Chain slings

User instructions

Please read our general user instructions for load carrying equipment and slings

Lifting with chain slings may only be carried out by a professionally trained rigger. Correct use ensures that chain slings provide the highest degree of safety, prevent damage to people and property and ensure maximum service life.

Changes and modifications

The shape and design of chain slings must not be changed or modified in any way by bending, welding, grinding, disassembly, or removal of safety components such as locks, safety pins and latches. Surface coating treatments such as hot-dip galvanising or electro-galvanising must not be applied. The use of alkaline solutions for stripping may be harmful and should only be carried out after consulting with our technical staff.

Limitation of use

Temperature
Load capacity may be adversely affected at high temperatures depending on the chain quality class. See page 17.

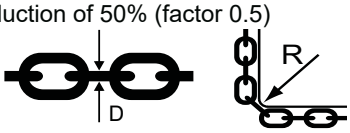
This only applies until the chain has cooled down to room temperature.
Equipment should not be used in temperatures above or below permissible values.

Impact load
Specified loading capacities assume impact free loading. Full load capacity can be used when minor impacts occur, such as those caused by lifting, lowering or moving the load on a crane. For medium impact such as load chain slipping when picking up a load, the capacity must be reduced by 30% (factor 0.7). Strong impacts such as a falling load must be avoided.

Edge load
Load capacities specified are designed for loads on the chain when it is pulled in a straight line. Allowing the chain to come into contact with or fed over an edge or obstruction risks bending, damage, or breakage. The minimum radius of an edge (R) over which the chain is fed must be twice (x2) the chain's diameter to lift safely at full capacity.

In such cases the load capacity must be reduced as follows:

R = larger than x1 or x2 chain diameter (2 x D > R > 1 x D)
→ load reduction of 30% (factor 0.7)
R = or smaller than chain diameter D
→ load reduction of 50% (factor 0.5)



Vibration
Chain slings and accessories are designed in line with regulations for 20,000 cycles. In the case of highly dynamic loads there is the risk that the chain or a component could be damaged. This can be overcome by reducing the workload by using larger nominal thickness or size.

Dangerous conditions
Specified loading capacities assume that the equipment is operating in a safe manner and environment. However lifting personnel or dangerous loads such as liquid metals, toxic substances, radioactive materials and such require assessing and approval by an expert, and the load capacity may be lowered accordingly, or special precautions put in place.
Chain slings for personnel working platforms must comply with EN 14502-1.

Chemicals
Chain slings exposed to acids, corrosive materials or their gases must be taken out of operation and sent to us for assessment.

User information

- Only undamaged chain slings with legible load capacity tags may be used. Users are advised to check for any damage or defects before every use.
- Chain slings with broken, clearly damaged or deformed links or accessories, or which have been subject to overload or any other potentially damaging use, must be immediately taken out of use until fully inspected and any repairs required have been completed.
- Make sure when selecting chain slings that they can safely handle the specified load without undue movement.

Chain slings

User instructions

m Chains must not be twisted or knotted.

m Loads must always be placed on the hook base, not on its tip. For multi-strand chain slings the hook tip must point outwards after hooking and be free to move.

m Never hang chain links from the hook tip.

m The lifting ring must have sufficient space in the crane hook to move freely.

m The load must not be placed directly onto the chain sling.

m Strands of the chain sling that are not in use should be re-suspended in the lifting ring to reduce the risk of being caught accidently while lifting.

m If the chain slings are used in a noose or are slung several times the windings must be close to each other but not cross.

m Do not force chains that are jammed or blocked.

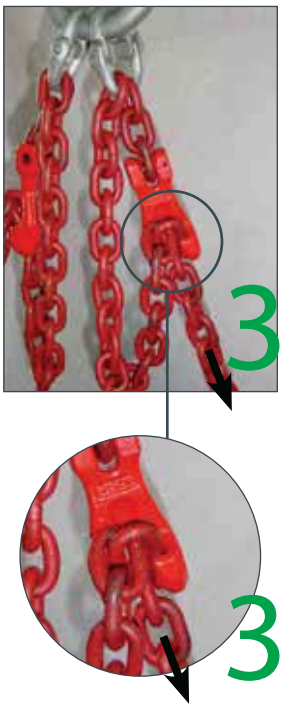
m When using shortening sections that are integrated in a chain strand or connecting links such as fixed hook type XKW or parallel hook type PW, PSW or KPW, it is essential to ensure that only the associated chain strand is hooked into the shortening component. If not all strands are shortened, this can lead to dangerous overloading as shown below:

CORRECT USE

INCORRECT USE

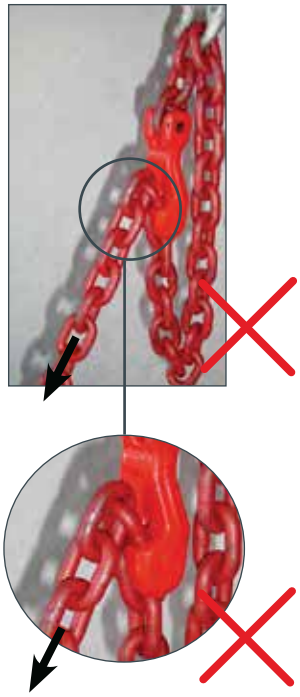
Incorrect use of a chain strand; the strand was suspended in the free shortening component of the non-shortened strand. The overlying connecting element musk take the load of both strands which means it is overloaded.

For all chain shortening claws of type HVSCH or similar still in use, make sure that the chain is correctly hooked in. Incorrect suspension as illustrated below (right hand side image) will cause the HVSCH or the chain to break with the risk of accidently dropping the load.
Claws of this type have not been offered by the company since 2003 and are no longer provided for the winner chain programme.



CORRECT USE

The loaded strand comes from the RIGHT LOWER side of the hook. The suspended chain link is held in the claw by the loaded strand and no chain link is subject to bending.



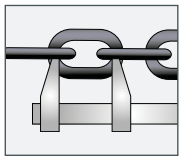
INCORRECT USE

The loaded strand comes from the INCORRECT UPPER side of the hook. The suspended chain link is bent over the edge and broken off or pulled out of the claw.

Rejection criteria

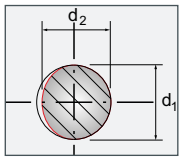
A chain sling should no longer be used if:

m There is a chain link or accessory on the chain that has stretched by more than 5%.

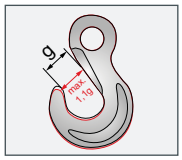


m A chain section is jammed.

m The actual member thickness at any point falls below the nominal thickness by more than 10% (the average value of two measurements at right angles to each other, see d1 and d2).



m The hook mouth has been enlarged by more than 10%.



m The label is missing or can no longer be read.

m Chain links are bent or twisted

m Discolouration has occurred from heat or there are signs of subsequent welds or weld spatter (which are not easy to remove and leave traces of discolouration)

m Cuts, nicks, grooves, cracks or excessive corrosion (such as clearly visible rust) or similar faults.

Reuse is then only permitted after repair has taken place.

Ongoing records are to be kept of the inspections carried out.

Maintenance, testing and repair

m Regular inspections must be carried out at least once a year or according to section 8(13) AMVO, or more frequently in heavy use applications, by a professional examiner. Chain slings that are often fully loaded or exposed to heat or chemicals must be examined at least every six months.

m After an exceptional event such a load falling, collision, heat exposure or other risks that could have safely implications, slings must be inspected according to AMVO section 9. (1) to check the condition of the equipment.

m Records must be kept concerning inspections and repair work carried out. During inspections the condition of components concerning damage, wear, corrosion or other potential defects must be assessed as a priority. According to ÖNORM M 9605 -1 in every secondary inspection a load test must be carried out with 1.5 times the load capacity. The load test can be replaced by a crack test procedure (magnifying or dye penetrating procedures.)

m The sling must be cleaned before testing. The cleaning process must not cause any chemical damage (no acids) or unapproved heating through burning off, removing too much, from example from sandblasting. By providing us with clean chains we can save inspection costs. All inspections are to be arranged by the operator.

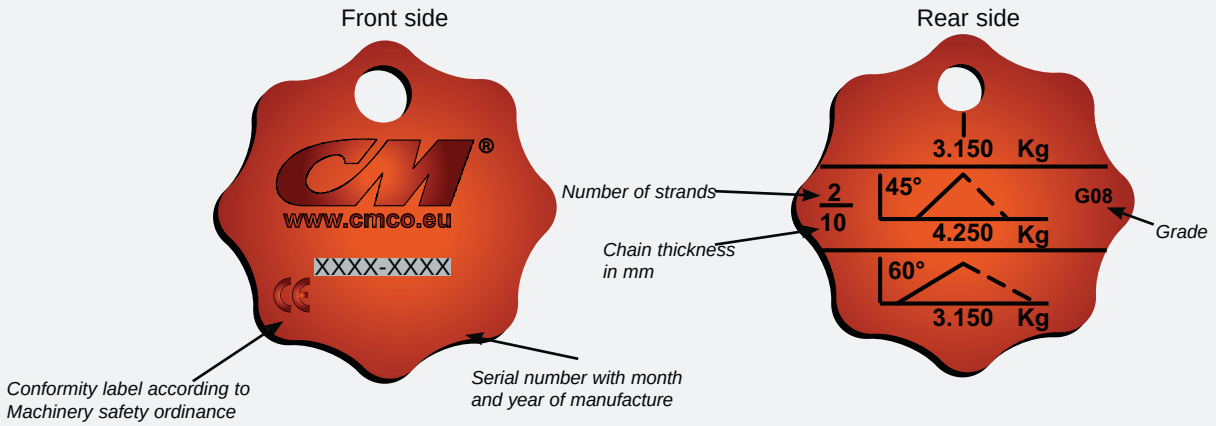
m Repairs and overhauls should only be carried out by trained personnel using original replacement parts.

m Should a chain show any defect it can be sent to us for assessment and repair; or be tested and repaired by our mobile lifting technology unit on your premises.

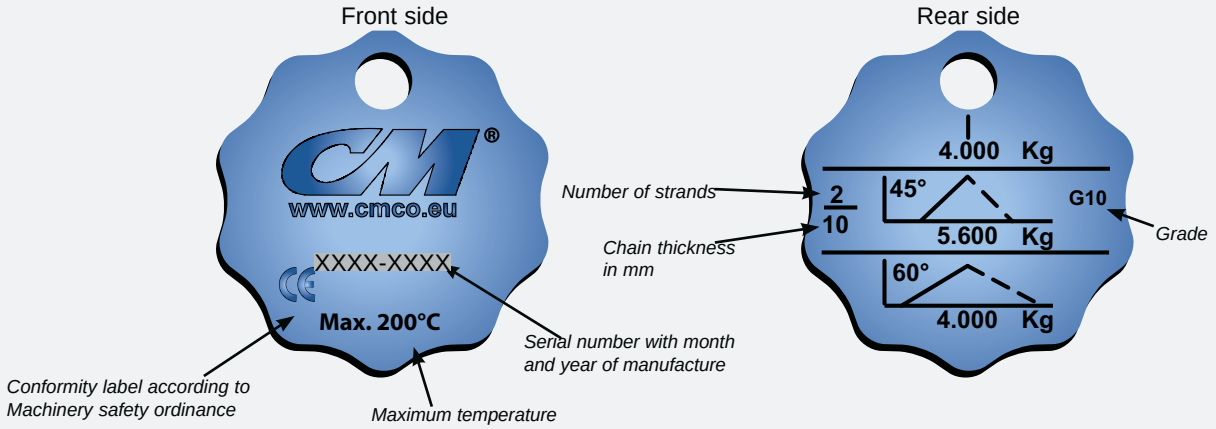
Labelling (load tag)

We deliver our chain slings with a load capacity tag with sequential test number, a conformity and factory certification and the necessary user instructions – for every single unit!

