



steel strapping

 **STAMAK** TRADE
S.R.O.

www.stamak.cz

Steel strapping Standard quality

FINISH

Steel strapping is produced with following finishes:

Bright, waxed
 Blue-annealed, waxed
 Black-painted, waxed
 Zinc-painted, waxed
 Hot-dip galvanized, waxed

WINDING



Ribbon wound coil



Oscillated wound coil
 Weight approx 50 kg



Jumbo-coil
 Weight 350 – 900 kg

Blue-annealed, hot-dip-galvanized, black- and zinc-painted steel strapping can be supplied in ribbon wound, oscillated wound and jumbo-coils
 Bright steel strapping is supplied only in ribbon wound coils

PACKAGING

Standard packaging:



Non-returnable pallet 680x580 mm
 12 oscillated wound coils per pallet
 Number of ribbon wound coils per pallet depends on dimension
 Delivered with cardboard cover
 Coil can be paperwrapped with 1-3 coils per package depending on dimension
 Jumbo-coils on special pallet, 1-2 coils per pallet

Special packaging by agreement

COIL DIMENSIONS

	Inside diameter		Outside diameter Standard		Max	
	mm	inch	mm	inch	mm	inch
Ribbon wound	300	12	600	23	700	27 ½
Ribbon wound	406	16	600	23	700	27 ½
Oscillated	406	16	600	23	-	-
Jumbo-coil	406	16	*			

* = width, outsider diameter and weight by agreement

Steel strapping Standard quality

LOAD TABLE

Dim. mm	Breaking load			
	Blue-annealed, black- and zinc-painted		Bright and hot-dip galvanized	
	min/average Newton	min/average kg	min/average Newton	min/average kg
10 x 0,40	3050 / 3650	300 / 370		
13 x 0,40	4050 / 4900	400 / 500		
13 x 0,50	5100 / 5900	520 / 600	4450 / 5100	450 / 520
13 x 0,60	6100 / 6750	620 / 690		
16 x 0,40	5100 / 6100	520 / 620		
16 x 0,50	6350 / 7400	650 / 750	5550 / 6400	570 / 650
16 x 0,60	7650 / 8450	780 / 860		
19 x 0,50	7600 / 8850	770 / 900		
19 x 0,60	9150 / 10100	930 / 1030	8000 / 8600	810 / 880
19 x 0,70	10650 / 11500	1080 / 1170		
19 x 0,80	11400 / 12400	1160 / 1260		
25 x 0,80	15000 / 16300	1530 / 1660		
25 x 1,00	18750 / 20600	1900 / 2100		
32 x 0,80	19050 / 20700	1940 / 2110	17800 / 18800	1800 / 1920
32 x 0,90	21450 / 23700	2180 / 2420		
32 x 1,00	23800 / 26200	2430 / 2670		

Galvanized strip – according to agreement

STRAP WIDTHS

Nominal width		Actual width	Tolerance
mm	inch	mm	mm
10	3/8	9,5	9,40-9,70
13	1/2	12,7	12,55-12,85
16	5/8	15,9	15,75-16,05
19	3/4	19,0	18,80-19,20
25	1	25,1	24,90-25,30
32	1 1/4	31,8	31,60-32,00

