SUHE

SUHE



2020/2021
PRODUCTS ALBUM

POLYSTER SLING AND RATCHET TIE DOWN

FLAT SLING
ENDLESS SLING
ROUND SLING
RATCHET TIE TOWN
END FITTINGS
SAFETY HARNESS

CHONGQING TITAN SUHE TECH CO., LTD

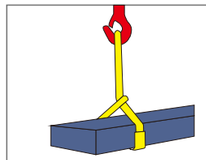
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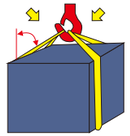
INSTRUCTION OF WEBBING SLING AND ROUND SLING



Check whether the slings are in good condition.



Use a protection sleeve in case of lifting items with sharp edges.



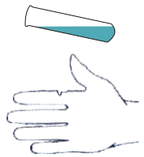
Pay attention to lifting angle.



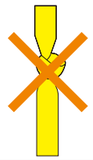
Do not allow rest the load on the sling. Do not drag the load on the sling.



Do not overload and take notice of the temperature.



Be careful with chemicals.



Slings should never knotted or twisted.



Do not use damaged slings.

APPLICATION DIRECTION WEBBING SLINGS

- Do not exceed working load limit. If use several pieces together, the load shall be equally distributed on several slings as much as possible.
- Do not drag and drop while moving the webbing slings and cargos.
- Never make knots in a sling. Not allowed the sling hanging the goods for long time.
- Not allowed the sling which don't have wear sleeves to lifting items with sharp edges.
- Never drag a sling when the goods remain on the sling.
- Chemical active environments can affect the strength of slings.
  If the sling is used in a non normal environment such as high temperature or suspended chemicals, it shall be recommended in accordance with the guidance of the manufacturer.
  When the sling is contaminated or used in an acid or alkali prone environment, it should be immediately washed with cold water
- Always store sling in a cool dry, dark, and no ultraviolet place when they are not used. The sling should not be stored near the open flame or other heat sources.
- Always read and understand the operating instructions before use.

THE STANDARD OF SCRAPPING FOR SLINGS

During the use of sling, any of the following circumstances, it should be scrapped.

- Sling (with protective cover) serious wear, bore a hole, incision, tear
- The joint part is open, the line is wear off.
- Sling fiber softening, elastic aging, smaller elasticity, the strength is weaken
- The sling is deadlock.
- The sling belt surface had punctate loose, corrosion, alkali burning and melting or burning

The warning red line is exposed for the sling which has red warning line.



FLAT POLYSTER WEBBING SLING

CE

- It is finished by the weaving machine with different sewing methods.
- Material: 100% high tensile polyester (PES)
- Single ply or double ply.
- The working load can be distinguished easily by the colour and the width.
- It is colour coded according to DIN-EN1492-1 , also it has capacity stripes on the sling(each stripe is equal to 1 ton capacity).
- It can offer wide and smooth load surface to the lifted object.
- It has high protection against the abrasion and damage. To avoid being damaged by the sharp objects, it can also be used together with proper protective sleeve.
- Safety factor :4:1,5:1, 6:1,7:1,8:1 is available.
- Temperature: -40℃ to 100℃
- Manufactured according to EC directive 98/37/EC.







- Large Size up to 30t available upon your request

Webbing Width	Color Coded According to EN1492-2	Working Load Limit with 1 Sling					Working Load Limit with 2 Slings			
		Straight Lift	Choked Lift	Lift in Different Angle			Straight lift up to	Choked lift up to	Straight Lift	Choked Lift
				0-7°	7-45°	45-60°				
mm										
		1.0	0.8	2.0	1.4	1.0	1.4	1.12	1.0	0.8
25/30	WLL 1t	1000	800	2000	1400	1000	1400	1120	1000	800
50/60	WLL 2t	2000	1600	4000	2800	2000	2800	2240	2000	1600
75/90	WLL 3t	3000	2400	6000	4200	3000	4200	3360	3000	2400
100/120	WLL 4t	4000	3200	8000	5600	4000	5600	4480	4000	3200
150	WLL5t	5000	4000	10000	7000	5000	7000	5600	5000	4000
180	WLL 6t	6000	4800	12000	8400	6000	8400	6720	6000	4800
200	WLL 8t	8000	6400	16000	11200	8000	11200	8960	8000	6400
240	WLL 10t	10000	8000	20000	14000	10000	14000	11200	10000	8000
300	WLL 12t	12000	9600	24000	16800	12000	16800	13440	12000	9600

