

# BETA

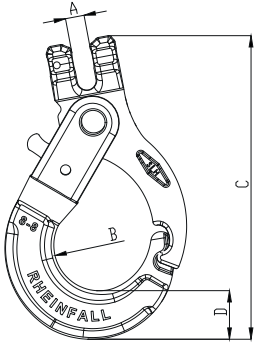
ZİNCİR VE HALAT AKSESUARLARI

## TECHNICAL CATALOGUE 2024



CE

CRAPEX RHEINFALL  
Rail clips

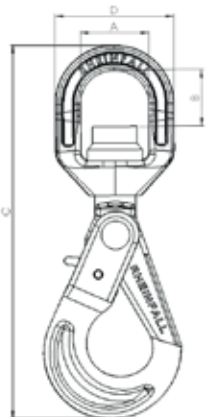


RHEINFALL ® Clevis self locking hook EN1677-3, grade 8

- Material : Alloy steel, grade 8, quenched and tempered
- Safety factor : MBL equals 4 x WLL
- Standard : EN 1677-3
- Finish : Painted yellow or red
- Certification : 2.1-2.2-3.1

| Size | Dimensions |    |     |    | Working Load Limit / Ton |
|------|------------|----|-----|----|--------------------------|
|      | A          | B  | C   | D  |                          |
| 7-8  | 11         | 53 | 176 | 28 | 2                        |
| 10   | 13         | 60 | 200 | 32 | 3.15                     |
| 13   | 15         | 67 | 230 | 40 | 5.30                     |

| KOD       | EURO / ADET |
|-----------|-------------|
| SLH - 8MM | 27,00       |
| SLH-10MM  | 37,40       |
| SLH-13MM  | 61,00       |



RHEINFALL ® Swivel Self Locking Hook

- Material : Grade 8, alloy steel
- Safety factor : MBL equals 4 x WLL
- Standard : Generally to EN 1677-2
- Finish : Painted yellow or red
- Certification : 2.1-2.2-3.1

| Size | Dimensions |      |       |      | Working Load Limit / Ton |
|------|------------|------|-------|------|--------------------------|
|      | A          | B    | C     | D    |                          |
| 7-8  | 43,3       | 35,7 | 236,5 | 75   | 2                        |
| 10   | 47         | 40   | 270   | 79,4 | 3.15                     |
| 13   | 59         | 48   | 345   | 99,5 | 5.3                      |

| KOD       | EURO / ADET |
|-----------|-------------|
| SLS - 8MM | 42,80       |
| SLS-10MM  | 57,50       |
| SLS-13MM  | 91,00       |



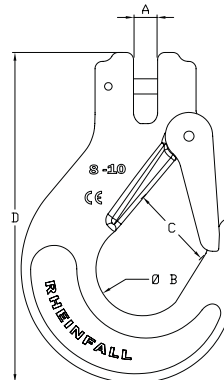
RHEINFALL ® Eye Self Locking Hook

- Material : Alloy steel, grade 8, quenched and tempered
- Safety factor : MBL equals 4 x WLL
- Standard : EN 1677-2
- Finish : Painted yellow or red
- Certification : 2.1-2.2-3.1

| Size | Dimensions |     |     | Working Load Limit / Ton |
|------|------------|-----|-----|--------------------------|
|      | A          | Ø B | Ø C |                          |
| 7-8  | 175        | 25  | 47  | 2                        |
| 10   | 214        | 32  | 56  | 3.15                     |
| 13   | 262        | 39  | 65  | 5.3                      |

**KOD EURO / ADET**

|           |       |
|-----------|-------|
| SLE - 8MM | 23,60 |
| SLE-10MM  | 33,50 |
| SLE-13MM  | 59,30 |



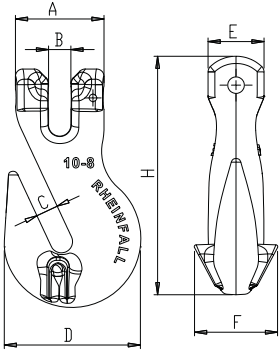
RHEINFALL ® Clevis sling hook EN1677-2, grade 8