THICKNESS TOLERANCES

Strap thickness, mm	
- 0,40	+/- 0,02
0,41 – 0,60	+/- 0,03
0,61 – 1,00	+/- 0,04

Steel strapping Standard quality

DIMENSION TABLE

Dimension		Finish	Form of coil	Coil-weight approx kg*	Coil-diameter inside** mm	Coil-diameter outside** mm	Tensile strength min/average Rm N/mm ² (N/mm ² =1MPa)	Elongation in % approx		Designation	Length m per kg
mm	inch							A5	A100		
10 x 0,40	3/8 x .015	blue-annealed	osc	50	406	600	800 / 960	6	2	CBEO	33,35
13 x 0,40	1/2 x .015	blue-annealed	ribbon	19	300	600	800 / 960	6	2	CBEE	25,05
		blue-annealed	osc	50	406	600	800 / 960	6	2	CBEO	
		black-painted	ribbon	19	300	600	800 / 960	6	2	CBLE	
		black-painted	osc	50	406	600	800 / 960	6	2	CBLO	
		zinc-painted	ribbon	19	300	600	800 / 960	6	2	CBZE	
		zinc-painted	osc	50	406	600	800 / 960	6	2	CBZO	
13 x 0,50	1/2 x .020	bright	ribbon	19	300	600	700 / 805	3	0,5	CB1	20,05
		blue-annealed	ribbon	19	300	600	800 / 930	6	2	CBEE	
		blue-annealed	osc	50	406	600	800 / 930	6	2	CBEO	
		black-painted	ribbon	19	300	600	800 / 930	6	2	CBLE	
		black-painted	osc	50	406	600	800 / 930	6	2	CBLO	
		zinc-painted	ribbon	19	300	600	800 / 930	6	2	CBZE	
13 X 0,60	1/2 X .023	zinc-painted	osc	50	406	600	800 / 930	6	2	CBZO	16,70
		blue-annealed	ribbon	19	300	600	800 / 885	6	2	CBEE	
		blue-annealed	osc	50	406	600	800 / 885	6	2	CBEO	
		black-painted	ribbon	19	300	600	800 / 885	6	2	CBLE	
		black-painted	osc	50	406	600	800 / 885	6	2	CBLO	
		zinc-painted	ribbon	19	300	600	800 / 885	6	2	CBZE	
16 x 0,40	5/8 x .015	zinc-painted	osc	50	406	600	800 / 885	6	2	CBZO	20,05
		blue-annealed	ribbon	25	300	600	800 / 960	6	2	CBEE	
		blue-annealed	osc	50	406	600	800 / 960	6	2	CBEO	
		black-painted	ribbon	25	300	600	800 / 960	6	2	CBLE	
		black-painted	osc	50	406	600	800 / 960	6	2	CBLO	
		zinc-painted	ribbon	25	300	600	800 / 960	6	2	CBZE	
16 x 0,50	5/8 x .020	zinc-painted	osc	50	406	600	800 / 960	6	2	CBZO	16,05
		bright	ribbon	25	300	600	700 / 805	3	0,5	CB1	
		blue-annealed	ribbon	25	300	600	800 / 930	6	2	CBEE	
		blue-annealed	osc	50	406	600	800 / 930	6	2	CBEO	
		black-painted	ribbon	25	300	600	800 / 930	6	2	CBLE	
		black-painted	osc	50	406	600	800 / 930	6	2	CBLO	
16 x 0,60	5/8 x .023	zinc-painted	ribbon	25	300	600	800 / 930	6	2	CBZE	13,35
		zinc-painted	osc	50	406	600	800 / 930	6	2	CBZO	
		hot-dip galvanized	ribbon	25	300	600	700 / 805	3	0,5	CB1Z	
		blue-annealed	ribbon	25	300	600	800 / 885	6	2	CBEE	
		blue-annealed	osc	50	406	600	800 / 885	6	2	CBEO	
		black-painted	ribbon	25	300	600	800 / 885	6	2	CBLE	
19 x 0,50	3/4 x .020	black-painted	osc	50	406	600	800 / 885	6	2	CBLO	13,40
		zinc-painted	ribbon	25	300	600	800 / 885	6	2	CBZE	
		zinc-painted	osc	50	406	600	800 / 885	6	2	CBZO	
		blue-annealed	ribbon	29	300	600	800 / 930	6	2	CBEE	
		blue-annealed	osc	50	406	600	800 / 930	6	2	CBEO	