LIFTING EYE TYPE



TYPE EF: FLAT EYE



TYPE REF: REVERSE EYE



TYPE ES:
Folded eye ½ width from 1 side



TYPE OES:
Opposed folded eye ½ width from 1 side



TYPE ED:
Folded eye ½ width from 2 side



TYPE OED:
Opposed folded eye ½ width from 2 side

Physical information chart

Material	Polyester
Elongation at breaking force	ca.12%
Elongation at WLL	ca.3%
Elongation-resistance in wet condition	100%
Compared wear-resistance	80
Specific weight	1.38

Chemical resistance information chart

Material	Acids	alkalis	Ethers	aldehydes	alcohols	oils	organic solvents	water and seawater
Polyester	ok	no	no	no	ok	ok	ok	ok

Disintegrated by concentrated sulfuric acid.
Higher chemical concentrations and/or higher temperatures will lower the resistance of the sling.

POLYESTER ENDLESS WEBBING SLING

- It is finished by the weaving machine with different sewing methods.
- Material: 100% high tensile polyester (PES)
- Single ply or double ply.
- The working load can be distinguished easily by the colour and the width.
- It is colour coded according to DIN-EN1492-1 , also it has capacity stripes on the sling(each stripe is equal to 1 ton capacity).
- It can offer wide and smooth load surface to the lifted object.
- It has high protection against the abrasion and damage. To avoid being damaged by the sharp objects, it can also be used together with proper protective sleeve.
- Safety factor :4:1,5:1, 6:1,7:1,8:1 is available.
- Temperature: -40℃ to 100℃
- Manufactured according to EC directive 98/37/EC.





Color Coded According to EN1492-2	Working Load Limit with 1 Sling							Working Load Limit with 2 Slings			
	Straight Lift	Choked Lift	Lift in Different Angle					Straight lift up to	Choked lift up to	Straight Lift	Choked Lift
			0-7°	7-45°	45-60°	up to 45°	45-60°				
Single Ply.	1.0	0.8	2.0	1.4	1.0	0.7	0.5	1.4	1.12	1.0	0.8
WLL1T	1000	800	2000	1400	1000	700	500	1400	1120	1000	800
WLL2T	2000	1600	4000	2800	2000	1400	1000	2800	2240	2000	1600
WLL3T	3000	2400	6000	4200	3000	2100	1500	4200	3360	3000	2400
WLL4T	4000	3200	8000	5600	4000	2800	2000	5600	4480	4000	3200
WLL5T	5000	4000	10000	7000	5000	3500	2500	7000	5600	5000	4000
WLL6T	6000	4800	12000	8400	6000	4200	3000	8400	6720	6000	4800
WLL8T	8000	6400	16000	11200	8000	5600	4000	11200	8960	8000	6400
WLL10T	10000	8000	20000	14000	10000	7000	5000	14000	11200	10000	8000
WLL12T	12000	9600	24000	16800	12000	8400	6000	16800	13440	12000	9600
Double Ply											
WLL2T	2000	1600	4000	2800	2000	1400	1000	2800	2240	2000	1600
WLL4T	4000	3200	8000	5600	4000	2800	2000	5600	4480	4000	3200
WLL6T	6000	4800	12000	8400	6000	4200	3000	8400	6720	6000	4800
WLL8T	8000	6400	16000	11200	8000	5600	4000	11200	8960	8000	6400
WLL10T	10000	8000	20000	14000	10000	7000	5000	14000	11200	10000	8000
WLL12T	12000	9600	24000	16800	12000	8400	6000	16800	13440	12000	9600

POLYESTER ROUND WEBBING SLING

- It is finished by the weaving machine with different sewing methods.
- It is made by high quality synthetic fibre and high tensile polyester.
- The working load can be distinguished easily by the colour.
- It is colour coded according to DIN-EN1492-1 , also it has capacity stripes on the sling(each stripe is equal to 1 ton capacity).
- Safety factor: 4:1,5:1,6:1,7:1,8:1 is available.
- Material: Sleeve: 100% high tensile polyester (PES)
  Filling: 100% high quality synthetic fibre
- Temperature: -40℃ to 100℃
- Manufactured according to EC directive 98/37/EC.