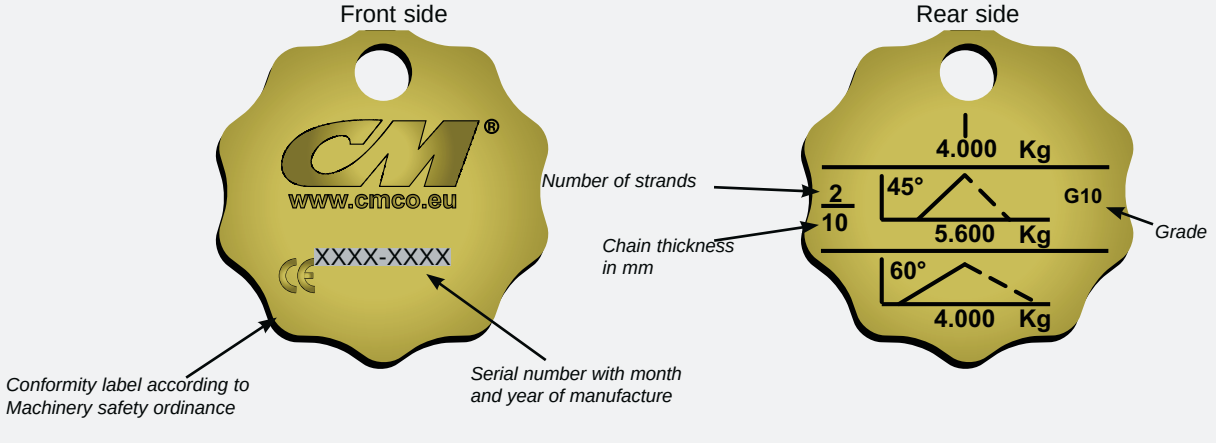
Grade 8



Grade 10 - 200 °C



Grade 10 - 400 °C



Characteristics

Grade 8

- **Chain quality:**
  Chain slings are delivered according to EN 848 Part 1, 2 and 4
- **Working load:** 200 N/mm2
- **Test load:** 500 N/mm2
  that corresponds to 2.5 times the load capacity
- **Failure stress:** 800 N/mm2
  that corresponds to 4 times the load capacity
- **Elongation at break:** descaled
- **Deflection:** 0.8 x d
- **Usage temperature:** -40 °C - 400 °C
  (note corresponding reduction of the load capacity at high temperatures)
- **Grade stamping:**
  Chain: is stampted every 300 mm in compliance with standard with the manufacturer's mark and the grade stamp.

Grade 10 200 °C

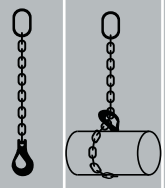
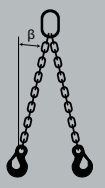
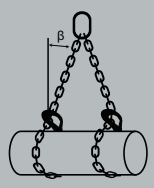
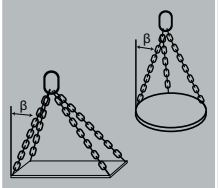
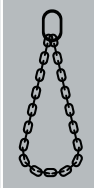
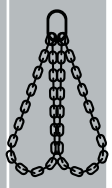
- **Chain quality:**
  corresponds to EN 818-2 with higher load capacity (but permissible operating temperature of max. 200°) and Machinery Directive 2006/42/EC
- **Working load:** 250 N/mm2
- **Test load:** 625 N/mm2
  that corresponds to 2.5 times the load capacity
- **Failure stress:** 1,000 N/mm2
  that corresponds to 4 times the load capacity
- **Breaking elongation:** min. 20%
- **Deflection according to EN 818-2or PAS 1061:**
  0.8 x nominal diameter
- **Usage temperature:** -20 °C - 200 °C
  (note corresponding reduction of the load capacity at high temperatures)
- **Grade stamping:**
  Chain: is stampted every 300 mm in compliance with standard with the manufacturer's mark and the grade stamp.

Grade 10 380 °C

- **Chain quality:**
  corresponds to EN 818-2 with higher load capacity or PAS 1061 up to 16 mm and Machinery Directive 2006/42/EC
- **Working load:** 250 N/mm2
- **Test load:** 625 N/mm2
  that corresponds to 2.5 times the load capacity
- **Breaking tension**1,000 N/mm2
  that corresponds to 4 times the load capacity
- **Breaking elongation:**min. 20%
- **Deflection according to EN 818-2or PAS 1061:**
  0.8 x nominal diameter
- **Usage temperature:** -40 °C - 380 °C
  (note corresponding reduction of the load capacity at high temperatures)
- **Grade stamp:**
  chain: *8*W at clearance of approx. 300 mm up to size 16 (above that 900 mm) and W on each link back
  Components: 10
- **Manufacturer name or symbol:**
  PW and/or pewag and/or H16
- **Compatibility:**
  Winner chains and components should only be assembled by trained personnel using grade 8 components which comply with EN 818 and EN 1766 standards. They may be combined with competitors' G10 chains and components only provided they are also compatible with EN 818 and EN 1766 products.
  For replacement parts such as bolts, safety pins and covers, use only pewag products. Note that the load capacity of the total system is based on the weakest part.

Load capacity table

The load capacities specified in tonnes are maximum values of the different lifting types according to the unit method. In the event of load complications such as asymmetry, temperature, edges or impact loads, see page 17

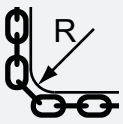
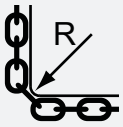
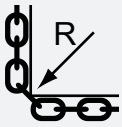
Safety factor		1 strand		2 strands				3 and 4 strands		Chain slings	Loop chains	
4												
Inclination angle		0°	0°	up to 45°	46° - 60°	up to 45°	46° - 60°	up to 45°	46° - 60°	up to 45°	up to 45°	up to 45°
Load factor		1	0.8	1.4	1	1.12	0.8	2.1	1.5	1.6	1.4	2.1
Code	D	Load capacity (t)										
Chain sling grade 10												
CM10C-05	5	1.00	0.80	1.40	1.00	1.12	0.80	2.00	1.50	1.60	1.40	2.00
CM10C-06	6	1.40	1.12	2.00	1.40	1.60	1.12	3.00	2.12	2.24	2.00	3.00
CM10C-07	7	1.90	1.50	2.65	1.90	2.12	1.50	4.00	2.80	3.00	2.65	4.00
CM10C-08	8	2.50	2.00	3.55	2.50	2.80	2.00	5.30	3.75	4.00	3.55	5.30
CM10C-10	10	4.00	3.15	5.60	4.00	4.25	3.15	8.00	6.00	6.30	5.60	8.00
CM10C-13	13	6.70	5.30	9.50	6.70	7.50	5.30	14.00	10.00	10.60	9.50	14.00
CM10C-16	16	10.00	8.00	14.00	10.00	11.20	8.00	21.20	15.00	16.00	14.00	21.20
CM10C-20	19	14.00	11.20	20.00	14.00	16.00	11.20	30.00	21.20	22.40	20.00	30.00
CM10C-22	22	19.00	15.00	26.50	19.00	21.20	15.00	40.00	28.00	30.00	26.50	40.00
CM10C-26	26	26.50	21.20	37.50	26.50	30.00	21.20	56.00	40.00	42.50	37.50	56.00
CM10C-32	32	40.00	31.50	56.00	40.00	45.00	31.50	85.00	60.00	63.00	56.00	85.00
Chain slings grade 8												
CM08C-06	6	1.12	0.90	1.60	1.12	1.25	0.90	2.36	1.70	1.80	1.60	2.36
CM08C-07	7	1.50	1.20	2.12	1.50	1.70	1.20	3.15	2.24	2.50	2.12	3.15
CM08C-08	8	2.00	1.60	2.80	2.00	2.24	1.60	4.25	3.00	3.15	2.80	4.25
CM08C-10	10	3.15	2.50	4.25	3.15	3.55	2.50	6.70	4.75	5.00	4.25	6.70
CM08C-13	13	5.30	4.25	7.50	5.30	5.90	4.25	11.20	8.00	8.50	7.50	11.20
CM08C-16	16	8.00	6.30	11.20	8.00	9.00	6.30	17.00	11.80	12.50	11.20	17.00
CM08C-20	19	11.20	8.95	16.00	11.20	12.50	8.95	23.60	17.00	18.00	16.00	23.60
CM08C-22	22	15.00	12.00	21.20	15.00	17.00	12.00	31.50	22.40	23.60	21.20	31.50
CM08C-26	26	21.20	16.95	30.00	21.20	23.70	16.95	45.00	31.50	30.50	30.00	45.00
CM08C-32	32	31.50	25.20	45.00	31.50	35.20	25.20	67.00	47.50	50.00	45.00	67.00

Reduction factors

If the chains are subject to load obstacles (e.g. temperature too high, asymmetry, edge loading, impacts ...), the maximum loading capacities in the loading table are to be reduced. The load factors below are to be used for this. Please also note the details in the user information.

Temperature load	Load factor		
Usage temperature	**Grade 8**	**Grade 10 200 °C**	**Grade 10 380 °C**
-40 °C to -20 °C	without deduction	not permitted	without deduction
-20 °C to +200 °C	without deduction	without deduction	without deduction
+200 °C to +300 °C	0.90	not permitted	0.90
+300 °C to +380 °C	0.75	not permitted	0.75
+380 °C to +400 °C	0.75	not permitted	not permitted
over +400 °C	not permitted	not permitted	not permitted

Asymmetrical load distribution	The load capacity is to be reduced by at least 1 chain strand. In case of doubt, assume only 1 strand is being loade, e.g.: classify 3 or 4-leg slings as 2-leg slings.

			
Edge load	**R = larger than 2x chain diameter**	**R = larger than chain diameter**	**R = chain diameter or smaller**
Load factor	**1**	**0.7**	**0.5**

Impact load	**slight impacts**	**medium impacts**	**strong impacts**
Load factor	**1**	**0.7**	**not permitted**

Designation

CS08-400-2-08-300-ML-CSH-CGH

Length in cm

Chain thickness in mm:
08...8 mm
10...10 mm...