		black-painted	ribbon	29	300	600	800 / 930	6	2	CBLE	
19 x 0,60	3/4 x .023	black-painted	osc	50	406	600	800 / 930	6	2	CBLO	11,20
		zinc-painted	ribbon	29	300	600	800 / 930	6	2	CBZE	
		zinc-painted	osc	50	406	600	800 / 930	6	2	CBZO	
		bright	ribbon	29	300	600	700 / 755	3	0,5	CB1	
		blue-annealed	ribbon	29	300	600	800 / 885	6	2	CBEE	
		blue-annealed	osc	50	406	600	800 / 885	6	2	CBEO	
19 x 0,70	3/4 x .028	black-painted	ribbon	29	300	600	800 / 885	6	2	CBLE	9,60
		black-painted	osc	50	406	600	800 / 885	6	2	CBLO	
		zinc-painted	ribbon	29	300	600	800 / 885	6	2	CBZE	
		zinc-painted	osc	50	406	600	800 / 885	6	2	CBZO	
		blue-annealed	ribbon	29	300	600	800 / 865	6	2	CBEE	
		blue-annealed	osc	50	406	600	800 / 865	6	2	CBEO	
19 x 0,80	3/4 x .031	black-painted	ribbon	29	300	600	800 / 865	6	2	CBLE	8,40
		black-painted	osc	50	406	600	800 / 865	6	2	CBLO	
		zinc-painted	ribbon	29	300	600	800 / 865	6	2	CBZE	
		zinc-painted	osc	50	406	600	800 / 865	6	2	CBZO	
		blue-annealed	ribbon	29	300	600	750 / 815	8	3	CBEE	
		blue-annealed	osc	50	406	600	750 / 815	8	3	CBEO	
25 x 0,80	1 x .031	black-painted	ribbon	29	300	600	750 / 815	8	3	CBLE	6,35
		black-painted	osc	50	406	600	750 / 815	8	3	CBLO	
		zinc-painted	ribbon	29	300	600	750 / 815	8	3	CBZE	
		zinc-painted	osc	50	406	600	750 / 815	8	3	CBZO	
		blue-annealed	ribbon	40	300	600	750 / 815	8	3	CBEE	
		blue-annealed	osc	50	406	600	750 / 815	8	3	CBEO	
25 x 1,00	1 x .040	black-painted	ribbon	40	300	600	750 / 815	8	3	CBLE	5,10
		black-painted	osc	50	406	600	750 / 815	8	3	CBLO	
		zinc-painted	ribbon	40	300	600	750 / 815	8	3	CBZE	
		zinc-painted	osc	50	406	600	750 / 815	8	3	CBZO	
		blue-annealed	ribbon	40	300	600	750 / 825	8	3	CBEE	
		blue-annealed	osc	50	406	600	750 / 825	8	3	CBEO	
32 x 0,80	1 ¼ x .031	black-painted	ribbon	40	300	600	750 / 825	8	3	CBLE	5,00
		black-painted	osc	50	406	600	750 / 825	8	3	CBLO	
		zinc-painted	ribbon	40	300	600	750 / 825	8	3	CBZE	
		zinc-painted	osc	50	406	600	750 / 825	8	3	CBZO	
		blue-annealed	ribbon	50	300	600	750 / 815	8	3	CBEE	
		blue-annealed	osc	50	406	600	750 / 815	8	3	CBEO	
32 x 0,90	1 ¼ x .035	black-painted	ribbon	50	300	600	750 / 815	8	3	CBLE	4,45
		black-painted	osc	50	406	600	750 / 815	8	3	CBLO	
		zinc-painted	ribbon	50	300	600	750 / 815	8	3	CBZE	
		zinc-painted	osc	50	406	600	750 / 815	8	3	CBZO	
		blue-annealed	ribbon	50	300	600	750 / 830	8	3	CBEE	
		blue-annealed	osc	50	406	600	750 / 830	8	3	CBEO	
32 x 1,00	1 ¼ x .040	black-painted	ribbon	50	300	600	750 / 830	8	3	CBLE	4,00
		black-painted	osc	50	406	600	750 / 830	8	3	CBLO	
		zinc-painted	ribbon	50	300	600	750 / 830	8	3	CBZE	
		zinc-painted	osc	50	406	600	750 / 830	8	3	CBZO	
		blue-annealed	ribbon	50	300	600	750 / 825	8	3	CBEE	
		blue-annealed	osc	50	406	600	750 / 825	8	3	CBEO	