- Material : Alloy steel, grade 8, quenched and tempered
- Safety factor : MBL equals 4 x WLL
- Standard : EN 1677-2
- Finish : Painted yellow or red
- Certification : 2.1-2.2-3.1

| Size | Dimensions |    |    |     | Working Load Limit / Ton |
|------|------------|----|----|-----|--------------------------|
|      | A          | B  | C  | D   |                          |
| 7-8  | 10         | 37 | 30 | 130 | 2                        |
| 10   | 13         | 43 | 39 | 161 | 3.15                     |
| 13   | 15         | 55 | 51 | 195 | 5.3                      |

**KOD EURO / ADET**

|           |       |
|-----------|-------|
| SLC - 8MM | 9,70  |
| SLC-10MM  | 18,20 |
| SLC-13MM  | 25,40 |

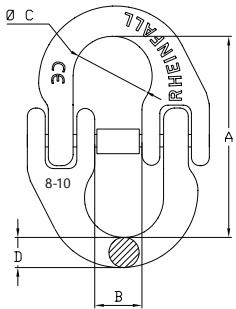


RHEINFALL ® Shortening Hook with Safety Pin EN1677-1, grade 8

- Material : Alloy steel, grade 8, quenched and tempered
- Safety factor : MBL equals 4 x WLL
- Standard : EN 1677-1
- Finish : Painted yellow or red
- Certification : 2.1-2.2-3.1

| Size | Dimensions |    |      |      |    |      |      | Working Load Limit / Ton |
|------|------------|----|------|------|----|------|------|--------------------------|
|      | A          | B  | C    | D    | E  | F    | H    |                          |
| 7-8  | 37         | 10 | 10.5 | 50.5 | 25 | 32   | 93.5 | 2                        |
| 10   | 47.5       | 12 | 12   | 73.2 | 30 | 44.5 | 128  | 3.15                     |
| 13   | 50.5       | 15 | 15   | 90   | 37 | 60   | 160  | 5.30                     |

| KOD      | EURO / ADET |
|----------|-------------|
| SH - 8MM | 4,50        |
| SH-10MM  | 8,70        |
| SH-13MM  | 20,00       |

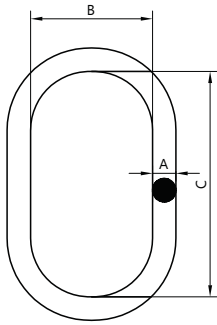


RHEINFALL ® connecting links

- Material : Grade 8, alloy steel
- Safety factor : MBL equals 4 x WLL
- Standard : Generally to EN 1677-1
- Finish : Painted yellow or red
- Certification : 2.1-2.2-3.1

| Size | Dimensions |    |     |    | Working Load Limit / Ton |
|------|------------|----|-----|----|--------------------------|
|      | A          | B  | Ø C | D  |                          |
| 7-8  | 56         | 13 | 20  | 10 | 2                        |
| 10   | 69         | 19 | 28  | 12 | 3.15                     |
| 13   | 89         | 22 | 33  | 16 | 5.3                      |

| KOD      | EURO / ADET |
|----------|-------------|
| CL - 8MM | 5,80        |
| CL-10MM  | 9,80        |
| CL-13MM  | 11,30       |