Number of strands:
1...1 strand
2...2 strands
3...3 strands
4...4 strands

Grade
-Usage temperature:
CS08...Grade 8 (400°)
CS10...Grade 10 (200°)
CS10...Grade 10 (380°)

Shortening option:
CGH
EGH

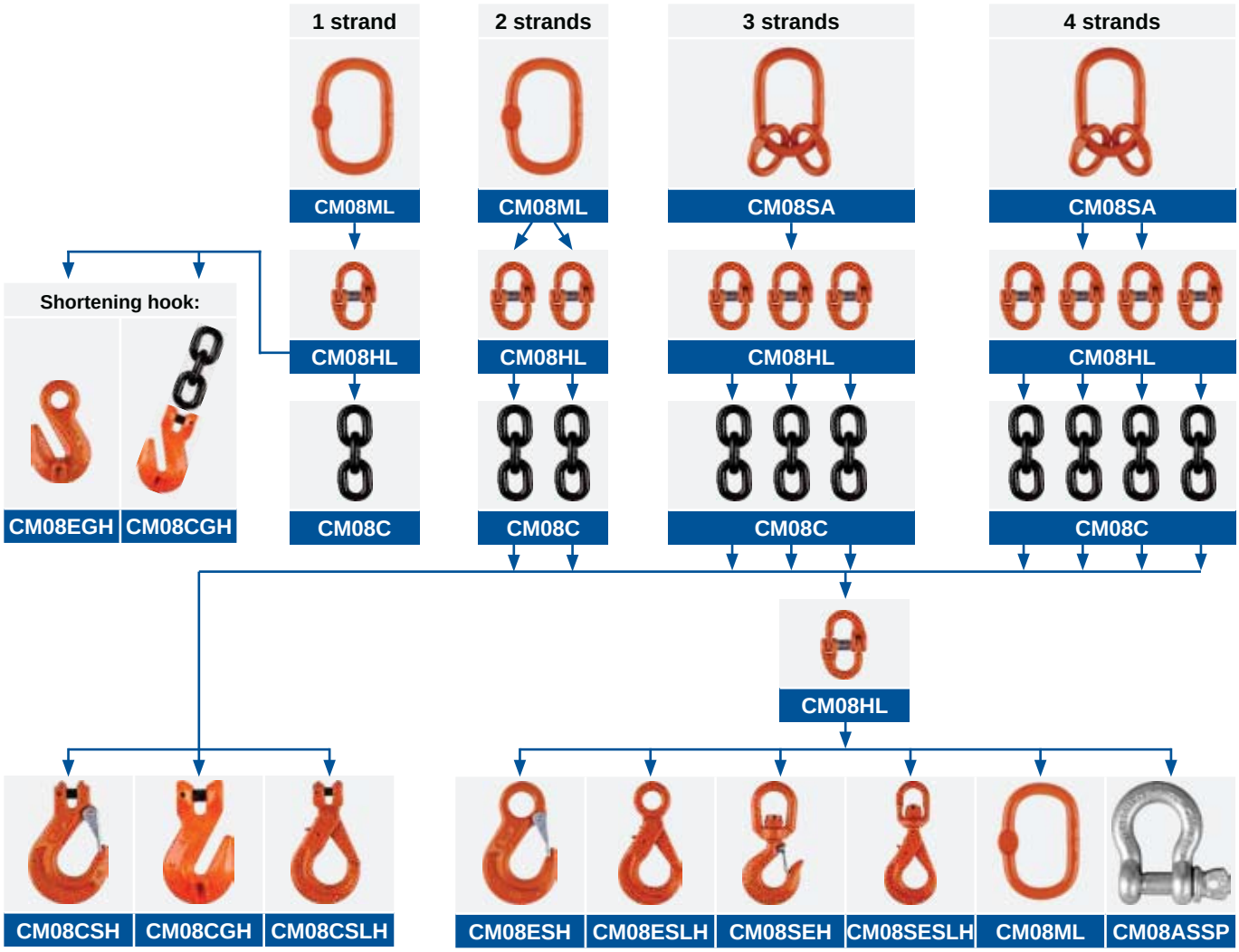
End fitting
ESH
ESLH
SEH
CSH
CSLH
ASSP
ML

Lifting ring
ML...1/2-strand
SA...3/4-strand

Chain slings

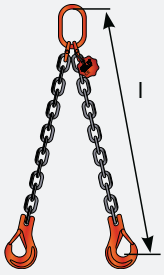
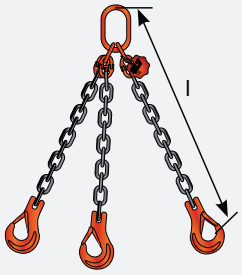
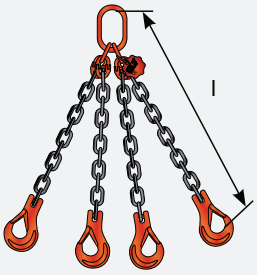
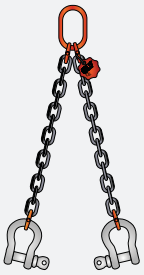
Chain slings grade 8

Component overview



Chain diameter						
mm		1 strand	2 strands	3+4 strands		
6	CM08C-06	CM08ML-D13	CM08ML-D13	CM08SA-0607	CM08HL-06	CM08CGH-06
7	CM08C-07	CM08ML-D13	CM08ML-D16	CM08SA-0607	CM08HL-08	CM08CGH-08
8	CM08C-08	CM08ML-D16	CM08ML-D18	CM08SA-08	CM08HL-08	CM08CGH-08
10	CM08C-10	CM08ML-D18	CM08ML-D22	CM08SA-10	CM08HL-10	CM08CGH-10
13	CM08C-13	CM08ML-D22	CM08ML-D26	CM08SA-13	CM08HL-13	CM08CGH-13
16	CM08C-16	CM08ML-D26	CM08ML-D32	CM08SA-16	CM08HL-16	CM08CGH-16
18	CM08C-18	CM08ML-D32	CM08ML-D36	CM08SA-20	CM08HL-20	CM08CGH-20
20	CM08C-20	CM08ML-D36	CM08ML-D40	CM08SA-20	CM08HL-20	CM08CGH-20
22	CM08C-22	CM08ML-D40	CM08ML-D45	CM08SA-22	CM08HL-22	CM08CGH-22
26	CM08C-26	CM08ML-D45	CM08ML-D50	CM08SA-26	CM08HL-26	CM08CGH-26
32	CM08C-32	CM08ML-D50	-	CM08SA-32	CM08HL-32	-

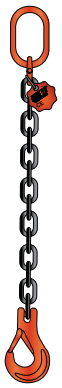
Most commonly used chain slings

1 strand	2 strands	3 strands	4 strands
			
CS08-400-1-**-****-ML-CSH	CS08-400-2-**-****-ML-CSH	CS08-400--3-**-****-SA-CSH	CS08-400-4-**-****-SA-CSH
			
CS08-400-1-**-****-ML-ASSP	CS08-400-2-**-****-ML-ASSP	CS08-400-3-**-****-SA-ASSP	CS08-400--4-**-****-SA-ASSP
			
CS08-400-1-**-****-ML-CSH-CGH	CS08-400-2-**-****-ML-CSH-CGH	CS08-400-3-**-****-SA-CSH-CGH	CS08-400-4-**-****-SA-CSH-CGH

							
							EN shackle*
CM08CSH-06	CM08CSLH-06	CM08ESH-06	CM08ESLH-06	CM08SEH-06	CM08SESLH-06	ASSP/BN-1,00	
CM08CSH-08	CM08CSLH-08	CM08ESH-08	CM08ESLH-08	CM08SEH-08	CM08SESLH-08	ASSP/BN-1,50	
CM08CSH-08	CM08CSLH-08	CM08ESH-08	CM08ESLH-08	CM08SEH-08	CM08SESLH-08	ASSP/BN-2,00	
CM08CSH-10	CM08CSLH-10	CM08ESH-10	CM08ESLH-10	CM08SEH-10	CM08SESLH-10	ASSP/BN-3,25	
CM08CSH-13	CM08CSLH-13	CM08ESH-13	CM08ESLH-13	CM08SEH-13	CM08SESLH-13	ASSP/BN-6,50	
CM08CSH-16	CM08CSLH-16	CM08ESH-16	CM08ESLH-16	CM08SEH-16	CM08SESLH-16	ASSP/BN-8,50	
CM08CSH-20	CM08CSLH-20	CM08ESH-20	CM08ESLH-20	CM08SEH-20	CM08SESLH-20	ASSP/BN-12,00	
CM08CSH-20	CM08CSLH-20	CM08ESH-20	CM08ESLH-20	CM08SEH-20	CM08SESLH-20	ASSP/BN-13,50	
CM08CSH-22	CM08CSLH-22	CM08ESH-22	CM08ESLH-22	CM08SEH-22	CM08SESLH-22	ASSP/BN-17,00	
CM08CSH-26	CM08CSLH-26	CM08ESH-26	CM08ESLH-26	CM08SEH-26	CM08SESLH-26	ASSP/BN-25,00	
CM08CSH-32	CM08CSLH-32	CM08ESH-32	CM08ESLH-32	CM08SEH-32	CM08SESLH-32	ASSP/BN-35,00	

** Only the ASSP-EN and ASBN-EN shackles may be used for installation in slings*

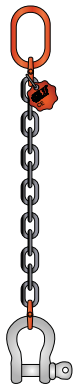
Chain sling CS08-400-1-**-****-ML-CSH



Type	Load capacity at 0°	Prices		
		2 m	4 m	each additional m
	t	EUR	EUR	EUR
CS08-400-1-06-****-ML-CSH	1.12			
CS08-400-1-07-****-ML-CSH	1.50			
CS08-400-1-08-****-ML-CSH	2.00			
CS08-400-1-10-****-ML-CSH	3.15			
CS08-400-1-13-****-ML-CSH	5.30			
CS08-400-1-16-****-ML-CSH	8.00			

*** Diameter*
***** Length in mm*

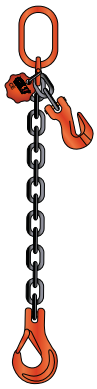
Chain sling CS08-400-1-**-****-ML-ASSP



Type	Load capacity at 0°	Prices		
		2 m	4 m	each additional m
	t	EUR	EUR	EUR
CS08-400-1-06-****-ML-ASSP	1.12			
CS08-400-1-07-****-ML-ASSP	1.50			
CS08-400-1-08-****-ML-ASSP	2.00			
CS08-400-1-10-****-ML-ASSP	3.15			
CS08-400-1-13-****-ML-ASSP	5.30			
CS08-400-1-16-****-ML-ASSP	8.00			

*** Diameter*
***** Length in mm*

Chain sling CS08-400-1-**-****-ML-CSH-CGH



Type	Load capacity at 0°	Prices		
		2 m	4 m	each additional m
	t	EUR	EUR	EUR
CS08-400-1-06-****-ML-CSH-CGH	1.12			
CS08-400-1-07-****-ML-CSH-CGH	1.50			
CS08-400-1-08-****-ML-CSH-CGH	2.00			
CS08-400-1-10-****-ML-CSH-CGH	3.15			
CS08-400-1-13-****-ML-CSH-CGH	5.30			
CS08-400-1-16-****-ML-CSH-CGH	8.00			

*** Diameter*
***** Length in mm*

Chain sling CS08-400-2-**-****-ML-CSH

Type	Load capacity		Prices		
	at 0°- 45°	at 46° - 60°	2 m	4 m	each additional m
	t	t	EUR	EUR	EUR
CS08-400-2-06-****-ML-CSH	1.60	1.12			
CS08-400-2-07-****-ML-CSH	2.12	1.50			
CS08-400-2-08-****-ML-CSH	2.80	2.00			
CS08-400-2-10-****-ML-CSH	4.25	3.15			
CS08-400-2-13-****-ML-CSH	7.50	5.30			
CS08-400-2-16-****-ML-CSH	11.20	8.00			

*** Diameter*
***** Length in mm*

Chain sling CS08-400-2-**-****-ML-ASSP

Type	Load capacity		Prices		
	at 0°- 45°	at 46° - 60°	2 m	4 m	each additional m
	t	t	EUR	EUR	EUR
CS08-400-2-06-****-ML-ASSP	1.60	1.12			
CS08-400-2-07-****-ML-ASSP	2.12	1.50			
CS08-400-2-08-****-ML-ASSP	2.80	2.00			
CS08-400-2-10-****-ML-ASSP	4.25	3.15			
CS08-400-2-13-****-ML-ASSP	7.50	5.30			
CS08-400-2-16-****-ML-ASSP	11.20	8.00			

*** Diameter*
***** Length in mm*

Chain sling CS08-400-2-**-****-ML-CSH-CGH

Type	Load capacity		Prices		
	at 0°- 45°	at 46° - 60°	2 m	4 m	each additional m
	t	t	EUR	EUR	EUR
CS08-400-2-06-****-ML-CSH-CGH	1.60	1.12			
CS08-400-2-07-****-ML-CSH-CGH	2.12	1.50			
CS08-400-2-08-****-ML-CSH-CGH	2.80	2.00			
CS08-400-2-10-****-ML-CSH-CGH	4.25	3.15			
CS08-400-2-13-****-ML-CSH-CGH	7.50	5.30			
CS08-400-2-16-****-ML-CSH-CGH	11.20	8.00			

