

2. Kettingen en toebehoren  
Chaînes de levage et accessoires  
Lifting chains and accessories



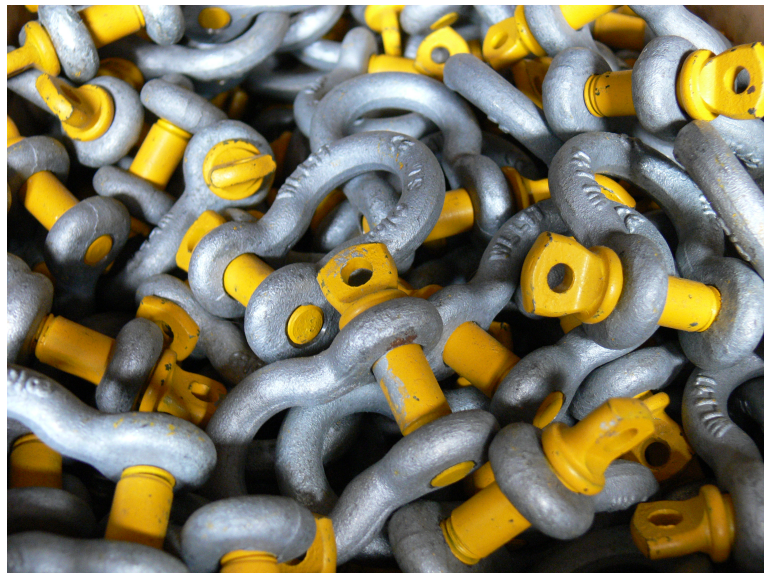
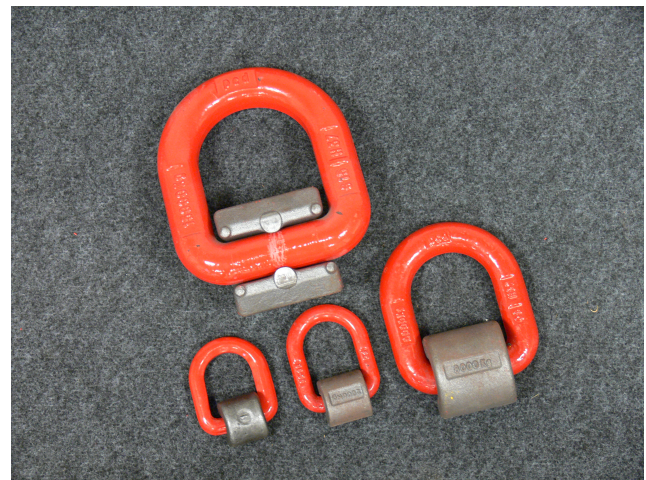
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HEF-EN HIJSTECHNIEKEN  
LIFTING TECHNIQS  
TECHNIQUES DE LEVAGE

**2.3 Kettingmateriaal Grade 80 – Accessoires de chaînes Grade 80 – Lifting chain accessories Grade 80**

| Kenmerken         |          |
|-------------------|----------|
| Rek bij breuk     | 25%      |
| Hardheid          | Grade 80 |
| Veiligheidsfactor | 4:1      |

| Caractéristiques        |          |
|-------------------------|----------|
| Elasticité chez rupture | 25%      |
| Dureté                  | Grade 80 |
| Facteur de sécurité     | 4:1      |

| Features              |          |
|-----------------------|----------|
| Elasticity with break | 25%      |
| Hardness              | Grade 80 |
| Safety factor         | 4:1      |



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**Ratelvrachtspanners – Tendeurs d'arrimage pour chaîn – Load binders with ratchet and hook**

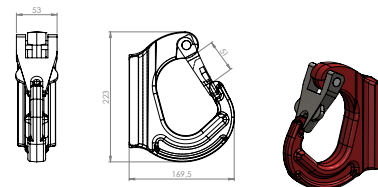
| CODE     | Min - max Ø | SWL  | Eigen gewicht* |
|----------|-------------|------|----------------|
|          | mm          | Ton  | kg             |
| KMRS0810 | 8 - 10      | 3    | 5,1            |
| KMRS1013 | 10 - 13     | 4,17 | 5,8            |
| KMRS1316 | 13 - 16     | 6,6  | 6,6            |