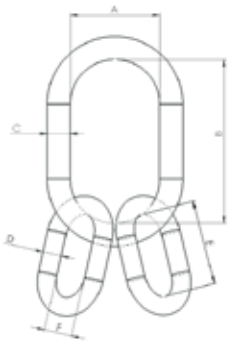


RHEINFALL ® Master links, grade 8

- Material : Grade 8, alloy steel
- Un-welded production
- Safety factor : MBL equals 4 x WLL
- Standard : Generally to EN 1677-4
- Finish : Painted yellow or red
- Certification : 2.1-2.2-3.1

| Chain diameter / mm | Dimensions |     |     | Working Load Limit / Ton |
|---------------------|------------|-----|-----|--------------------------|
|                     | A          | B   | C   |                          |
| 6                   | 13         | 50  | 90  | 1.2                      |
| 8                   | 16         | 60  | 110 | 2                        |
| 10                  | 18         | 70  | 130 | 3.15                     |
| 13                  | 22         | 90  | 160 | 5.3                      |
| 16                  | 26         | 100 | 180 | 8                        |
| 18                  | 32         | 125 | 230 | 10                       |
| 20                  | 32         | 125 | 230 | 12.5                     |

| MM      | KOD        | EURO / ADET |
|---------|------------|-------------|
| 8-8     | ML - 16 MM | 5,70        |
| 10-8    | ML - 18 MM | 9,70        |
| 13-8    | ML - 22 MM | 18,00       |
| 16-8    | ML - 26 MM | 30,30       |
| 18/20-8 | ML - 32 MM | 54,00       |

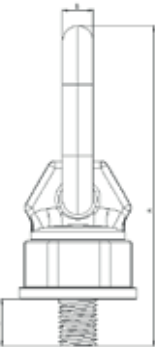
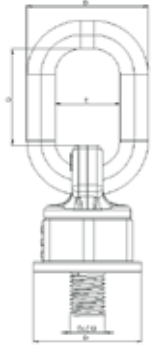


RHEINFALL ® Master Link Assembly

- Material : Alloy steel, grade 8, quenched and tempered
- Safety factor : MBL equals 4 x WLL
- Standard : EN 1677-4
- Finish : Painted yellow or red
- Certification : 2.1-2.2-3.1

| Size | Dimensions |     |    |    |     |    | Working Load Limit / Ton<br>β=0° - 45° |
|------|------------|-----|----|----|-----|----|----------------------------------------|
|      | A          | B   | C  | D  | E   | F  |                                        |
| 6    | 60         | 110 | 16 | 13 | 60  | 30 | 2,36                                   |
| 8    | 90         | 160 | 22 | 16 | 70  | 35 | 4,25                                   |
| 10   | 100        | 180 | 26 | 20 | 90  | 45 | 6,7                                    |
| 13   | 125        | 230 | 32 | 26 | 120 | 60 | 11,2                                   |

| KOD         | WLL/Ton | EURO / ADET |
|-------------|---------|-------------|
| MLA - 8-8MM | 4,25    | 21,60       |
| MLA-10-8MM  | 6,70    | 36,60       |
| MLA 13 8MM  | 11 20   | 66 40       |

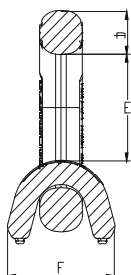
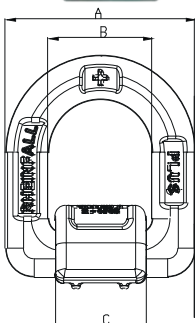


RHEINFALL ® Lifting point

- Material : Grade 8, alloy steel
- Un-welded production
- Safety factor : MBL equals 4 x WLL
- Standard : Generally to EN 1677-4
- Finish : Painted yellow or red
- Certification : 2.1-2.2-3.1

| Size | Dimensions |    |    |     |     |    |       | Working Load Limit / Ton |
|------|------------|----|----|-----|-----|----|-------|--------------------------|
|      | A          | B  | C  | D   | E   | F  | G     |                          |
| M12  | 136,5      | 13 | 20 | 50  | 56  | 30 | 44,5  | 0,6                      |
| M16  | 136,5      | 13 | 20 | 50  | 56  | 30 | 44,5  | 1,4                      |
| M18  | 165,5      | 16 | 25 | 56  | 66  | 34 | 59,5  | 2                        |
| M20  | 165,5      | 16 | 25 | 56  | 66  | 34 | 59,5  | 2,5                      |
| M24  | 204,4      | 18 | 30 | 68  | 76  | 40 | 66,4  | 3,5                      |
| M30  | 239,3      | 22 | 40 | 73  | 95  | 51 | 75,1  | 5,3                      |
| M36  | 272        | 22 | 50 | 85  | 95  | 51 | 70,5  | 8                        |
| M42  | 364,3      | 31 | 60 | 114 | 130 | 68 | 113,5 | 10                       |
| M48  | 364,3      | 31 | 60 | 114 | 130 | 68 | 113,5 | 12,5                     |

