorspankracht 5:Sjor capaciteit	1: EU Norm 2: Norm Chaîne d'arrimage 3: Ø Chaîne 4: Force de précontrainte 5: Capacité d'arrimage	1: EU Norm 2: Norm Lashing Chain 3: Ø Chain 4:Pre-Tension Force 5:Lashing Capacity	1: EU Norm 2: Norm Zurrkette 3: Ø Kette 4:Vorspankraft 5:Zurrkraft	
Set ID TAG ALU 55x40x3+kabel	Set ID TAG ALU 55x40x3+Cable	Set ID TAG ALU 55x40x3+WR	Set IDTAG ALU 55x40x3+Kabel	Art.NR Code Art. Stock No. Art.Nr.
ID-TAG ALU 55x40x3	ID-TAG ALU 55x40x3	ID-TAG ALU 55x40x3	ID-TAG ALU 55x40x3	220427
Kabel Ø4x250+klem	Cable Ø4x250+Ferrule	Wire Rope Ø4x250+Ferrule	Kabel Ø4x200+Pressklem	220428
				299911001