\* Eigen gewicht – Propre poids – Own weight

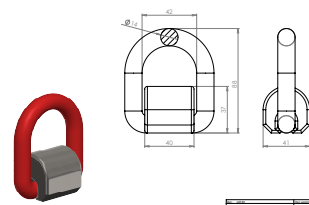
**Aanlashaken – Crochets de levage à souder – Weld on hooks**

| CODE    | SWL | Eigen gewicht* |
|---------|-----|----------------|
|         | Ton | kg             |
| KMAH020 | 2   | 0,83           |
| KMAH030 | 3   | 1,2            |
| KMAH050 | 5   | 2,46           |
| KMAH080 | 8   | 3,26           |
| KMAH100 | 10  | 5,17           |



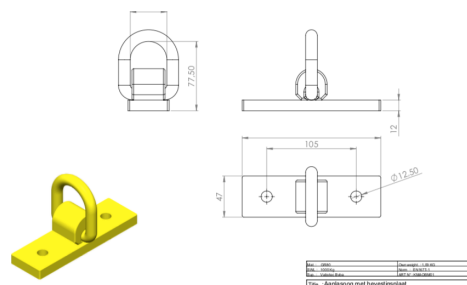
**Aanlasogen – Oeillets à souder – Forged D rings with lash**

| CODE    | SWL | Eigen gewicht* |
|---------|-----|----------------|
|         | Ton | kg             |
| KMAO020 | 2   | 0,44           |
| KMAO030 | 3   | 0,67           |
| KMAO050 | 5   | 1,15           |
| KMAO080 | 8   | 2,5            |
| KMAO150 | 15  | 5,79           |



**Aanlasogen met plaat – Oeillets à souder avec plaque – Forged D rings with lash plate mounted**

| CODE     | SWL |
|----------|-----|
|          | Ton |
| KMAOBM01 | 1   |
| KMAOBM02 | 2   |
| KMAOBM03 | 3   |
| KMAOBM05 | 5   |
| KMAOBM08 | 6   |



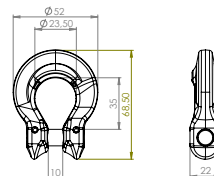
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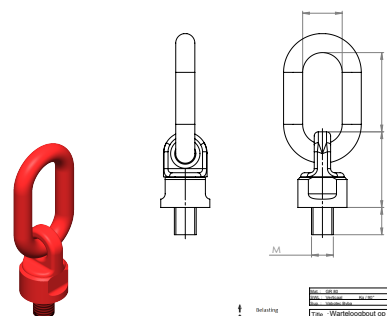
**Omegasluitingen – Mailles omega – Omega link**

| CODE     | Ø       | SWL  | Eigen gewicht* |
|----------|---------|------|----------------|
|          | mm      |      | kg             |
| KMOS0506 | 5 - 6   | 1    | 0,07           |
| KMOS0708 | 7 - 8   | 2    | 0,12           |
| KMOS010  | 10      | 3,2  | 0,28           |
| KMOS013  | 13      | 5,1  | 0,58           |
| KMOS016  | 16      | 8    | 1,13           |
| KMOS1820 | 18 - 20 | 12,6 | 1,5            |



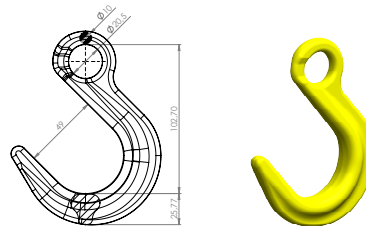
**Warteloogbouten op lager 90° - Oeillets de levage à émerillon 90° - Multi Directional lifting swivels 90°**

| CODE     | SWL  | A        |
|----------|------|----------|
|          | Ton  |          |
| KMSW005  | 0,5  | M12 x 20 |
| KMSW125  | 1,25 | M16 x 20 |
| KMSW200  | 2    | M20 x 30 |
| KMSW320  | 3,2  | M24 x 30 |
| KMSW500  | 5    | M30 x 35 |
| KMSW800R | 8    | M30 x 35 |
| KMSW800G | 8    | M36 x 50 |
| KMSW1000 | 10   | M36 x 50 |



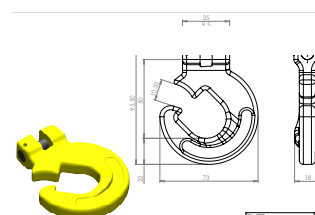
**Gieterijhaken – Crochets de fonderie – Eye foundry hooks**

| CODE   | Ø       | SWL  | Eigen gewicht* |
|--------|---------|------|----------------|
|        | mm      |      | kg             |
| KMGH07 | 6       | 1,25 | 0,6            |
| KMGH08 | 7 - 8   | 2    | 1,1            |
| KMGH10 | 10      | 3,2  | 2,1            |
| KMGH13 | 13      | 5,4  | 3,5            |
| KMGH16 | 16      | 8    | 5,3            |
| KMGH20 | 18 - 20 | 12,6 | 10,6           |
| KMGH22 | 22      | 15,8 | 13,1           |