*** Diameter*
***** Length in mm*

Chain sling CS08-400-3-**-****-SA-CSH

Type	Load capacity		Prices		
	at 0°- 45°	at 46° - 60°	2 m	4 m	each additional m
	t	t	EUR	EUR	EUR
CS08-400-3-06-****-SA-CSH	2.36	1.70			
CS08-400-3-07-****-SA-CSH	3.15	2.24			
CS08-400-3-08-****-SA-CSH	4.25	3.00			
CS08-400-3-10-****-SA-CSH	6.70	4.75			
CS08-400-3-13-****-SA-CSH	11.20	8.00			
CS08-400-3-16-****-SA-CSH	17.00	11.80			

*** Diameter*
***** Length in mm*

Chain sling CS08-400-3-**-****-SA-ASSP

Type	Load capacity		Prices		
	at 0°- 45°	at 46° - 60°	2 m	4 m	each additional m
	t	t	EUR	EUR	EUR
CS08-400-3-06-****-SA-ASSP	2.36	1.70			
CS08-400-3-07-****-SA-ASSP	3.15	2.24			
CS08-400-3-08-****-SA-ASSP	4.25	3.00			
CS08-400-3-10-****-SA-ASSP	6.70	4.75			
CS08-400-3-13-****-SA-ASSP	11.20	8.00			
CS08-400-3-16-****-SA-ASSP	17.00	11.80			

*** Diameter*
***** Length in mm*

Chain sling CS08-400-3-**-****-SA-CSH-CGH

Type	Load capacity		Prices		
	at 0°- 45°	at 46° - 60°	2 m	4 m	each additional m
	t	t	EUR	EUR	EUR
CS08-400-3-06-****-SA-CSH-CGH	2.36	1.70			
CS08-400-3-07-****-SA-CSH-CGH	3.15	2.24			
CS08-400-3-08-****-SA-CSH-CGH	4.25	3.00			
CS08-400-3-10-****-SA-CSH-CGH	6.70	4.75			
CS08-400-3-13-****-SA-CSH-CGH	11.20	8.00			
CS08-400-3-16-****-SA-CSH-CGH	17.00	11.80			

*** Diameter*
***** Length in mm*

Chain sling CS08-400-4-**-****-SA-CSH

Type	Load capacity		Prices		
	at 0°- 45°	at 46° - 60°	2 m	4 m	each additional m
	t	t	EUR	EUR	EUR
CS08-400-4-06-****-SA-CSH	2.36	1.70			
CS08-400-4-07-****-SA-CSH	3.15	2.24			
CS08-400-4-08-****-SA-CSH	4.25	3.00			
CS08-400-4-10-****-SA-CSH	6.70	4.75			
CS08-400-4-13-****-SA-CSH	11.20	8.00			
CS08-400-4-16-****-SA-CSH	17.00	11.80			

*** Diameter*
***** Length in mm*

Chain sling CS08-400-4-**-****-SA-ASSP

Type	Load capacity		Prices		
	at 0°- 45°	at 46° - 60°	2 m	4 m	each additional m
	t	t	EUR	EUR	EUR
CS08-400-4-06-****-SA-ASSP	2.36	1.70			
CS08-400-4-07-****-SA-ASSP	3.15	2.24			
CS08-400-4-08-****-SA-ASSP	4.25	3.00			
CS08-400-4-10-****-SA-ASSP	6.70	4.75			
CS08-400-4-13-****-SA-ASSP	11.20	8.00			
CS08-400-4-16-****-SA-ASSP	17.00	11.80			

*** Diameter*
***** Length in mm*

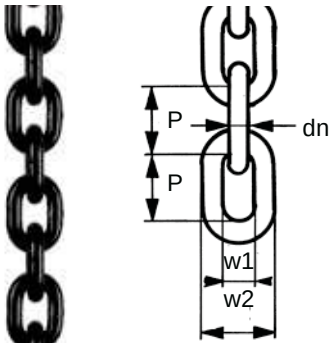
Chain sling CS08-400-4-**-****-SA-CSH-CGH

Type	Load capacity		Prices		
	at 0°- 45°	at 46° - 60°	2 m	4 m	each additional m
	t	t	EUR	EUR	EUR
CS08-400-4-06-****-SA-CSH-CGH	2.36	1.70			
CS08-400-4-07-****-SA-CSH-CGH	3.15	2.24			
CS08-400-4-08-****-SA-CSH-CGH	4.25	3.00			
CS08-400-4-10-****-SA-CSH-CGH	6.70	4.75			
CS08-400-4-13-****-SA-CSH-CGH	11.20	8.00			
CS08-400-4-16-****-SA-CSH-CGH	17.00	11.80			

*** Diameter*
***** Length in mm*

Round steel chain CM08C

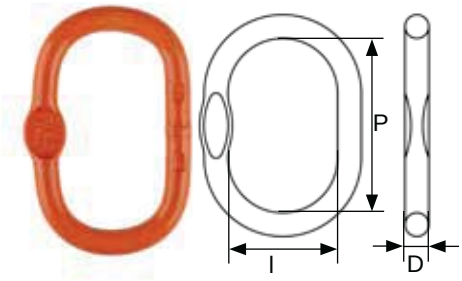
Grade 8 according to EN 818-2
Maximum usage temperature **400 °C.**



Type	Load capacity	Diameter dn	Division P	w1 min.	w2 max.	Weight	Price/m
	t	mm	mm	mm	mm	kg/m	EUR
CM08C-06	1.12	6	18	7.8	22.2	0.83	
CM08C-07	1.50	7	21	9.1	25.9	1.17	
CM08C-08	2.00	8	24	10.4	29.6	1.51	
CM08C-10	3.15	10	30	13.0	37.0	2.30	
CM08C-13	5.30	13	39	16.9	48.1	3.90	
CM08C-16	8.00	16	48	20.8	59.2	5.79	
CM08C-18	10.00	18	54	23.4	66.6	7.38	
CM08C-20	12.50	20	60	26.0	74.0	9.21	
CM08C-22	15.00	22	66	28.6	84.1	11.20	
CM08C-26	21.20	26	78	33.8	96.2	15.50	
CM08C-32	31.50	32	96	41.6	118.0	24.10	

Lifting ring CM08ML

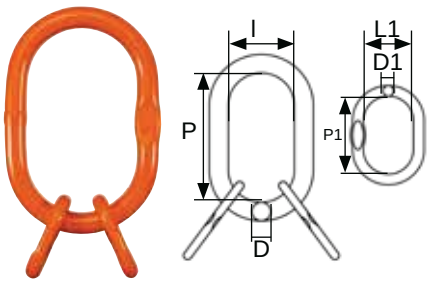
Grade 8 according to EN 1677-4
Suspension link for 1+2 strand chain
Can also be used as end link.



Type	Load capacity	D	P	l	For chain diameter		Weight	Price per item
					1 strand	2 strands		
	t	mm	mm	mm	mm	mm	kg/pc.	EUR
CM08ML-D13	1.60	13	110	60	6+7	6	0.34	
CM08ML-D16	2.12	16	110	60	8	7	0.54	
CM08ML-D18	3.15	18	135	75	10	8	0.82	
CM08ML-D22	5.30	22	160	90	13	10	1.50	
CM08ML-D26	8.00	26	180	100	16	13	2.32	
CM08ML-D32	11.20	32	200	110	18	16	3.95	
CM08ML-D36	14.00	36	260	140	20	18	6.34	
CM08ML-D40	17.00	40	300	160	22	20	8.96	
CM08ML-D45	21.20	45	340	180	26	22	12.80	
CM08ML-D50	31.50	50	350	190	32	26	16.55	

Four strand set CM08SA

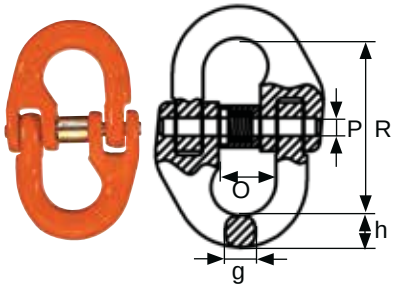
Grade 8 according to EN 1677-4
For creation of 3 and 4-strand chains with connecting links.



Type	Load capacity	D	P	l	D1	P1	L1	For chain diameter	Weight	Price per item
								3+4 strands		
	t	mm	mm	mm	mm	mm	mm	mm	kg/pc.	EUR
CM08SA-0607	3.15	18	135	75	13	60	38	6+7	1.24	
CM08SA-08	4.25	22	160	90	16	70	34	8	2.20	
CM08SA-10	6.70	26	180	100	18	85	40	10	3.40	
CM08SA-13	11.20	32	200	110	22	115	50	13	6.10	
CM08SA-16	17.00	36	260	140	16	140	65	16	9.98	
CM08SA-20	26.50	50	350	190	32	180	100	20	22.60	
CM08SA-22	31.50	50	350	190	36	180	100	22	25.20	
CM08SA-26	45.00	56	400	200	40	180	100	26	35.20	

Connecting link CM08HL

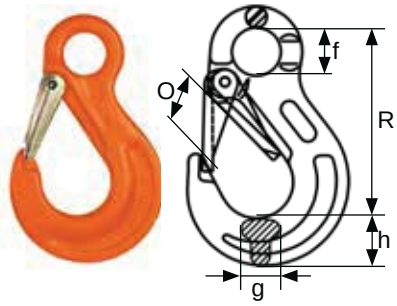
Grade 8 according to EN 1677-1
Connecting link for:
Suspension link – Chain
Chain – Chain
Hook – Chain



Type	Load capacity	g	h	O	R	P	Weight	Price per item
	t	mm	mm	mm	mm	mm	kg/pc.	EUR
CM08HL-06	1.12	7.0	7.5	15.0	42.0	4.8	0.08	
CM08HL-08	2.00	8.5	9.5	18.0	60.5	6.3	0.15	
CM08HL-10	3.15	11.5	12.0	25.0	68.0	8.0	0.30	
CM08HL-13	5.30	15.0	15.0	29.0	87.0	10.0	0.70	
CM08HL-16	8.00	19.8	19.8	34.5	108.4	14.0	1.30	
CM08HL-20	12.50	24.0	24.0	41.0	121.5	16.0	2.10	
CM08HL-22	15.00	26.0	26.0	48.0	141.5	16.0	3.20	
CM08HL-26	21.20	30.0	31.0	57.5	158.0	18.0	4.5	
CM08HL-32	31.50	37.0	38.0	67.0	205.0	25.0	9.0	

Eyehooks CM08ESH

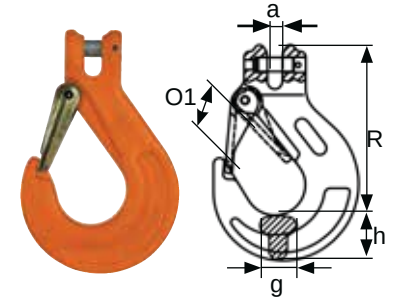
Grade 8 according to EN 1677-2
With forged safety latch.



Type	Load capacity	g	h	O	R	f	Weight	Price per item
	t	mm	mm	mm	mm	mm	kg/pc.	EUR
CM08ESH-06	1.12	13.5	19.0	24	80.0	20	0.24	
CM08ESH-08	2.00	17.0	23.0	30	98.5	25	0.40	
CM08ESH-10	3.15	22.0	32.0	34	120.0	38	0.90	
CM08ESH-13	5.30	26.0	42.5	39	152.0	43	2.35	
CM08ESH-16	8.00	34.0	48.0	46	183.5	50	3.20	
CM08ESH-20	12.50	42.0	58.5	48	221.0	63	6.36	
CM08ESH-22	15.00	44.0	75.5	71	241.0	62	9.20	
CM08ESH-26	21.20	60.0	80.5	81	279.0	64	13.00	
CM08ESH-32	31.50	66.0	88.0	102	355.0	88	17.00	

Coupling hook CM08CSH

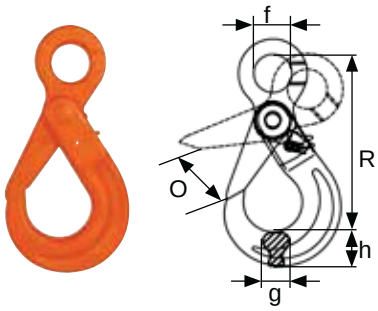
Grade 8 according to EN 1677-2
Can be used without connecting link. With forged safety latch.