| KOD        | WLL/Ton | EURO / ADET |
|------------|---------|-------------|
| S LP - 8MM | 0,30    | 22,60       |
| S LP-10MM  | 0,45    | 24,60       |
| S LP-12MM  | 0,60    | 26,60       |
| S LP-16MM  | 1,4     | 28,60       |
| S LP-20MM  | 2,5     | 32,60       |
| S LP-24MM  | 3,5     | 49,00       |
| S LP-30MM  | 5,3     | 70,00       |
| S LP-36MM  | 8       | 120,00      |
| S LP-42MM  | 10      | 200,00      |
| S LP-48MM  | 12,5    | 270,00      |
| S LP-56MM  | 17      | 620,00      |
| S LP-64MM  | 20      | 770,00      |

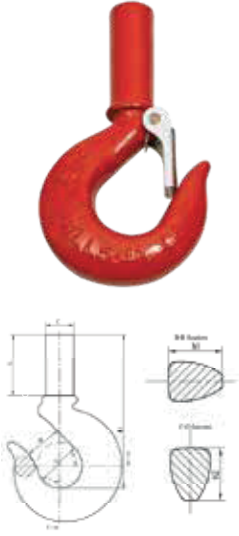


RHEINFALL ® Lashing Ring

- Material : Grade 8, alloy steel
- Safety factor : MBL equals 4 x WLL
- Standard : Generally to EN 1677
- Finish : Painted yellow or red
- Certification : 2.1-2.2-3.1

| Size | Dimensions |    |      |    |    |      | Working Load Limit / Ton |
|------|------------|----|------|----|----|------|--------------------------|
|      | A          | B  | C    | D  | E  | F    |                          |
| 2.50 | 76         | 45 | 38.5 | 15 | 48 | 38   | 2.50                     |
| 3.15 | 88         | 50 | 45   | 19 | 50 | 46   | 3.15                     |
| 6.70 | 110        | 60 | 53   | 25 | 60 | 62   | 6.70                     |
| 10.0 | 124        | 70 | 62   | 27 | 75 | 70.5 | 10.0                     |

| WLL/Ton | EURO / ADET |
|---------|-------------|
| 2,50    | 8,50        |
| 3,15    | 12,00       |
| 6,70    | 28,00       |
| 10,00   | 48,00       |



| Working Load<br>Limit / Ton | Dimensions |     |    |     |     |     |    |
|-----------------------------|------------|-----|----|-----|-----|-----|----|
|                             | A          | B   | C  | L   | L1  | H1  | H2 |
| 2.5                         | 38         | 32  | 26 | 65  | 137 | 30  | 26 |
| 3.2                         | 41         | 33  | 30 | 85  | 165 | 34  | 31 |
| 5.4                         | 50         | 37  | 35 | 85  | 185 | 42  | 38 |
| 8                           | 76         | 60  | 47 | 105 | 260 | 65  | 58 |
| 11.5                        | 82         | 65  | 52 | 108 | 275 | 75  | 66 |
| 16                          | 105        | 90  | 65 | 140 | 353 | 90  | 76 |
| 22/30                       | 130        | 110 | 81 | 240 | 504 | 109 | 85 |

| WLL/Ton | EURO / ADET |
|---------|-------------|
| 2.5     | 11,00       |
| 3.2     | 14,00       |
| 5.4     | 22,00       |
| 8       | 57,00       |
| 11.5    | 78,00       |
| 16      | 140,00      |