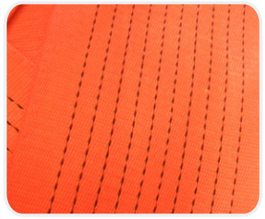


Color Coded According to EN1492-2	Working Load Limit with 1 Sling							Working Load Limit with 2 Slings			
	Straight Lift	Choked Lift	Lift in Different Angle					Straight lift up to	Choked lift up to	Straight Lift	Choked Lift
			0-7°	7-45°	45-60°	up to 45°	45-60°				
	1.0	0.8	2.0	1.4	1.0	0.7	0.5	1.4	1.12	1.0	0.8
WLL1T	1000	800	2000	1400	1000	700	500	1400	1120	1000	800
WLL2T	2000	1600	4000	2800	2000	1400	1000	2800	2240	2000	1600
WLL3T	3000	2400	6000	4200	3000	2100	1500	4200	3360	3000	2400
WLL4T	4000	3200	8000	5600	4000	2800	2000	5600	4480	4000	3200
WLL5T	5000	4000	10000	7000	5000	3500	2500	7000	5600	5000	4000
WLL6T	6000	4800	12000	8400	6000	4200	3000	8400	6720	6000	4800
WLL8T	8000	6400	16000	11200	8000	5600	4000	11200	8960	8000	6400
WLL10T	10000	8000	20000	14000	10000	7000	5000	14000	11200	10000	8000
WLL12T	12000	9600	24000	16800	12000	8400	6000	16800	13440	12000	9600
WLL15T	15000	12000	30000	21000	15000	10500	7500	21000	16800	15000	12000
WLL20T	20000	16000	40000	28000	20000	14000	10000	28000	22400	20000	16000
WLL30T	30000	24000	60000	42000	30000	21000	15000	42000	33600	30000	24000
WLL50T	50000	40000	100000	70000	50000	35000	25000	70000	56000	50000	40000
WLL60T	60000	48000	120000	84000	60000	42000	30000	84000	67200	60000	48000
WLL80T	80000	64000	160000	112000	80000	56000	40000	112000	89600	80000	64000
WLL100T	100000	80000	200000	140000	100000	70000	50000	140000	112000	100000	80000





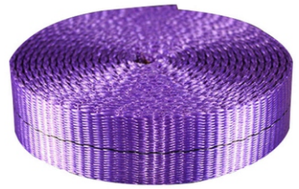




WEBBING BELT FOR SLING

TYPE

- Polyester 1-Ply Webbing belt for slings , 100% high tensile polyester (PES) Technical specifications
- Colour coded according to DIN-EN1492-1
- Capacity stripes: each stripe is equal to 1 tonne capacity.
- Each 25 or 30mm belt width is equal to 1 tonne capacity, depending order' s request.
  200M per roll or any length as per order's request.
- All the safety factor 5:1; 6:1; 7:1 is on the basis of double ply webbing sling, which is made of two 1-ply belt.







Belt Width (mm)	Color coded according to EN1492-1 (mm)	Working Load Limit of 2-ply Webbing Sling (t)	Net Weight of 200m (kgs)			Rolls Per Carton (rolls)			Dimension of Carton (mm)
			5:1	6:1	7:1	5:1	6:1	7:1	
25	WLL 1T	1	14	17	19	2	6	6	51x31x32
30	WLL 1T	1	14	17	19	5	5	5	51x31x32
50	WLL 2T	2	27	34	38	1	1	1	51x31x32
60	WLL 2T	2	27	34	38	1	1	1	51x31x32
75	WLL 3T	3	42	50	57	1	1	1	51x31x32
90	WLL 3T	3	42	50	57	1	1	1	51x31x32
100	WLL 4T	4	55	66	76	1	1	1	51x31x32
120	WLL 4T	4	55	66	76	1	1	1	51x31x32
125	WLL 5T	5	69	83	95	1	1	1	51x51x41
140	WLL 5T	5	69	83	95	1	1	1	51x51x41
150	WLL 6T	6	82	98	114	1	1	1	51x51x41
200	WLL 8T	8	124	130	160	1	1	1	55x55x50
250	WLL 10T	10	156	164	208.6	1	1	1	55x55x50
300	WLL 12T	12	186	202	220	1	1	1	55x55x50