**C-haken – Crochets modèle C – C-hooks Gieterijhaken**

| CODE   | Ø  | SWL | Eigen gewicht |
|--------|----|-----|---------------|
|        | mm |     | kg            |
| KMCH07 | 7  | 2   | 0,07          |
| KMCH10 | 10 | 3,2 | 0,12          |



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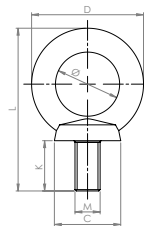
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**Glijhaken – Crochets à glisser – Sliding hooks**

| CODE     | Ø         | SWL | Eigen gewicht* |
|----------|-----------|-----|----------------|
|          | mm        |     | kg             |
| KMGH0710 | 7 + 10 mm | 3,2 | 0,07           |

**Oogbouten verzinkt – Boulons à oeil galvanisé – Galvanised eye bolts \***

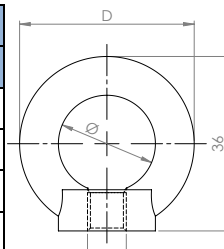
| CODE    | SWL | Ø   |
|---------|-----|-----|
|         | kg  |     |
| KMOBM08 | 140 | M8  |
| KMOBM10 | 230 | M10 |
| KMOBM12 | 340 | M12 |
| KMOBM16 | 700 | M16 |



\* (deze materialen zijn niet GRADE 80 – Ces matériaux ne sont pas GR 80 – These materials are not GR 80)

**Oogmoeren verzinkt – Ecrous à oeil galvanisé – Galvanised eye nuts \***

| CODE   | SWL | Ø   |
|--------|-----|-----|
|        | kg  |     |
| KMOM08 | 140 | M8  |
| KMOM10 | 230 | M10 |
| KMOM12 | 340 | M12 |
| KMOM16 | 700 | M16 |



\* (deze materialen zijn niet GRADE 80 – Ces matériaux ne sont pas GR 80 – These materials are not GR 80)

**Oogbouten GR80 – Boulons à oeil GR80 – Galvanised eye bolts GR80**

**Oogbout GR 80**

| ART N°  | Eigen gewicht | SWL 0° Kg | NWL | M   | D   | K  | Ø  | L   | C  |
|---------|---------------|-----------|-----|-----|-----|----|----|-----|----|
| KMOBM06 | 0,05 Kg       | 400       | 36  | M6  | 28  | 13 | 16 | 42  | 17 |
| KMOBM08 | 0,06 Kg       | 1000      | 36  | M8  | 36  | 15 | 20 | 51  | 20 |
| KMOBM10 | 0,11 Kg       | 1000      | 45  | M10 | 45  | 18 | 25 | 63  | 25 |
| KMOBM12 | 0,18 Kg       | 2000      | 53  | M12 | 54  | 22 | 30 | 75  | 30 |
| KMOBM14 | 0,28 Kg       | 4000      | 62  | M14 | 63  | 28 | 35 | 88  | 35 |
| KMOBM16 | 0,45 Kg       | 4000      | 62  | M16 | 63  | 28 | 35 | 88  | 35 |
| KMOBM20 | 0,87 Kg       | 6000      | 71  | M20 | 72  | 30 | 40 | 101 | 40 |
| KMOBM24 | 1,66 Kg       | 8000      | 90  | M24 | 90  | 38 | 50 | 128 | 50 |
| KMOBM30 | 2,65 Kg       | 12000     | 109 | M30 | 108 | 45 | 60 | 154 | 60 |
| KMOBM36 | 4,03 Kg       | 16000     | 128 | M36 | 126 | 55 | 70 | 183 | 70 |
| KMOBM42 | 6,38 Kg       | 24000     | 147 | M42 | 144 | 65 | 80 | 121 | 85 |



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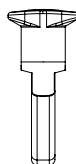
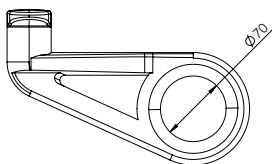
**Oogmoeren GR80 – Ecrous à oeil GR80 – Eye nuts GR80**