ADS® AK-400 Double Swivel Eyebolt

- Generally to EN 1677
- Safety factor WLLx4
- Steel with a high resistance, class > 8
- Two ways of tightening: either by open-ended spanner or by Allen key
- From M8 to M30 as standard; for loads from 0.3 t to 6.3 t
- Also available in stainless steel and "female" version

| Size | Dimensions |      |       |    | Working Load Limit / Ton |
|------|------------|------|-------|----|--------------------------|
|      | A          | B    | C     | H  |                          |
| M8   | 27.5       | 33.5 | 88.5  | 15 | 0.3                      |
| M10  | 27.5       | 33.5 | 88.5  | 20 | 0.6                      |
| M12  | 27.5       | 33.5 | 88.5  | 20 | 1                        |
| M14  | 37.5       | 49   | 123.5 | 38 | 1.3                      |
| M16  | 37.5       | 49   | 123.5 | 38 | 1.6                      |
| M18  | 37.5       | 49   | 123.5 | 38 | 2                        |
| M20  | 37.5       | 49   | 123.5 | 38 | 2.5                      |
| M24  | 55.5       | 73   | 176.5 | 50 | 4                        |
| M30  | 55.5       | 73   | 176.5 | 50 | 6.3                      |

| ÖLÇÜ | ÇALIŞMA YÜKÜ / TON | EMNİYET KATSAYISI | EURO / ADET |
|------|--------------------|-------------------|-------------|
| M08  | 0.3                | 5:1               | 20,00       |
| M10  | 0.6                | 5:1               | 22,00       |
| M12  | 1                  | 5:1               | 24,00       |
| M14  | 1.3                | 5:1               | 27,00       |
| M16  | 1.6                | 5:1               | 28,00       |
| M18  | 2                  | 5:1               | 30,00       |
| M20  | 2.5                | 5:1               | 32,00       |
| M24  | 4                  | 5:1               | 51,00       |
| M30  | 6.3                | 5:1               | 60,00       |

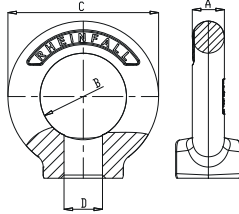


ADS® AK-450 Heavy Duty Swivel Eyebolt  
Generally to EN-1677

- Tightening by Allen key
- Permits the hook to move parallel to the supporting face of the ring being drawn at 90°
- From M 08 to M48 as standard; for loads from 0.3 t to 15 t

| Size | Dimensions |    |     |    |    | Working Load Limit / Ton |
|------|------------|----|-----|----|----|--------------------------|
|      | A          | B  | C   | H  | D  |                          |
| M8   | 33         | 27 | 73  | 20 | 13 | 0.3                      |
| M10  | 33         | 27 | 73  | 20 | 13 | 0.6                      |
| M12  | 48         | 40 | 105 | 27 | 20 | 1                        |
| M16  | 48         | 40 | 105 | 27 | 20 | 1.6                      |
| M20  | 48         | 40 | 105 | 27 | 20 | 2.5                      |
| M24  | 72         | 60 | 145 | 31 | 30 | 4                        |
| M30  | 72         | 60 | 155 | 39 | 30 | 6.3                      |
| M36  | 103        | 86 | 215 | 45 | 44 | 10                       |
| M42  | 103        | 86 | 225 | 55 | 44 | 12.5                     |
| M48  | 103        | 86 | 235 | 65 | 44 | 15                       |

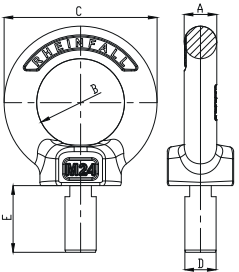
| ÖLÇÜ | ÇALIŞMA YÜKÜ / TON | EMNİYET KATSAYISI | EURO / ADET |
|------|--------------------|-------------------|-------------|
| M08  | 0.3                | 5:1               | 17,00       |
| M10  | 0.6                | 5:1               | 19,00       |
| M12  | 1                  | 5:1               | 21,00       |
| M16  | 1.6                | 5:1               | 27,00       |
| M20  | 2.5                | 5:1               | 28,00       |
| M24  | 4                  | 5:1               | 65,00       |
| M30  | 6.3                | 5:1               | 69,00       |
| M36  | 10                 | 5:1               | 150,00      |
| M42  | 12.5               | 5:1               | 160,00      |
| M48  | 15                 | 4:1               | 180,00      |