Ratchet tie down



Operation

- 1.The hooks of the cargo lashing should be fixed on both sides of the truck.
- 2.Pull the handle, and the ratchet wheel will working accordingly, then the belt will gradually tighten up, to achieve the purpose of bundling goods.
- 3.When unload, pull the handle of hand puller, rotate the handle, gradually release the tension. Until the belt is in a relaxed situation, then you can unload the hooks of both sides and unload the goods.

Technical specifications

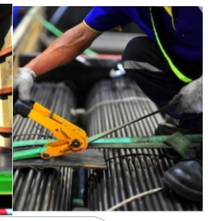
- According to EN12195-2:2000.
- Min. Breaking Strength (M.B.S) stripes: each stripe is equal to 1 tonne M.B.S.
- Each set is packed in plastic with CE declaration of conformity, other packing is available at order's request.
- The cargo lashing are not design for overhand lifting or towing.
- More than standard length is available at order's request.
- Different end fitting is available with different cost.











PACKAGE OF CARGO LASHING









Item Number	Width (mm)	W.L.L.		Min. Breaking Strength		Length (m)		N.W. (Kg)	Sets Per Carton	Dimension of Carton (cm)
		(Kgs)	(Lbs)	(Kgs)	(Lbs)	Fixed End	Loose End			
TCSH2501	25	150	330	450	990	0.5	2.5	0.38	90	49x30x29
TCSH2502	25	200	440	600	1320	0.5	2.5	0.40	85	49x30x29
TCSH2503	25	250	550	800	1650	0.5	2.5	0.42	80	49x30x29
TCSH2504	25	300	660	900	1980	0.5	2.5	0.43	75	49x30x29
TCSH2505	25	350	770	1000	2310	0.5	4.0	0.50	60	49x30x29
TCSH3801	38	500	1100	1500	3300	0.5	4.0	0.80	25	49x30x29
TCSH3802	38	650	1430	2000	4290	0.5	5.5	1.10	20	49x30x29
TCSH3803	38	800	1750	2500	5250	0.5	5.5	1.30	20	49x30x29
TCSH5001	50	1000	2200	3000	6600	0.5	7.5	2.00	12	49x30x29
TCSH5002	50	1150	2500	3500	7500	0.5	7.5	2.20	12	49x30x29
TCSH5003	50	1350	3000	4000	9000	0.5	7.5	2.40	12	49x30x29
TCSH5004	50	1500	3300	4500	9900	0.5	7.5	2.50	12	49x30x29
TCSH5005	50	1650	3600	5000	10800	0.5	7.5	2.60	12	49x30x29
TCSH7501	75	2250	5000	6800	15000	0.5	8.5	5.10	3	49x30x29
TCSH7502	75	2650	5800	8000	17400	0.5	8.5	6.30	3	49x30x29
TCSH10001	100	2250	5000	6800	15000	0.5	9.5	5.80	3	49x30x29
TCSH10002	100	2650	5800	8000	17400	0.5	9.5	7.00	3	49x30x29
TCSH10003	100	3350	7350	10000	22050	0.5	9.5	8.80	3	49x30x29

Ratchet tie down belt



WEBBING BELT FOR CARGO LASHING

Type

- Belt for cargo lashing

Technical specifications

- Any colour depending order's request.
- Only for cargo lashing, not designed for overhead lifting or towing.
- Min. Breaking Strength (M.B.S) stripes: each stripe is equal to 1 ton (M.B.S.)
- Please be sure the M.B.S. required at the time of order.