**Oogmoer GR 80**

| ART N°  | Eigen gewicht | SWL 0° Kg | NWL | M   | D   | Ø   | L   |
|---------|---------------|-----------|-----|-----|-----|-----|-----|
| KMOMM06 | 0,04 Kg       | 400       | 36  | M6  | 36  | Ø20 | 36  |
| KMOMM08 | 0,05 Kg       | 800       | 36  | M8  | 36  | Ø20 | 36  |
| KMOMM10 | 0,09 Kg       | 1000      | 45  | M10 | 45  | Ø25 | 45  |
| KMOMM12 | 0,16 Kg       | 2000      | 53  | M12 | 54  | Ø30 | 53  |
| KMOMM14 | 0,24 Kg       | 3000      | 62  | M14 | 63  | Ø35 | 62  |
| KMOMM16 | 0,36 Kg       | 4000      | 62  | M16 | 63  | Ø35 | 62  |
| KMOMM20 | 0,72 Kg       | 6000      | 71  | M20 | 72  | Ø40 | 71  |
| KMOMM24 | 1,32 Kg       | 8000      | 90  | M24 | 90  | Ø50 | 90  |
| KMOMM30 | 2,08 Kg       | 12000     | 109 | M30 | 108 | Ø60 | 109 |
| KMOMM36 | 3,11 Kg       | 16000     | 128 | M36 | 126 | Ø70 | 128 |
| KMOMM42 | 4,03 Kg       | 24000     | 147 | M42 | 144 | Ø80 | 147 |

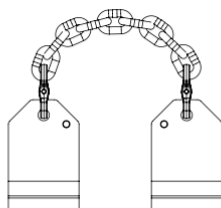
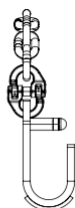
**Containerhaken – Crochets conteneur – Container hooks**

| CODE     | SWL |
|----------|-----|
|          | Ton |
| KMCHS12T | 12  |



**Containerdeur locker – Casier de porte conteneur – Container door locker**

| CODE       |
|------------|
| KMCDHOOKLR |

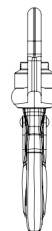


Date: \_\_\_\_\_  
 Rev: \_\_\_\_\_  
 Description: \_\_\_\_\_  
 Status: \_\_\_\_\_

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LIFTING TECHNICS  
TECHNIQUES DE LEVAGE

Technical drawing of a hook with dimensions: 36, 42, 170, 88, and 30-30.

| CODE       | SWL |
|------------|-----|
|            | Ton |
| KMSWVHLA08 | 8   |
| KMSWVHLA10 | 10  |
| KMSWVHLA16 | 16  |
| KMSWVHLA20 | 20  |

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TECHNIQUES DE LEVAGE

## 2.4 Sluitingen – Manilles – Shackles

| Kenmerken         |                                             |
|-------------------|---------------------------------------------|
| Materiaal         | Niet-verouderbaar staal GR80                |
| Keuring           | CE                                          |
| Veiligheidsfactor | 6:1 voor capaciteiten van 500kg tem 17000kg |
|                   | 4:1 voor capaciteit van 25000kg tem 55000kg |

| Caractéristiques    |                                          |
|---------------------|------------------------------------------|
| Matériel            | fer durable GR80                         |
| Inspection          | CE                                       |
| Facteur de sécurité | 6:1 pour capacités de 500kg au 17000kg   |
|                     | 4:1 pour capacités de 25000kg au 55000kg |

| Features      |                                              |
|---------------|----------------------------------------------|
| Material      | Non ageable steel GR80                       |
| Inspection    | CE                                           |
| Safety factor | 6:1 for capacities from 500kg till 17000kg   |
|               | 4:1 for capacities from 25000kg till 55000kg |

**Hoogwaardige DEE sluitingen met borstbout**  
**Manilles droite haut résistance vissée**  
**High resistance DEE shackles with screw pin**

| CODE      | Ø pin | Ø pin | WLL / CMU |
|-----------|-------|-------|-----------|
|           | inch  | mm    | Ton       |
| DSBB00050 | 1/4   | 7     | 0,5       |
| DSBB00075 | 5/16  | 9     | 0,75      |
| DSBB00100 | 3/8   | 10    | 1         |
| DSBB00150 | 7/16  | 11    | 1,5       |
| DSBB00200 | 1/2   | 13    | 2         |
| DSBB00325 | 5/8   | 16    | 3,25      |
| DSBB00475 | 3/4   | 19    | 4,75      |
| DSBB00650 | 7/8   | 22    | 6,5       |
| DSBB00850 | 1     | 25    | 8,5       |
| DSBB00950 | 1 1/8 | 28    | 9,5       |
| DSBB01200 | 1 1/4 | 32    | 12        |
| DSBB01350 | 1 3/8 | 35    | 13,5      |
| DSBB01700 | 1 1/2 | 38    | 17        |
| DSBB02500 | 1 3/4 | 45    | 25        |
| DSBB03500 | 2     | 50    | 35        |
| DSBB05500 | 2 1/2 | 65    | 55        |