ADS® AK-582 S Eye Nut

- Material : Carbon steel, C15
- Safety factor : MBL equals 4 x WLL
- Standard : Generally to DIN 582
- Finish : Electro-galvanized
- Certification : 2.1-2.2-CE

| Size | Dimensions |     |     |          | Working Load Limit / Ton |
|------|------------|-----|-----|----------|--------------------------|
|      | A          | B   | C   | D        |                          |
| M8   | 8          | 22  | 38  | M8X1.25  | 0.14                     |
| M10  | 8          | 22  | 38  | M10X1.50 | 0.23                     |
| M12  | 10         | 26  | 46  | M12X1.75 | 0.40                     |
| M16  | 14         | 35  | 63  | M16X2.00 | 0.70                     |
| M20  | 16         | 39  | 71  | M20X2.50 | 1.20                     |
| M24  | 20         | 54  | 94  | M24X3.00 | 1.80                     |
| M30  | 24         | 59  | 107 | M30X3.50 | 2.50                     |
| M36  | 28         | 67  | 122 | M36X4.00 | 4.00                     |
| M42  | 34         | 80  | 148 | M42X4.50 | 6.30                     |
| M48  | 39         | 95  | 170 | M48X5.00 | 8.00                     |
| M56  | 45         | 112 | 200 | M56X5.50 | 10.0                     |
| M64  | 54         | 125 | 222 | M64X6.00 | 16.0                     |



ADS® AK-580 C Eye bolt

- Material : Carbon steel, C15
- Safety facto : MBL equals 4 x WLL
- Standard : Generally to DIN 580
- Finish : Electro-galvanized
- Certification : 2.1-2.2-CE

| Size | Dimensions |     |     |          |    | Working Load Limit / Ton |
|------|------------|-----|-----|----------|----|--------------------------|
|      | A          | B   | C   | D        | E  |                          |
| M8   | 8          | 22  | 38  | M8X1.25  | 12 | 0.14                     |
| M10  | 8          | 22  | 38  | M10X1.50 | 15 | 0.23                     |
| M12  | 10         | 26  | 46  | M12X1.75 | 18 | 0.40                     |
| M16  | 14         | 35  | 63  | M16X2.00 | 24 | 0.70                     |
| M20  | 16         | 39  | 71  | M20X2.50 | 30 | 1.20                     |
| M24  | 20         | 54  | 94  | M24X3.00 | 36 | 1.80                     |
| M30  | 24         | 59  | 107 | M30X3.50 | 45 | 2.50                     |
| M36  | 28         | 67  | 122 | M36X4.00 | 50 | 4.00                     |
| M42  | 34         | 80  | 148 | M42X4.50 | 57 | 6.30                     |
| M48  | 39         | 95  | 170 | M48X5.00 | 64 | 8.00                     |
| M56  | 45         | 112 | 200 | M56X5.50 | 76 | 10.0                     |
| M64  | 54         | 125 | 222 | M64X6.00 | 86 | 16.0                     |

| KOD | EURO / ADET |  |  |
|-----|-------------|--|--|
| M08 | 1,60        |  |  |
| M10 | 1,70        |  |  |
| M12 | 1,95        |  |  |
| M16 | 3,05        |  |  |
| M20 | 4,40        |  |  |
| M24 | 8,90        |  |  |
| M30 | 18,50       |  |  |
| M36 | 29,50       |  |  |
| M42 | 45,00       |  |  |
| M48 | 70,60       |  |  |
| M56 | 134,00      |  |  |
| M64 | 164,50      |  |  |