Characteristics

- Low elongation

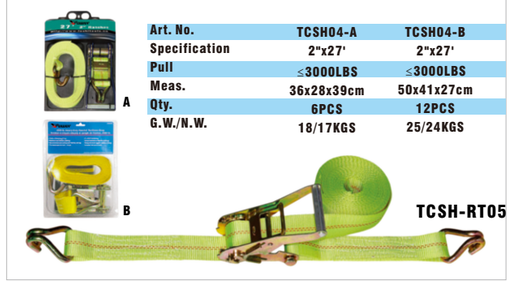
Item Code	Belt Width (mm)	Assembly break Strength (kgs)	Webbing tensile strength (kgs)	Net weight of 200m (kgs)	Rolls Per Carton (rolls)	Dimension of Carton (mm)
TCSH2501	25	450	585	3.2	11	51x31x32
TCSH2502	25	600	750	4.0	10	51x31x32
TCSH2503	25	800	1000	4.7	10	51x31x32
TCSH2504	25	900	1125	5.3	8	51x31x32
TCSH2505	25	1000	1250	5.4	8	51x31x32
TCSH3801	38	1500	1875	8.3	7	51x31x32
TCSH3802	38	2000	2500	7.3	7	51x31x32
TCSH3803	38	2500	3125	14.1	7	51x31x32
TCSH5001	50	3000	3750	17.2	5	51x31x32
TCSH5002	50	3500	4375	19.8	4	51x31x32
TCSH5003	50	4000	5000	21.4	4	51x31x32
TCSH5004	50	4500	5625	23.6	3	51x31x32
TCSH5005	50	5000	6250	26.0	3	51x31x32
TCSH7501	75	6800	8500	35.5	2	51x31x32
TCSH7502	75	8000	10000	42.0	2	51x31x32
TCSH10001	100	6800	8500	35.5	4	51x51x41
TCSH10002	100	8000	10000	42.0	4	51x51x41
TCSH10003	100	10000	12500	52.6	4	51x51x41

RATCHET TIE DOWN



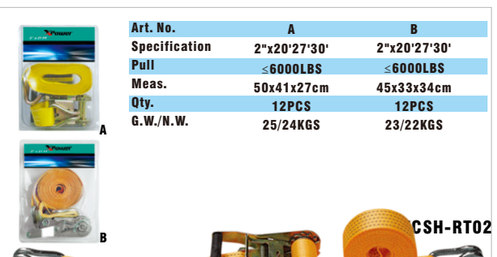
Art. No.	TCSH08-A	TCSH08-B
Specification	2"x27'	2"x27'
Pull	≤10000LBS	≤10000LBS
Meas.	51x35x31cm	47x25x36cm
Qty.	6PCS	10PCS
G.W./N.W.	17/16KGS	24/23KGS

TCSH-RT01



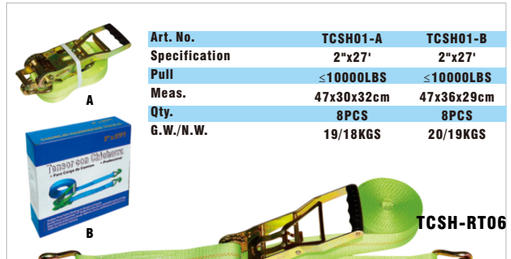
Art. No.	TCSH04-A	TCSH04-B
Specification	2"x27'	2"x27'
Pull	≤3000LBS	≤3000LBS
Meas.	36x28x39cm	50x41x27cm
Qty.	6PCS	12PCS
G.W./N.W.	18/17KGS	25/24KGS

TCSH-RT05



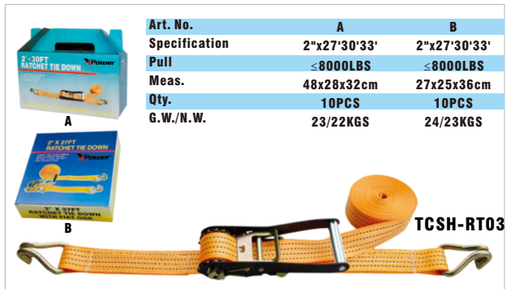
Art. No.	A	B
Specification	2"x20'27'30'	2"x20'27'30'
Pull	≤6000LBS	≤6000LBS
Meas.	50x41x27cm	45x33x34cm
Qty.	12PCS	12PCS
G.W./N.W.	25/24KGS	23/22KGS