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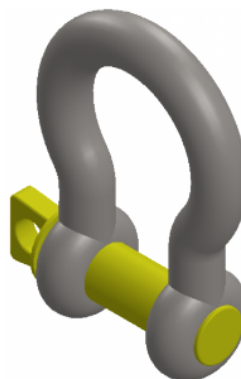
**Hoogwaardige DEE sluitingen met bout en moer**  
**Manilles droite haut résistance boulon et un écrou**  
**High resistance DEE shackles with bolt and nut + safety pin**

| CODE      | Ø pin | Ø pin | WLL / CMU |
|-----------|-------|-------|-----------|
|           | inch  | mm    | Ton       |
| DSBM00050 | 1/4   | 7     | 0,5       |
| DSBM00075 | 5/16  | 9     | 0,75      |
| DSBM00100 | 3/8   | 10    | 1         |
| DSBM00150 | 7/16  | 11    | 1,5       |
| DSBM00200 | 1/2   | 13    | 2         |
| DSBM00325 | 5/8   | 16    | 3,25      |
| DSBM00475 | 3/4   | 19    | 4,75      |
| DSBM00650 | 7/8   | 22    | 6,5       |
| DSBM00850 | 1     | 25    | 8,5       |
| DSBM00950 | 1 1/8 | 28    | 9,5       |
| DSBM01200 | 1 1/4 | 32    | 12        |
| DSBM01350 | 1 3/8 | 35    | 13,5      |
| DSBM01700 | 1 1/2 | 38    | 17        |
| DSBM02500 | 1 3/4 | 45    | 25        |
| DSBM03500 | 2     | 50    | 35        |
| DSBM05500 | 2 1/2 | 65    | 55        |



**Hoogwaardige harpsluitingen met borstbout**  
**Manilles de lyre haut résistance vissée**  
**High resistance bow shackles with screw pin**

| CODE      | Ø pin | Ø pin | WLL / CMU |
|-----------|-------|-------|-----------|
|           | inch  | mm    | Ton       |
| HSBB00050 | 1/4   | 7     | 0,5       |
| HSBB00075 | 5/16  | 9     | 0,75      |
| HSBB00100 | 3/8   | 10    | 1         |
| HSBB00150 | 7/16  | 11    | 1,5       |
| HSBB00200 | 1/2   | 13    | 2         |
| HSBB00325 | 5/8   | 16    | 3,25      |
| HSBB00475 | 3/4   | 19    | 4,75      |
| HSBB00650 | 7/8   | 22    | 6,5       |
| HSBB00850 | 1     | 25    | 8,5       |
| HSBB00950 | 1 1/8 | 28    | 9,5       |
| HSBB01200 | 1 1/4 | 32    | 12        |
| HSBB01350 | 1 3/8 | 35    | 13,5      |
| HSBB01700 | 1 1/2 | 38    | 17        |
| HSBB02500 | 1 3/4 | 45    | 25        |
| HSBB03500 | 2     | 50    | 35        |
| HSBB05500 | 2 1/2 | 65    | 55        |



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**Hoogwaardige harpsluitingen met bout en moer**  
**Manilles de lyre haut résistance boulon et un écrou**  
**High resistance bow shackles with bolt and nut + safety pin**

| CODE      | Ø pin | Ø pin | WLL / CMU |
|-----------|-------|-------|-----------|
|           | inch  | mm    | Ton       |
| HSBM00050 | 1/4   | 7     | 0,5       |
| HSBM00075 | 5/16  | 9     | 0,75      |
| HSBM00100 | 3/8   | 10    | 1         |
| HSBM00150 | 7/16  | 11    | 1,5       |
| HSBM00200 | 1/2   | 13    | 2         |
| HSBM00325 | 5/8   | 16    | 3,25      |
| HSBM00475 | 3/4   | 19    | 4,75      |
| HSBM00650 | 7/8   | 22    | 6,5       |
| HSBM00850 | 1     | 25    | 8,5       |
| HSBM00950 | 1 1/8 | 28    | 9,5       |
| HSBM01200 | 1 1/4 | 32    | 12        |
| HSBM01350 | 1 3/8 | 35    | 13,5      |
| HSBM01700 | 1 1/2 | 38    | 17        |
| HSBM02500 | 1 3/4 | 45    | 25        |
| HSBM03500 | 2     | 50    | 35        |
| HSBM05500 | 2 1/2 | 65    | 55        |