EYENUT  
AK-582 S



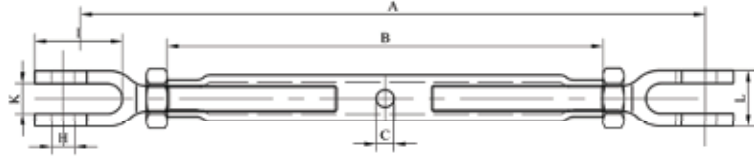
EYEBOLT  
AK-580 C



ADS \* AK-228 Turnbuckles Jaw - Jaw with cotter pin

- Material : Drop forged high tensile steel
- Safety factor : MBL equals 4 x WLL
- Standard : Generally to ASTM F1145-92 formerly U.S. Federal Specification FF-T-791b
- Finish : Hot dipped galvanized
- Certification : 2.1-2.2-3.1

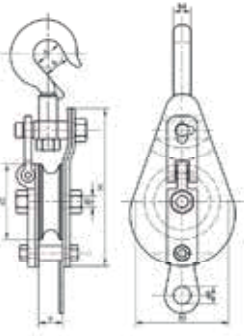
| SWL TON | Ømm X P | A<br>OPEN | A<br>CLOSE | B   | C    | H  | I   | K  | L   |
|---------|---------|-----------|------------|-----|------|----|-----|----|-----|
| 3       | 20x2.5  | 720       | 520        | 300 | 18.5 | 20 | 87  | 27 | 65  |
| 5       | 27x3    | 885       | 610        | 340 | 20   | 25 | 100 | 30 | 75  |
| 8       | 33x3.5  | 970       | 720        | 380 | 21   | 30 | 135 | 45 | 100 |
| 12      | 36x4    | 1110      | 800        | 415 | 23   | 41 | 165 | 64 | 115 |
| 16      | 42x4.5  | 1260      | 960        | 550 | 24   | 45 | 165 | 64 | 115 |
| 20      | 48x5    | 1580      | 1220       | 640 | 25   | 50 | 235 | 73 | 160 |
| 25      | 52x5    | 1620      | 1260       | 680 | 27   | 58 | 235 | 73 | 160 |
| 35      | 56x5.5  | 1840      | 1480       | 900 | 35   | 70 | 235 | 73 | 160 |



| KOD    | WLL / TON | EURO / ADET |
|--------|-----------|-------------|
| 20x2.5 | 3         | 58,00       |
| 27x3   | 5         | 98,00       |
| 33x3.5 | 8         | 176,00      |
| 36x4   | 12        | 292,00      |
| 42x4.5 | 16        | 320,00      |
| 48x5   | 20        | 770,00      |
| 50x5   | 25        | 800,00      |
| 56x5   | 35        | 864,00      |

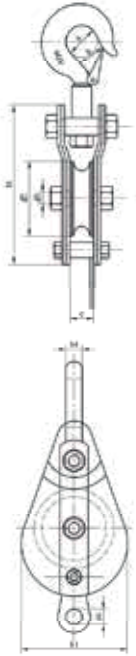
ADS ® AK-700 Snatch blocks with ADS® Hook

- Material : Carbon steel,
- Safety factor : MBL equals 4 x WLL
- Finish : painted
- Certification : 2.1-2.2-CE



| Size | Working Load | Dimensions |    |     |    |     |    |    |     |
|------|--------------|------------|----|-----|----|-----|----|----|-----|
| D2   | Limit / Ton  | a          | b  | b1  | b4 | d2  | d3 | d4 | H   |
| 100  | 1            | 39         | 27 | 120 | 20 | 100 | 20 | 18 | 220 |
| 125  | 2            | 42         | 31 | 145 | 20 | 120 | 24 | 18 | 250 |
| 150  | 3            | 51         | 39 | 168 | 24 | 140 | 30 | 18 | 275 |
| 200  | 6            | 64         | 46 | 230 | 28 | 200 | 34 | 24 | 330 |
| 250  | 10           | 64         | 46 | 290 | 32 | 250 | 36 | 24 | 385 |
| 300  | 15           | 83         | 67 | 330 | 42 | 300 | 42 | 24 | 460 |
| 350  | 20           | 105        | 90 | 380 | 42 | 350 | 48 | 25 | 550 |