TCSH-RT02



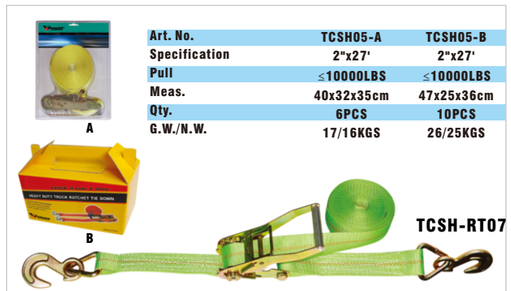
Art. No.	TCSH01-A	TCSH01-B
Specification	2"x27'	2"x27'
Pull	≤10000LBS	≤10000LBS
Meas.	47x30x32cm	47x36x29cm
Qty.	8PCS	8PCS
G.W./N.W.	19/18KGS	20/19KGS

TCSH-RT06



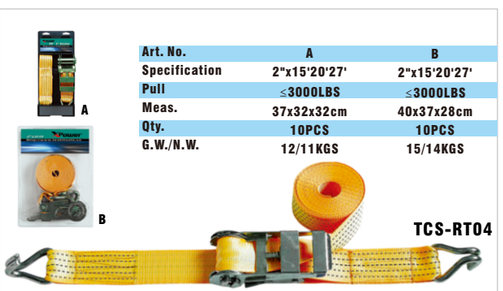
Art. No.	A	B
Specification	2"x27'30'33'	2"x27'30'33'
Pull	≤8000LBS	≤8000LBS
Meas.	48x28x32cm	27x25x36cm
Qty.	10PCS	10PCS
G.W./N.W.	23/22KGS	24/23KGS

TCSH-RT03



Art. No.	TCSH05-A	TCSH05-B
Specification	2"x27'	2"x27'
Pull	≤10000LBS	≤10000LBS
Meas.	40x32x35cm	47x25x36cm
Qty.	6PCS	10PCS
G.W./N.W.	17/16KGS	26/25KGS

TCSH-RT07



Art. No.	A	B
Specification	2"x15'20'27'	2"x15'20'27'
Pull	≤3000LBS	≤3000LBS
Meas.	37x32x32cm	40x37x28cm
Qty.	10PCS	10PCS
G.W./N.W.	12/11KGS	15/14KGS

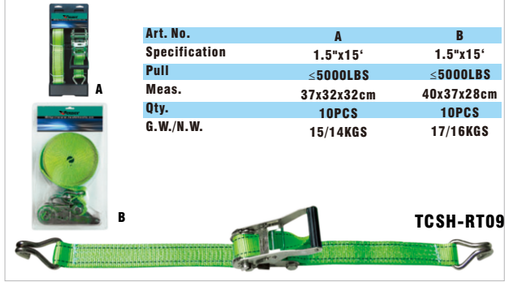
TCS-RT04



Art. No.	TCSH03-A	TCSH03-B
Specification	2"x27'	2"x27'
Pull	≤8000LBS	≤8000LBS
Meas.	36x26x39cm	47x25x36cm
Qty.	6PCS	10PCS
G.W./N.W.	16/15KGS	24/23KGS

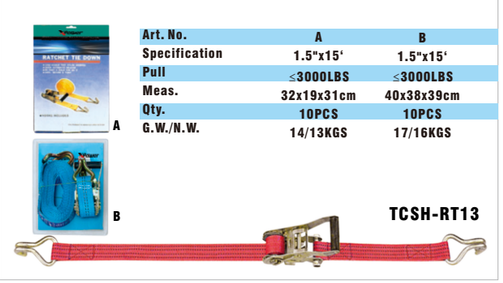
TCSH-RT08

RATCHET TIE DOWN



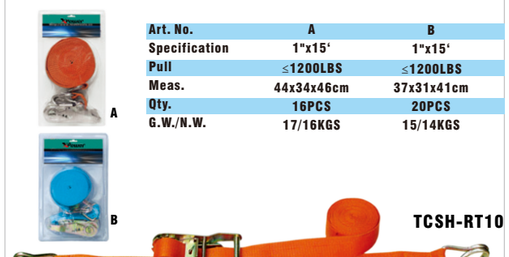
Art. No.	A	B
Specification	1.5"x15'	1.5"x15'
Pull	≤5000LBS	≤5000LBS
Meas.	37x32x32cm	40x37x28cm
Qty.	10PCS	10PCS
G.W./N.W.	15/14KGS	17/16KGS