Type	Load capacity	g	h	O1	R	a	Weight	Price per item
	t	mm	mm	mm	mm	mm	kg/pc.	EUR
CM08CSH-06	1.12	14.0	20.0	27	92.0	8.0	0.32	
CM08CSH-08	2.00	18.0	25.0	29	104.5	9.5	0.48	
CM08CSH-10	3.15	23.0	31.0	39	127.0	12.5	0.95	
CM08CSH-13	5.30	27.5	42.5	47	155.8	16.5	2.00	
CM08CSH-16	8.00	35.0	54.0	55	183.0	21.5	3.40	
CM08CSH-20	12.50	42.0	58.0	61	219.5	24.0	5.67	
CM08CSH-22	15.00	50.0	62.0	72	258.0	27.0	10.40	
CM08CSH-26	21.20	60.0	75.0	101	314.0	30.0	14.20	
CM08CSH-32	31.50	66.0	88.0	124	392.0	35.0	25.30	

Safety hook with eye-let CM08ESLH

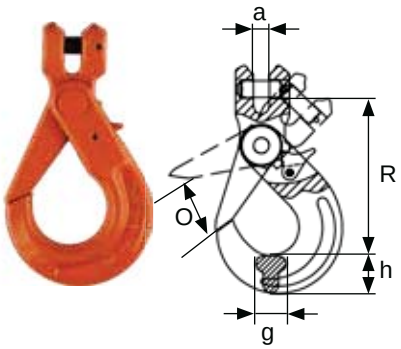
Grade 8 according to EN 1677-3
Closes and locks automatically.



Type	Load capacity	g	h	O	R	f	Weight	Price per item
	t	mm	mm	mm	mm	mm	kg/pc.	EUR
CM08ESLH-06	1.12	16	19.5	28	110.5	34	0.50	
CM08ESLH-08	2.00	20	24.0	34	136.0	46	0.80	
CM08ESLH-10	3.15	25	30.0	44	171.0	56	1.55	
CM08ESLH-13	5.30	34	40.0	52	208.5	69	3.20	
CM08ESLH-16	8.00	35	50.5	60	257.5	86	5.74	
CM08ESLH-20	12.50	50	55.0	81	275.0	100	8.00	
CM08ESLH-22	15.00	52	67.0	82	320.0	98	13.00	
CM08ESLH-26	21.20	58	75.0	110	363.0	110	18.00	
CM08ESLH-32	31.50	76	97.0	168	472.0	166	44.50	

Coupling safety load hook CM08CSLH

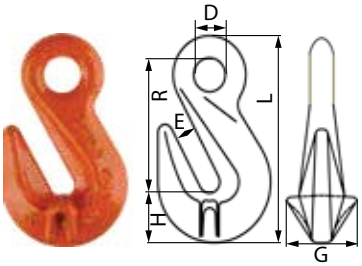
Grade 8 according to EN 1677-3
Can be used without connecting link. Closes and locks automatically.



Type	Load capacity	g	h	O	R	a	Weight	Price per item
	t	mm	mm	mm	mm	mm	kg/pc.	EUR
CM08CSLH-06	1.12	16	19.5	29.0	95.5	8.5	0.5	
CM08CSLH-08	2.00	20	24.0	34.0	121.0	9.5	0.8	
CM08CSLH-10	3.15	25	30.0	44.0	146.0	12.0	1.5	
CM08CSLH-13	5.30	34	40.0	52.0	182.0	15.0	2.8	
CM08CSLH-16	8.00	35	50.5	60.0	218.0	18.0	5.6	
CM08CSLH-20	12.50	50	55.0	83.0	240.0	25.0	7.5	
CM08CSLH-22	15.00	52	67.0	88.0	276.5	25.5	11.5	
CM08CSLH-26	21.20	58	75.0	95.5	310.0	30.0	18.5	
CM08CSLH-32	31.50	76	97.0	160.0	411.5	36.0	49.1	

Shortening hook CM08EGH

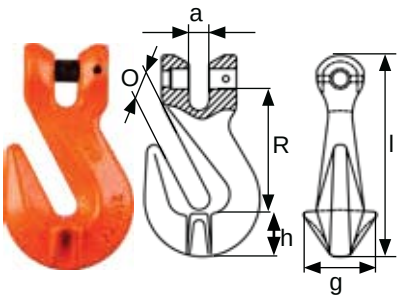
Grade 8 according to EN 1677-1
For shortening loops which should not tighten.



Type	Load capacity	g	h	e	D	R	l	Weight	Price per item
	t	mm	mm	mm	mm	mm	mm	kg/pc.	EUR
CM08EGH-06	1.12	26.7	17.9	8.0	13.5	51.4	75.3	0.14	
CM08EGH-08	2.00	33.5	20.0	10.8	18.0	61.5	91.2	0.25	
CM08EGH-10	3.15	46.0	29.0	13.0	20.0	80.0	122.0	0.65	
CM08EGH-13	5.30	57.5	42.8	16.5	26.0	99.7	158.0	1.39	
CM08EGH-16	8.00	72.0	47.7	20.0	30.5	104.0	169.0	2.20	
CM08EGH-20	12.50	74.0	56.0	25.0	37.5	140.0	219.0	4.60	
CM08EGH-22	15.00	90.0	68.0	28.0	44.0	165.0	259.0	8.20	
CM08EGH-26	21.20	102.0	77.0	30.0	41.0	188.5	298.0	9.80	
CM08EGH-32	31.50	125.5	95.0	38.0	57.0	228.0	361.0	19.40	

Coupling shortening hook CM08CGH

Grade 8 according to EN 1677-1
Can be used without connecting link. For shortening loops which should not tighten.

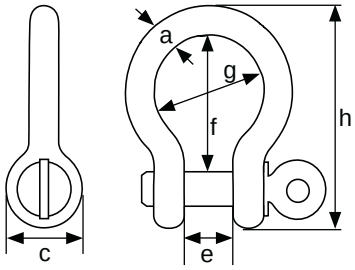


Type	Load capacity	g	h	O	R	a	l	Weight	Price per item
	t	mm	mm	mm	mm	mm	mm	kg/pc.	EUR
CM08CGH-06	1.12	21.5	17.7	8.0	43	7.5	75.0	0.25	
CM08CGH-08	2.00	33.5	18.5	10.5	52	9.5	89.0	0.32	
CM08CGH-10	3.15	46.0	29.0	13.0	75	12.5	126.0	0.73	
CM08CGH-13	5.30	57.5	42.5	16.5	91	15.0	163.5	1.60	
CM08CGH-16	8.00	74.0	45.5	19.0	98	18.5	183.5	2.80	
CM08CGH-20	12.50	74.0	56.0	24.0	121	23.0	219.0	5.00	
CM08CGH-22	15.00	90.0	68.5	27.0	138	27.0	254.0	6.30	
CM08CGH-26	21.20	102.0	77.0	30.0	169	30.0	309.0	14.50	

Standard shackle -curved ASSP/ASBN

Finish: galvanised

Material: bracket and bolts made from hardened and tempered steel.
Safety factor: 5 times WLL = minimum breakage load.
Temperature range : -20 °C to +200 °C




ASSP-RR/EN


ASSBN-RR/EN

Load capacity	Suitable for G8 chain[1]	Dimensions							Weight		Price per item			
									ASSP	ASBN	ASSP		ASBN	
		c	h	e	a	g	b	f	Eye bolts	Nut + splint	RR	EN	RR	EN
t	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	EUR	EUR	EUR	EUR
0.50		16.5	48.5	12.0	7.0	20.0	8.0	29.0	0.05	0.06				
0.75		20.0	56.0	13.5	9.0	22.0	10.0	32.0	0.10	0.11				
1.00		22.5	63.5	17.0	10.0	26.0	11.0	36.5	0.14	0.16				
1.50	6 - 7	26.5	74.0	19.0	11.0	29.0	13.0	43.0	0.19	0.22				
2.00	8	34.0	89.0	22.0	13.5	32.0	16.0	51.0	0.36	0.42				
3.25	10	40.0	110.0	27.0	16.0	43.0	19.0	64.0	0.63	0.74				
4.75		46.0	129.0	31.0	19.0	51.0	22.0	76.0	1.01	1.18				
6.50	13	52.0	144.0	36.0	22.0	58.0	25.0	83.0	1.50	1.77				
8.50	16	59.0	164.0	43.0	25.0	68.0	28.0	95.0	2.21	2.58				
9.50		66.0	185.0	47.0	28.0	75.0	32.0	108.0	3.16	3.66				
12.00	18	72.0	201.0	51.0	32.0	83.0	35.0	115.0	4.31	4.91				
13.50	20	80.0	227.0	57.0	35.0	92.0	38.0	133.0	5.55	6.54				
17.00	22	88.0	249.0	60.0	38.0	99.0	42.0	146.0	7.43	8.19				
25.00	26	103.0	300.0	74.0	45.0	126.0	50.0	178.0	12.84	14.22				
35.00	32	111.0	331.0	83.0	50.0	138.0	57.0	197.0	18.15	19.85				
55.00		145.0	433.0	105.0	65.0	180.0	70.0	260.0	37.60	39.59				
85.00		162.0	527.0	127.0	75.0	190.0	83.0	329.0	-	62.00				