Steel strapping High tensile

DIMENSION TABLE

Dimension		Finish	Form of coil	Coil-weight approx kg*	Coil-diameter inside** mm	Coil-diameter outside** mm	Tensile strength min/average Rm N/ mm ² (N/mm ² =1MPa)	Elongation in % approx		Designation	Length m per kg
mm	inch							A5	A100		
13 x 0,50	1/2 x .020	blue-annealed	ribbon	19	300	600	900 / 1030	12	6	CBEEH	20,05
		blue-annealed	osc	50	406	600	900 / 1030	12	6	CBEOH	
		black-painted	ribbon	19	300	600	900 / 1030	12	6	CBLEH	
		black-painted	osc	50	406	600	900 / 1030	12	6	CBLOH	
		zinc-painted	ribbon	19	300	600	900 / 1030	12	6	CBZEH	
		zinc-painted	osc	50	406	600	900 / 1030	12	6	CBZOH	
13 x 0,60	1/2 x .023	blue-annealed	ribbon	19	300	600	900 / 1030	12	6	CBEEH	16,70
		blue-annealed	osc	50	406	600	900 / 1030	12	6	CBEOH	
		black-painted	ribbon	19	300	600	900 / 1030	12	6	CBLEH	
		black-painted	osc	50	406	600	900 / 1030	12	6	CBLOH	
		zinc-painted	ribbon	19	300	600	900 / 1030	12	6	CBZEH	
		zinc-painted	osc	50	406	600	900 / 1030	12	6	CBZOH	
16 x 0,50	5/8 x .020	blue-annealed	ribbon	25	300	600	900 / 1030	12	6	CBEEH	16,05
		blue-annealed	osc	50	406	600	900 / 1030	12	6	CBEOH	
		black-painted	ribbon	25	300	600	900 / 1030	12	6	CBLEH	
		black-painted	osc	50	406	600	900 / 1030	12	6	CBLOH	
		zinc-painted	ribbon	25	300	600	900 / 1030	12	6	CBZEH	
		zinc-painted	osc	50	406	600	900 / 1030	12	6	CBZOH	
16 x 0,60	5/8 x .023	blue-annealed	ribbon	25	300	600	900 / 1030	12	6	CBEEH	13,35
		blue-annealed	osc	50	406	600	900 / 1030	12	6	CBEOH	
		black-painted	ribbon	25	300	600	900 / 1030	12	6	CBLEH	
		black-painted	osc	50	406	600	900 / 1030	12	6	CBLOH	
		zinc-painted	ribbon	25	300	600	900 / 1030	12	6	CBZEH	
		zinc-painted	osc	50	406	600	900 / 1030	12	6	CBZOH	
19 x 0,50	3/4 x .020	blue-annealed	ribbon	29	300	600	900 / 1030	12	6	CBEEH	13,40
		blue-annealed	osc	50	406	600	900 / 1030	12	6	CBEOH	
		black-painted	ribbon	29	300	600	900 / 1030	12	6	CBLEH	
		black-painted	osc	50	406	600	900 / 1030	12	6	CBLOH	
		zinc-painted	ribbon	29	300	600	900 / 1030	12	6	CBZEH	
		zinc-painted	osc	50	406	600	900 / 1030	12	6	CBZOH	
19 x 0,60	3/4 x .023	blue-annealed	ribbon	25	300	600	900 / 1030	12	6	CBEEH	11,20
		blue-annealed	osc	50	406	600	900 / 1030	12	6	CBEOH	
		black-painted	ribbon	25	300	600	900 / 1030	12	6	CBLEH	
		black-painted	osc	50	406	600	900 / 1030	12	6	CBLOH	
		zinc-painted	ribbon	25	300	600	900 / 1030	12	6	CBZEH	
		zinc-painted	osc	50	406	600	900 / 1030	12	6	CBZOH	
19 x 0,80	3/4 x .031	blue-annealed	ribbon	24	406	600	900 / 1030	12	6	CBEEH	8,40
		blue-annealed	osc	50	406	600	900 / 1030	12	6	CBEOH	
		black-painted	ribbon	24	406	600	900 / 1030	12	6	CBLEH	
		black-painted	osc	50	406	600	900 / 1030	12	6	CBLOH	
		zinc-painted	ribbon	24	406	600	900 / 1030	12	6	CBZEH	
		zinc-painted	osc	50	406	600	900 / 1030	12	6	CBZOH	
25 x 0,80	1 x .031	blue-annealed	ribbon	31	406	600	900 / 1030	12	6	CBEEH	6,35
		black-painted	ribbon	31	406	600	900 / 1030	12	6	CBLEH	
		zinc-painted	ribbon	31	406	600	900 / 1030	12	6	CBZEH	
32 x 0,80	1 ¼ x .031	blue-annealed	ribbon	40	406	600	900 / 1030	12	6	CBEEH	5,00
		black-painted	ribbon	40	406	600	900 / 1030	12	6	CBLEH	
		zinc-painted	ribbon	40	406	600	900 / 1030	12	6	CBZEH	