TCSH-RT09



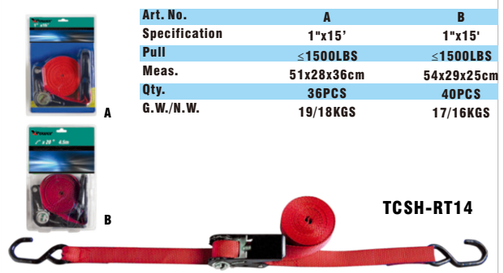
Art. No.	A	B
Specification	1.5"x15'	1.5"x15'
Pull	≤3000LBS	≤3000LBS
Meas.	32x19x31cm	40x38x39cm
Qty.	10PCS	10PCS
G.W./N.W.	14/13KGS	17/16KGS

TCSH-RT13



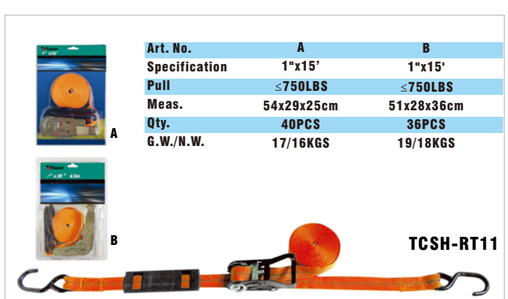
Art. No.	A	B
Specification	1"x15'	1"x15'
Pull	≤1200LBS	≤1200LBS
Meas.	44x34x46cm	37x31x41cm
Qty.	16PCS	20PCS
G.W./N.W.	17/16KGS	15/14KGS

TCSH-RT10



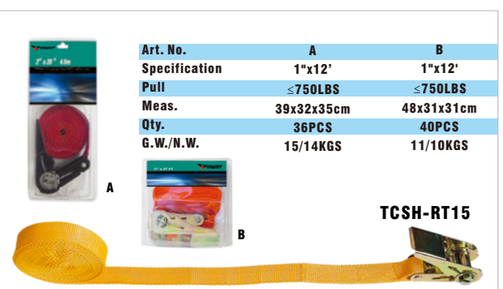
Art. No.	A	B
Specification	1"x15'	1"x15'
Pull	≤1500LBS	≤1500LBS
Meas.	51x28x36cm	54x29x25cm
Qty.	36PCS	40PCS
G.W./N.W.	19/18KGS	17/16KGS

TCSH-RT14



Art. No.	A	B
Specification	1"x15'	1"x15'
Pull	≤750LBS	≤750LBS
Meas.	54x29x25cm	51x28x36cm
Qty.	40PCS	36PCS
G.W./N.W.	17/16KGS	19/18KGS

TCSH-RT11



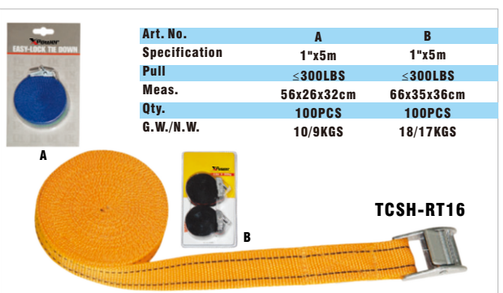
Art. No.	A	B
Specification	1"x12'	1"x12'
Pull	≤750LBS	≤750LBS
Meas.	39x32x35cm	48x31x31cm
Qty.	36PCS	40PCS
G.W./N.W.	15/14KGS	11/10KGS

TCSH-RT15



Art. No.	A	B
Specification	1"x10'	1"x10'
Pull	≤1000LBS	≤1000LBS
Meas.	40x35x31cm	40x35x31cm
Qty.	48PCS	48PCS
G.W./N.W.	16/15KGS	14/13KGS

TCSH-RT12



Art. No.	A	B
Specification	1"x5m	1"x5m
Pull	≤300LBS	≤300LBS
Meas.	56x26x32cm	66x35x36cm
Qty.	100PCS	100PCS
G.W./N.W.	10/9KGS	18/17KGS

TCSH-RT16