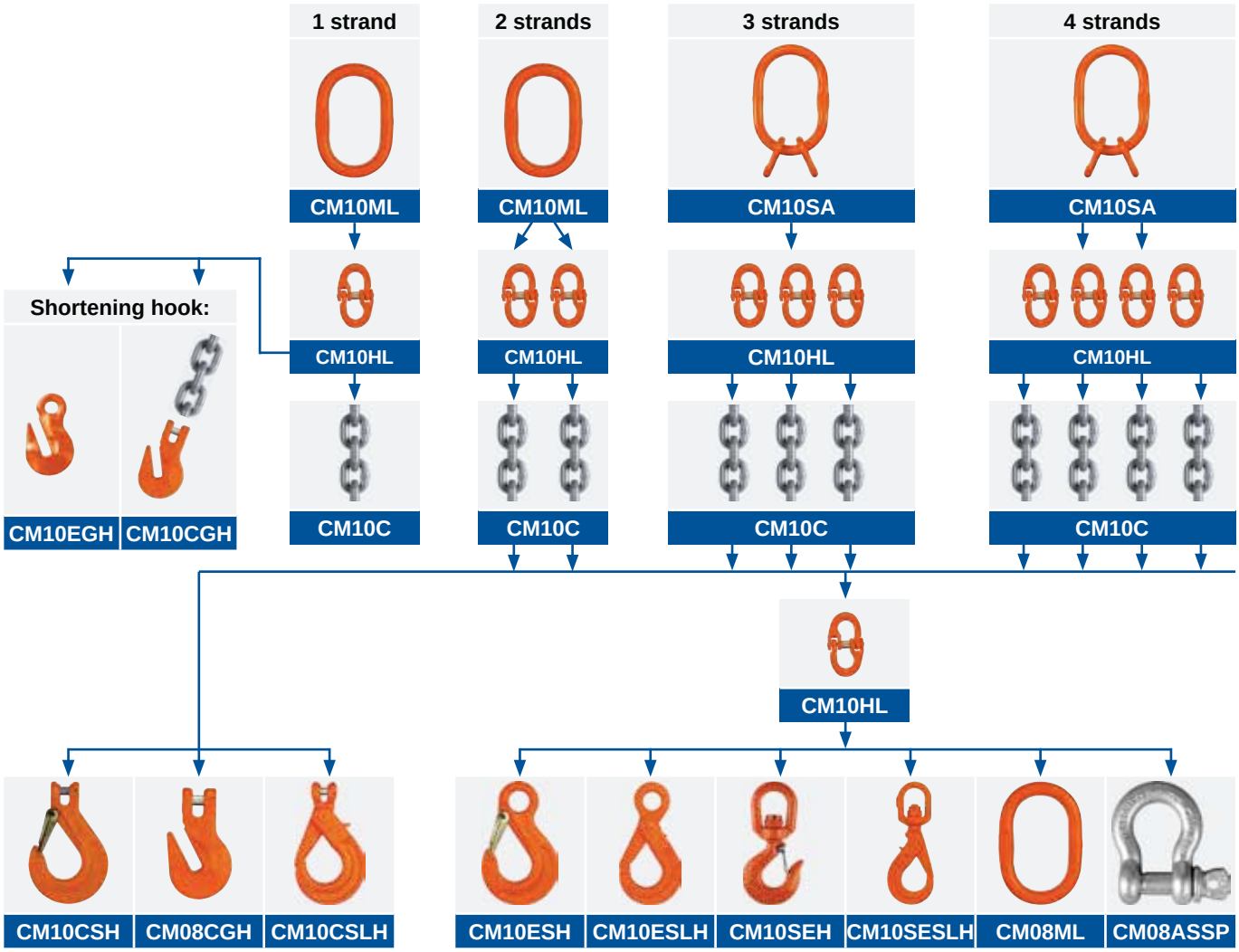
1 according to EN 818, only types ASSP-EN and ASBN-EN are installed in chain slings.

Shackle type ASSP-RR+ASBN-RR manufactured according to U.S. Federal Specification RR-C-271, CE-tested
Shackle type ASSP-EN+ASBN-EN manufactured according to EN 13889, CE-tested, suitable in accordance with EN for installation in slings

Chain slings

Chain sling grade 10

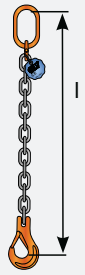
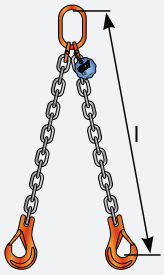
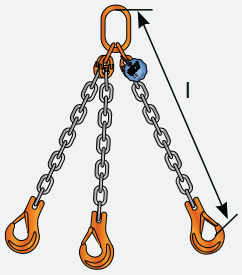
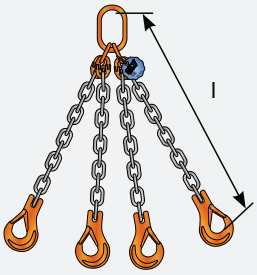
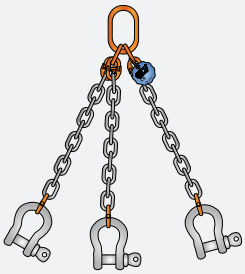
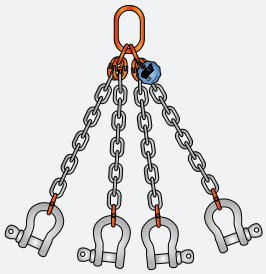
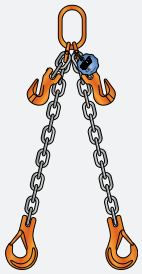
Component overview



Chain diameter							
mm		1 strand	2 strands	3+4 strands			
6	CM10-200C-06*	CM10ML-D13	CM10ML-D13	CM10SA-06	CM10HL-06	CM10CGH-0506	
7	CM10-200C-07*	CM10ML-D13	CM10ML-D16	CM10SA-0708	CM10HL-07	CM10CGH-07	
8	CM10-200C-08*	CM10ML-D16	CM10ML-D18	CM10SA-0708	CM10HL-08	CM10CGH-08	
10	CM10-200C-10*	CM10ML-D18	CM10ML-D22	CM10SA-10	CM10HL-10	CM10CGH-10	
13	CM10-200C-13*	CM10ML-D22	CM10ML-D26	CM10SA-13	CM10HL-13	CM10CGH-13	
16	CM10-200C-16*	CM10ML-D26	CM10ML-D32	CM10SA-16	CM10HL-16	CM10CGH-16	
19	CM10-200C-19*	CM10ML-D32	CM10ML-D36	CM10SA-1920	CM10HL-1920	CM10CGH-1920	
22	CM10-200C-22*	CM10ML-D36	CM10ML-D45	CM10SA-22	CM10HL-22	CM10CGH-22	
26	CM10-200C-26*	CM10ML-D45	CM10ML-D50	CM10SA-26	CM10HL-26	-	
32	CM10-200C-32*	CM10ML-D50	CM10ML-D56	CM10SA-32	CM10HL-32	-	

**available also as 400° version*

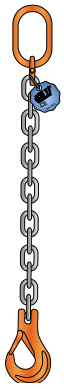
Most commonly used chain slings

1 strand	2 strands	3 strands	4 strands
			
CS10-200-1-**-****-ML-CSH	CS10-200-2-**-****-ML-CSH	CS10-200-3-**-****-SA-CSH	CS10-200-4-**-****-SA-CSH
			
CS10-200-1-**-****-ML-ASSP	CS10-200-2-**-****-ML-ASSP	CS10-200-1-**-****-SA-ASSP	CS10-200-1-**-****-SA-ASSP
			
CS10-200-1-**-****-ML-CSH-CGH	CS10-200-2-**-****-ML-CSH-CGH	CS10-200-3-**-****-SA-CSH-CGH	CS10-200-4-**-****-SA-CSH-CGH

							
							EN shackle*
CM10CSH-0506	CM10CSLH-0506	CM10ESH-0506	CM10ESLH-0506	-	CM10SESLH-06	ASSP/BN-1,50	
CM10CSH-07	CM10CSLH-07	CM10ESH-0708	CM10ESLH-0708	CM10SEH-0708	CM10SESLH-0708	ASSP/BN-2,00	
CM10CSH-08	CM10CSLH-08	CM10ESH-0708	CM10ESLH-0708	CM10SEH-0708	CM10SESLH-0708	ASSP/BN-3,25	
CM10CSH-10	CM10CSLH-10	CM10ESH-10	CM10ESLH-10	CM10SEH-10	CM10SESLH-10	ASSP/BN-4.75	
CM10CSH-13	CM10CSLH-13	CM10ESH-13	CM10ESLH-13	CM10SEH-13	CM10SESLH-13	ASSP/BN-8,50	
CM10CSH-16	CM10CSLH-16	CM10ESH-16	CM10ESLH-16	-	CM10SESLH-16	ASSP/BN-12,00	
CM10CSH-1920	CM10CSLH-1920	CM10ESH-1920	CM10ESLH-1920	-	-	ASSP/BN-17,00	
CM10CSH-22	CM10CSLH-22	CM10ESH-22	CM10ESLH-22	-	-	ASSP/BN-25,00	
-	CM10CSLH-26	CM10ESH-26	-	-	-	ASSP/BN-35,00	
-	-	CM10ESH-32	-	-	-	ASSP/BN-55.00	

** Only the ASSP-EN and ASBN-EN shackles may be used for installation in slings*

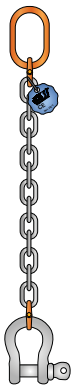
Chain sling CS10-200-1-**-****-ML-CSH



Type	Load capacity at 0°	Prices		
		2 m	4 m	each additional m
	t	EUR	EUR	EUR
CS10-200-1-06-****-ML-CSH	1.40			
CS10-200-1-07-****-ML-CSH	1.90			
CS10-200-1-08-****-ML-CSH	2.50			
CS10-200-1-10-****-ML-CSH	4.00			
CS10-200-1-13-****-ML-CSH	6.70			
CS10-200-1-16-****-ML-CSH	10.00			

*** Diameter*
**** Length in mm*
Max. use temperature 200 °C (380 °C available on request)

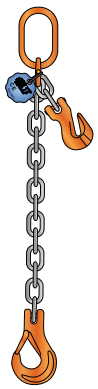
Chain sling CS10-200-1-**-****-ML-ASSP



Type	Load capacity at 0°	Prices		
		2 m	4 m	each additional m
	t	EUR	EUR	EUR
CS10-200-1-06-****-ML-ASSP	1.40			
CS10-200-1-07-****-ML-ASSP	1.90			
CS10-200-1-08-****-ML-ASSP	2.50			
CS10-200-1-10-****-ML-ASSP	4.00			
CS10-200-1-13-****-ML-ASSP	6.70			
CS10-200-1-16-****-ML-ASSP	10.00			

*** Diameter*
**** Length in mm*
Max. use temperature 200 °C (380 °C available on request)

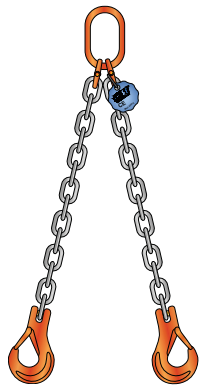
Chain sling CS10-200-1-**-****-ML-CSH-CGH



Type	Load capacity at 0°	Prices		
		2 m	4 m	each additional m
	t	EUR	EUR	EUR
CS10-200-1-06-****-ML-CSH-CGH	1.40			
CS10-200-1-07-****-ML-CSH-CGH	1.90			
CS10-200-1-08-****-ML-CSH-CGH	2.50			
CS10-200-1-10-****-ML-CSH-CGH	4.00			
CS10-200-1-13-****-ML-CSH-CGH	6.70			
CS10-200-1-16-****-ML-CSH-CGH	10.00			

*** Diameter*
**** Length in mm*
Max. use temperature 200 °C (380 °C available on request)

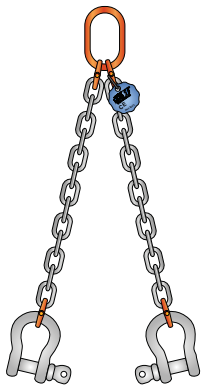
Chain sling CS10-200-2-**-****-ML-CSH



Type	Load capacity		Prices		
	at 0°- 45°	at 46° - 60°	2 m	4 m	each additional m
	t	t	EUR	EUR	EUR
CS10-200-2-06-****-ML-CSH	2.00	1.40			
CM10-200-2-07-****-ML-CSH	2.65	1.90			
CM10-200-2-08-****-ML-CSH	3.55	2.50			
CM10-200-2-10-****-ML-CSH	5.60	4.00			
CM10-200-2-13-****-ML-CSH	9.50	6.70			
CM10-200-2-16-****-ML-CSH	14.00	10.00			

*** Diameter*
**** Length in mm*
Max. use temperature 200 °C (380 °C available on request)

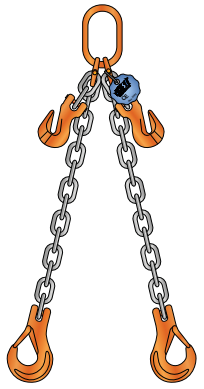
Chain sling CS10-200-2-**-****-ML-ASSP



Type	Load capacity		Prices		
	at 0°- 45°	at 46° - 60°	2 m	4 m	each additional m
	t	t	EUR	EUR	EUR
CS10-200-2-06-****-ML-ASSP	2.00	1.40			
CS10-200-2-07-****-ML-ASSP	2.65	1.90			
CS10-200-2-08-****-ML-ASSP	3.55	2.50			
CS10-200-2-10-****-ML-ASSP	5.60	4.00			
CS10-200-2-13-****-ML-ASSP	9.50	6.70			
CS10-200-2-16-****-ML-ASSP	14.00	10.00			