* Coilweight ribbon wound coils corresponds to inside diameter = 300 mm and outside diameter = 590 mm

If inside diameter = 406 mm and outside diameter = 590 mm, the coilweight is = strap width x 1,1 kg

** Ribbon wound coils can be delivered with inside diameter of 300 or 406 mm

*** Ribbon wound coils can be delivered with outside diameter of max 700 mm

Steel strapping High tensile

FINISH high tensile steel strapping is produced with following finishes:

Blue-annealed, waxed
Black-painted, waxed
Zinc-painted, waxed

WINDING



Ribbon wound coil



Oscillated wound coil
Weight approx 50 kg



Jumbo-coil
Weight 350 – 900 kg

Blue-annealed, hot-dip-galvanized, black- and zinc-painted steel strapping can be supplied in ribbon wound, oscillated wound and jumbo-coils
Bright steel strapping is supplied only in ribbon wound coils

PACKAGING

Standard packaging:



Non-returnable pallet 680x580 mm
12 oscillated wound coils per pallet
Number of ribbon wound coils per pallet depends on dimension
Delivered with cardboard cover
Jumbo-coils on special pallet, 1-2 coils per pallet

Special packaging by agreement

COIL DIMENSIONS

	Inside diameter		Outside diameter		Max	
	mm	inch	mm	inch	mm	inch
Ribbon wound	300	12	600	23	700	27 ½
Ribbon wound	406	16	600	23	700	27 ½
Oscillated	406	16	600	23	-	-
Jumbo-coil	406	16	*		-	-

* = width, outsider diameter and weight by agreement

Steel strapping High tensile

LOAD TABLE

Dim. mm	Breaking load	
	min/average Newton	min/average kg
13 x 0,50	5900 / 6550	600 / 670
13 x 0,60	7100 / 7850	720 / 800
16 x 0,50	7400 / 8200	750 / 830
16 x 0,60	8900 / 9850	900 / 1000
19 x 0,50	8850 / 9800	900 / 1000
19 x 0,60	10600 / 11750	1080 / 1200
19 x 0,80	14150 / 15650	1440 / 1600
25 x 0,80	18600 / 20600	1900 / 2100
32 x 0,80	23650 / 26200	2400 / 2670

STRAP WIDTHS

Nominal width		Actual width mm	Tolerance mm
mm	inch		
13	1/2	12,7	12,55-12,85
16	5/8	15,9	15,75-16,05
19	3/4	19,0	18,80-19,20
25	1	25,1	24,90-25,30
32	1 1/4	31,8	31,60-32,00

THICKNESS TOLERANCES

Strap thickness, mm	
0,50 – 0,60	+/- 0,03
0,61 – 0,80	+/- 0,04

Steel strapping Contact

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