*** Diameter*
**** Length in mm*
Max. use temperature 200 °C (380 °C available on request)

Chain sling CS10-200-2-**-****-ML-CSH-CGH



Type	Load capacity		Prices		
	at 0°- 45°	at 46° - 60°	2 m	4 m	each additional m
	t	t	EUR	EUR	EUR
CS10-200-2-06-****-ML-CSH-CGH	2.00	1.40			
CS10-200-2-07-****-ML-CSH-CGH	2.65	1.90			
CS10-200-2-08-****-ML-CSH-CGH	3.55	2.50			
CS10-200-2-10-****-ML-CSH-CGH	5.60	4.00			
CS10-200-2-13-****-ML-CSH-CGH	9.50	6.70			
CS10-200-2-16-****-ML-CSH-CGH	14.00	10.00			

*** Diameter*
**** Length in mm*
Max. use temperature 200 °C (380 °C available on request)

Chain slings

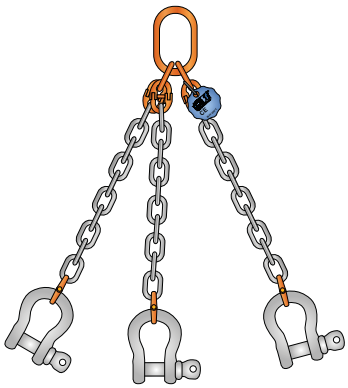
Chain sling grade 10

Chain sling CS10-200-3-**-****-SA-CSH

Type	Load capacity		Prices		
	at 0°- 45°	at 46° - 60°	2 m	4 m	each additional m
	t	t	EUR	EUR	EUR
CS10-200-3-06-****-SA-CSH	3.00	2.12			
CS10-200-3-07-****-SA-CSH	4.00	2.80			
CS10-200-3-08-****-SA-CSH	5.30	3.75			
CS10-200-3-10-****-SA-CSH	8.00	6.00			
CS10-200-3-13-****-SA-CSH	14.00	10.00			
CS10-200-3-16-****-SA-CSH	21.20	15.00			

*** Diameter*
**** Length in mm*
Max. use temperature 200 °C (380 °C available on request)

Chain sling CS10-200-3-**-****-SA-ASSP



Type	Load capacity		Prices		
	at 0°- 45°	at 46° - 60°	2 m	4 m	each additional m
	t	t	EUR	EUR	EUR
CS10-200-3-06-****-SA-ASSP	3.00	2.12			
CS10-200-3-07-****-SA-ASSP	4.00	2.80			
CS10-200-3-08-****-SA-ASSP	5.30	3.75			
CS10-200-3-10-****-SA-ASSP	8.00	6.00			
CS10-200-3-13-****-SA-ASSP	14.00	10.00			
CS10-200-3-16-****-SA-ASSP	21.20	15.00			

*** Diameter*
**** Length in mm*
Max. use temperature 200 °C (380 °C available on request)

Chain sling CS10-200-3-**-****-SA-CSH-CGH

Type	Load capacity		Prices		
	at 0°- 45°	at 46° - 60°	2 m	4 m	each additional m
	t	t	EUR	EUR	EUR
CS10-200-3-06-****-SA-CSH-CGH	3.00	2.12			
CS10-200-3-07-****-SA-CSH-CGH	4.00	2.80			
CS10-200-3-08-****-SA-CSH-CGH	5.30	3.75			
CS10-200-3-10-****-SA-CSH-CGH	8.00	6.00			
CS10-200-3-13-****-SA-CSH-CGH	14.00	10.00			
CS10-200-3-16-****-SA-CSH-CGH	21.20	15.00			

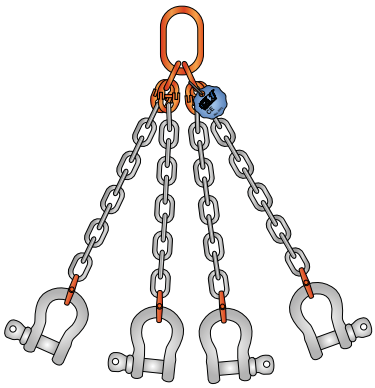
*** Diameter*
**** Length in mm*
Max. use temperature 200 °C (380 °C available on request)

Chain sling CS10-200-4-**-****-SA-CSH

Type	Load capacity		Prices		
	at 0°- 45°	at 46° - 60°	2 m	4 m	each additional m
	t	t	EUR	EUR	EUR
CS10-200-4-06-****-SA-CSH	3.00	2.12			
CS10-200-4-07-****-SA-CSH	4.00	2.80			
CS10-200-4-08-****-SA-CSH	5.30	3.75			
CS10-200-4-10-****-SA-CSH	8.00	6.00			
CS10-200-4-13-****-SA-CSH	14.00	10.00			
CS10-200-4-16-****-SA-CSH	21.20	15.00			

*** Diameter*
**** Length in mm*
Max. use temperature 200 °C (380 °C available on request)

Chain sling CS10-200-4-**-****-SA-ASSP



Type	Load capacity		Prices		
	at 0°- 45°	at 46° - 60°	2 m	4 m	each additional m
	t	t	EUR	EUR	EUR
CS10-200-4-06-****-SA-ASSP	3.00	2.12			
CS10-200-4-07-****-SA-ASSP	4.00	2.80			
CS10-200-4-08-****-SA-ASSP	5.30	3.75			
CS10-200-4-10-****-SA-ASSP	8.00	6.00			
CS10-200-4-13-****-SA-ASSP	14.00	10.00			
CS10-200-4-16-****-SA-ASSP	21.20	15.00			

*** Diameter*
**** Length in mm*
Max. use temperature 200 °C (380 °C available on request)

Chain sling CS10-200-4-**-****-SA-CSH-CGH

Type	Load capacity		Prices		
	at 0°- 45°	at 46° - 60°	2 m	4 m	each additional m
	t	t	EUR	EUR	EUR
CS10-200-4-06-****-SA-CSH-CGH	3.00	2.12			
CS10-200-4-07-****-SA-CSH-CGH	4.00	2.80			
CS10-200-4-08-****-SA-CSH-CGH	5.30	3.75			
CS10-200-4-10-****-SA-CSH-CGH	8.00	6.00			
CS10-200-4-13-****-SA-CSH-CGH	14.00	10.00			
CS10-200-4-16-****-SA-CSH-CGH	21.20	15.00			

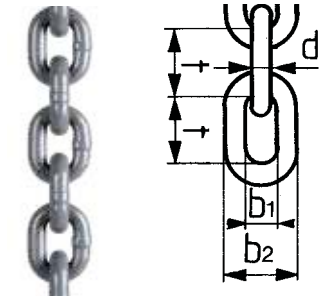
*** Diameter*
**** Length in mm*
Max. use temperature 200 °C (380 °C available on request)

Chain slings

Chain sling grade 10

Round steel chain CM10-200/CM10-380

CM10-200: corresponds to EN 818-2 with higher load capacity (but permissible operating temperature of max. 200 °C)
CM10-380: :corresponds to EN 818-2 with higher load capacity or PAS 1061 up to 16 mm (permissible operating temperature of max. 380 °C)

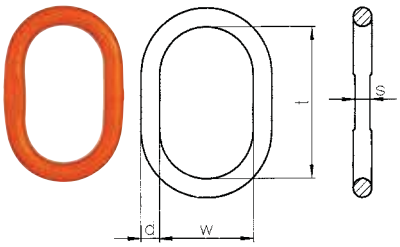


Type	Load capacity	Nominal diameter d	Separator t	internal width b1 min.	external width b2 max.	Weight	CM10-200 (200 °C) price/m	CM10-380 (380 °C) price/m
	t	mm	mm	mm	mm	kg	EUR	EUR
CM10C-05	1.00	5	16	8	19	0.61		
CM10C-06	1.40	6	18	9	22	0.96		
CM10C-07	1.90	7	21	10	25	1.20		
CM10C-08	2.50	8	24	11	29	1.57		
CM10C-10	4.00	10	30	14	36	2.46		
CM10C-13	6.70	13	39	18	47	4.18		
CM10C-16	10.00	16	48	22	58	6.28		
CM10C-19	14.00	19	57	27	69	8.92		
CM10C-22	19.00	22	66	30	79	11.88		
CM10C-26	26.50	26	78	35	94	16.18		
CM10C-32	40.00	32	96	43	115	24.10		

Suspension link CM10ML

Grade 10 according to EN 1677-4 with increased load capacity
Finish: orange powder coat

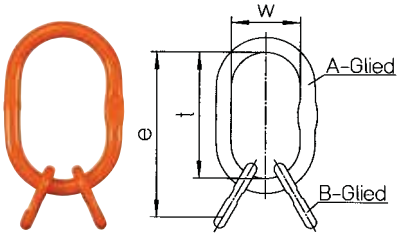
Suspension link for 1+2 strand chain
Can als be used as end link.



Type	D	t	w	s	Weight	For chain diameter		Price per item
						1 strand	2 strands	
	mm	mm	mm	mm	kg/pc.	mm	mm	EUR
CM10ML-10	10	80	50	10	0.14	5	5	
CM10ML-13	13	110	60	10	0.34	6+7	6	
CM10ML-16	16	110	60	14	0.53	8	7	
CM10ML-18	19	135	75	14	0.92	10	8	
CM10ML-22	23	160	90	17	1.60	13	10	
CM10ML-26	27	180	100	20	2.46	16	13	
CM10ML-32	33	200	110	26	4.14	19	16	
CM10ML-36	36	260	140	29	6.22	22	19	
CM10ML-45	45	340	180	-	12.82	26	22	
CM10ML-50	50	350	190	43	16.55	32	26	
CM10ML-56	60	400	200	-	27.01	-	32	
CM10ML-72	70	460	250	-	45.00	-	-	

Four-strand set CM10SA

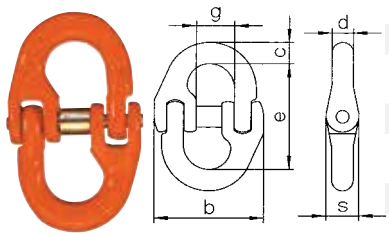
Grade 10 according to EN 1677-4 with increase load capacity
Finish: orange powder coat
For 3 and 4-strand chains with connecting link.



Type	e	t	w	Weight	For chain diameter	Price per item
					3+4 strands	
	mm	mm	mm	kg/pc.	mm	EUR
CM10SA-05	154	110	60	0.52	5	
CM10SA-06	189	135	75	1.26	6	
CM10SA-0708	230	160	90	2.32	7+8	
CM10SA-10	265	180	100	3.68	10	
CM10SA-13	315	200	110	6.46	13	
CM10SA-16	400	260	140	10.06	16	
CM10SA-1920	500	350	190	22.87	19+20	
CM10SA-22	520	350	190	24.79	22	
CM10SA-26	570	400	200	41.31	26	
CM10SA-32	660	460	250	66.60	32	

Connecting link CM10HL

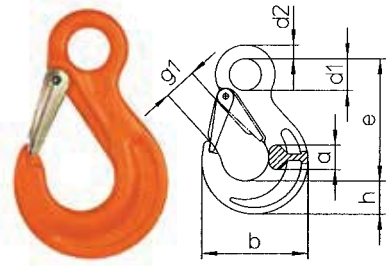
Grade 10 according to EN 1677-1 with increase load capacity
Finish: orange powder coat bolts and clamping sleeves CBHW also available separately. Connecting link for:
Suspension link – Chain
Chain – Chain
Hook – Chain



Type	Load capacity	e	c	s	D	b	g	Weight	Price per item
	t	mm	mm	mm	mm	mm	mm	kg/pc.	EUR
CM10HL-05	1.00	36	7	9	7	35	13	0.05	
CM10HL-06	1.40	44	8	11	8	39	14	0.06	
CM10HL-07	1.90	51	10	13	9	47	17	0.12	
CM10HL-08	2.50	62	12	14	10	55	18	0.23	
CM10HL-10	4.00	72	15	18	13	64	24	0.42	
CM10HL-13	6.70	88	20	22	17	79	28	0.84	
CM10HL-16	10.00	103	21	29	21	106	33	1.40	
CM10HL-1920	16.00	115	30	35	24	123	42	2.40	
CM10HL-22	19.00	161	34	39	25	148	51	4.15	
CM10HL-26	26.50	190	40	46	30	175	60	6.70	
CM10HL-32	40.00	206	47	56	35	216	80	11.20	

Eyehooks CM10ESH

Grade 10 according to EN 1677-2 with increased load capacity
Finish: orange powder coat. With forged safety latch.

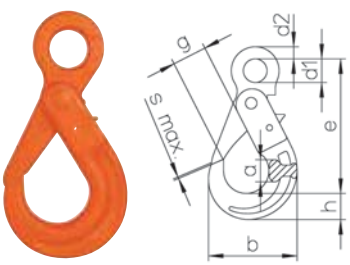


Type	Load capacity	e	h	a	D1	d2	g1	b	Weight	Price per item
	t	mm	mm	mm	mm	mm	mm	mm	kg/pc.	EUR
CM10ESH-0506	1.40	85	21	17	20	10	19	68	0.3	
CM10ESH-0708	2.50	106	27	19	25	11	26	88	0.5	
CM10ESH-10	4.00	131	33	26	34	16	31	109	1.1	
CM10ESH-13	6.70	164	44	33	43	19	39	134	2.2	
CM10ESH-16	10.00	183	50	40	50	25	45	155	3.5	
CM10ESH-1920	16.00	205	55	48	55	27	53	178	5.8	
CM10ESH-22	19.00	225	62	50	60	29	62	196	8.0	
CM10ESH-26	26.50	259	75	70	70	37	73	235	13.4	
CM10ESH-32	40.00	299	97	82	66	45	87	291	27.5	

Safety hook with eyelet CM10ESLH

Grade 10 according to EN 1677-3 with increased load capacity
Finish: orange powder coat

Large eyelet, therefore can also be used for ropes and lifting straps. Closes and locks automatically.



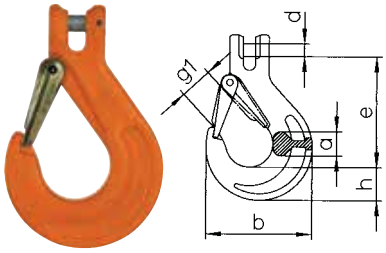
Type	Load capacity	e	h	a	b	D1	d2	g	s max.	Weight	Price per item
	t	mm	mm	mm	mm	mm	mm	mm	mm	kg/pc.	EUR
CM10ESLH-05	1.40	110	20	17	71	21	11	28	1.0	0.5	
CM10ESLH-07	2.50	136	26	20	88	25	12	34	1.0	0.9	
CM10ESLH-10	4.00	169	30	29	107	35	15	45	1.0	1.5	
CM10ESLH-13	6.70	205	40	35	138	40	20	52	1.5	2.7	
CM10ESLH-16	10.00	251	50	41	168	50	27	60	2.0	5.7	
CM10ESLH-19	16.00	290	62	50	194	60	30	70	2.0	9.8	
CM10ESLH-22	19.00	322	65	52	211	70	32	81	2.0	12.4	

Chain slings

Chain sling grade 10

Coupling hook CM10CSH

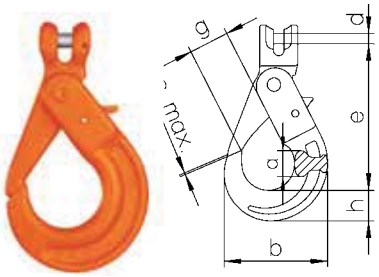
Grade 10 according to EN 1677-2 with increased load capacity
Finish: orange powder coat
Can be used without connecting link.
With forged safety latch.



Type	Load capacity	e	h	a	D	g1	b	Weight	Price per item
	t	mm	mm	mm	mm	mm	mm	kg/pc.	EUR
CM10CSH-0506	1.40	69	20	15	7.0	19	66	0.20	
CM10CSH-07	1.90	95	28	19	9.0	26	90	0.60	
CM10CSH-08	2.50	95	28	19	10.0	26	90	0.60	
CM10CSH-10	4.00	109	35	25	12.5	31	108	1.10	
CM10CSH-13	6.70	136	41	34	16.0	39	131	2.00	
CM10CSH-16	10.00	155	49	37	20.0	45	153	3.48	
CM10CSH-1920	16.00	184	53	51	24.0	53	177	5.00	
CM10CSH-22	19.00	214	62	52	27.0	62	196	9.00	

Coupling safety load hook CM10CSLH

Grade 10 according to EN 1677-3 with increased load capacity
Finish: orange powder coat. Can be used without connecting link. Closes and locks automatically.



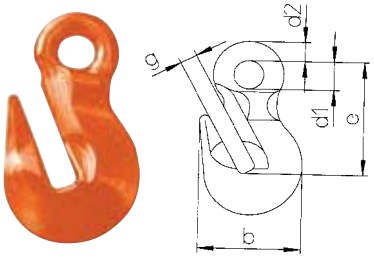
Type	Load capacity	e	h	a	b	D	g	s max.	Weight	Price per item
	t	mm	mm	mm	mm	mm	mm	mm	kg/pc.	EUR
CM10CSLH-05	1.40	94	20	17	71	7.0	28	1.0	0.5	
CM10CSLH-07	1.90	123	26	20	88	9.0	34	1.0	0.9	
CM10CSLH-08	2.50	123	26	20	88	10.0	34	1.0	0.9	
CM10CSLH-10	4.00	144	30	29	107	12.5	45	1.0	1.6	
CM10CSLH-13	6.70	180	40	35	138	16.0	52	1.5	2.9	
CM10CSLH-16	10.00	218	50	41	168	20.0	60	2.0	5.8	
CM10CSLH-19	16.00	259	62	50	194	24.0	70	2.0	9.90	
CM10CSLH-22	19.00	286	65	52	211	27.0	81	2.0	12.80	
CM10CSLH-26	26.50	338	79	61	253	33.0	100	2.0	20.50	

Replacement coupling bolts available on request!

Parallel hook CM10EGH

Grade 10 according to EN 1677-1 with increased load capacity

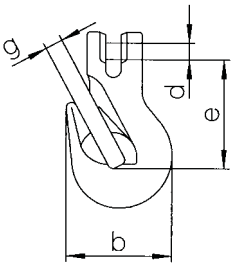
Finish: orange powder coat
For shortening loops that should not be tightened.



Type	Load capacity	e	b	D1	d2	g	Weight	Price per item
	t	mm	mm	mm	mm	mm	kg/pc.	EUR
CM10EGH-0506	1.40	51	48	12	9	8	0.18	
CM10EGH-0708	2.50	71	58	20	12	11	0.40	
CM10EGH-10	4.00	88	76	22	15	13	0.90	
CM10EGH-13	6.70	98	98	24	17	16	1.60	
CM10EGH-16	10.00	129	118	32	23	19	3.60	
CM10EGH-1920	16.00	151	150	36	27	25	6.15	
CM10EGH-22	19.00	170	165	42	31	27	8.30	
CM10EGH-26	26.50	201	195	50	37	32	13.8	
CM10EGH-32	40.00	243	242	60	43	38	25.0	

Coupling parallel hook CM10CGH

Grade 10 according to EN 1677-1 with increased load capacity
Finish: orange powder coat. Can be used without connecting link. For shortening loops which should not tighten.

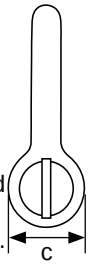


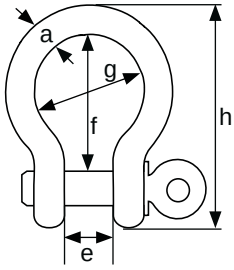
Type	Load capacity	e	b	D	g	Weight	Price per item
	t	mm	mm	mm	mm	kg/pc.	EUR
CM10CGH-0506	1.40	45	47	7.0	8	0.19	
CM10CGH-07	1.90	61	58	9.0	11	0.38	
CM10CGH-8	2.50	61	58	10.0	11	0.38	
CM10CGH-10	4.00	76	76	12.5	13	0.85	
CM10CGH-13	6.70	104	101	16.0	17	1.90	
CM10CGH- 16	10.00	116	120	20.0	20	3.60	
CM10CGH-1920	16.00	141	150	24.0	25	6.15	
CM10CGH-22	19.00	158	165	27.0	27	9.00	

Standard shackle -curved ASSP/ASBN

Finish: galvanised

Material: bracket and bolts made from hardened and tempered steel.
Safety factor: 5 times WLL = minimum breakage load.
Temperature range : -20 °C to +200 °C





ASSP-RR/EN

ASBN-RR/EN

Load capacity	Suitable for GK10 chain[1]	Dimensions							Weight		Price per item			
									ASSP	ASBN	ASSP		ASBN	
		c	h	e	a	g	b	f	Eye bolts	Nut + splint	RR	EN	RR	EN
t	mm	mm	mm	mm	mm	mm	mm	mm	kg	kg	EUR	EUR	EUR	EUR
0.50		16.5	48.5	12.0	7.0	20.0	8.0	29.0	0.05	0.06				
0.75		20.0	56.0	13.5	9.0	22.0	10.0	32.0	0.10	0.11				
1.00	05	22.5	63.5	17.0	10.0	26.0	11.0	36.5	0.14	0.16				
1.50	06	26.5	74.0	19.0	11.0	29.0	13.0	43.0	0.19	0.22				
2.00	07	34.0	89.0	22.0	13.5	32.0	16.0	51.0	0.36	0.42				
3.25	08	40.0	110.0	27.0	16.0	43.0	19.0	64.0	0.63	0.74				
4.75	10	46.0	129.0	31.0	19.0	51.0	22.0	76.0	1.01	1.18				
6.50		52.0	144.0	36.0	22.0	58.0	25.0	83.0	1.50	1.77				
8.50	13	59.0	164.0	43.0	25.0	68.0	28.0	95.0	2.21	2.58				
9.50		66.0	185.0	47.0	28.0	75.0	32.0	108.0	3.16	3.66				
12.00	16	72.0	201.0	51.0	32.0	83.0	35.0	115.0	4.31	4.91				
13.50		80.0	227.0	57.0	35.0	92.0	38.0	133.0	5.55	6.54				
17.00	19	88.0	249.0	60.0	38.0	99.0	42.0	146.0	7.43	8.19				
25.00	22	103.0	300.0	74.0	45.0	126.0	50.0	178.0	12.84	14.22				
35.00	26	111.0	331.0	83.0	50.0	138.0	57.0	197.0	18.15	19.85				
55.00	32	145.0	433.0	105.0	65.0	180.0	70.0	260.0	37.60	39.59				
85.00		162.0	527.0	127.0	75.0	190.0	83.0	329.0	-	62.00				

1 according to EN 818 only types ASSP-EN and ASBN-EN are built into chain slings.

Shackle type ASSP-RR+ASBN-RR manufactured according to U.S. Federal Specification RR-C-271, CE-tested
Shackle type ASSP-EN+ASBN-EN manufactured according to EN 13889, CE-tested, suitable in accordance with EN for installation in slings