| KOD   | WLL/TON | EURO / ADET |
|-------|---------|-------------|
| 100/1 | 1       | 70,00       |
| 125/1 | 2       | 84,00       |
| 150/1 | 3       | 130,00      |
| 200/1 | 6       | 260,00      |
| 250/1 | 10      | 440,00      |
| 300/1 | 15      | 780,00      |
| 350/1 | 20      | 1.090,00    |

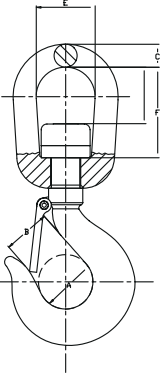


ADS® AK-800 Snatch blocks with ADS® Hook

- Material : Carbon steel,
- Safety factor : MBL equals 4 x WLL
- Finish : painted
- Certification : 2.1 -2.2 - CE

| Size  | Working Load Limit Ton | Dimensions |      |     |    |     |    |    |     |     |
|-------|------------------------|------------|------|-----|----|-----|----|----|-----|-----|
| D2    |                        | a          | b    | b1  | b4 | d2  | d3 | d4 | e   | H   |
| 100x1 | 1                      | 39         | 27.5 | 120 | 20 | 100 | 20 | 18 | 30  | 220 |
| 100x2 | 1                      | 39         | 27.5 | 120 | 20 | 100 | 20 | 18 | 65  | 245 |
| 100x3 | 1                      | 39         | 27.5 | 120 | 20 | 100 | 20 | 18 | 98  | 245 |
| 125x1 | 2                      | 42         | 31   | 145 | 20 | 120 | 24 | 24 | 30  | 250 |
| 125x2 | 2                      | 42         | 31   | 145 | 20 | 120 | 24 | 24 | 65  | 275 |
| 125x3 | 2                      | 42         | 31   | 145 | 20 | 120 | 24 | 24 | 98  | 275 |
| 150x1 | 3                      | 51         | 39   | 168 | 24 | 140 | 30 | 25 | 31  | 275 |
| 150x2 | 3                      | 51         | 39   | 168 | 24 | 140 | 30 | 25 | 67  | 295 |
| 150x3 | 3                      | 51         | 39   | 168 | 24 | 140 | 30 | 25 | 100 | 295 |
| 200x1 | 5                      | 76         | 60   | 230 | 28 | 190 | 36 | 25 | 38  | 330 |
| 200x2 | 5                      | 76         | 60   | 230 | 28 | 190 | 36 | 25 | 80  | 375 |
| 200x3 | 5                      | 76         | 60   | 230 | 28 | 190 | 36 | 25 | 120 | 375 |
| 300x1 | 8                      | 83         | 67   | 330 | 32 | 300 | 42 | 35 | 47  | 460 |
| 300x2 | 8                      | 83         | 67   | 330 | 32 | 300 | 42 | 35 | 100 | 500 |
| 300x3 | 8                      | 83         | 67   | 330 | 32 | 300 | 42 | 35 | 152 | 500 |
| 350x1 | 12                     | 105        | 90   | 380 | 42 | 350 | 48 | 40 | 54  | 550 |
| 350x2 | 12                     | 105        | 90   | 380 | 42 | 350 | 48 | 40 | 116 | 590 |
| 350x3 | 12                     | 105        | 90   | 380 | 42 | 350 | 48 | 40 | 178 | 590 |
| 410x1 | 15                     | 130        | 110  | 430 | 42 | 410 | 56 | 45 | 69  | 750 |
| 410x2 | 15                     | 130        | 110  | 430 | 42 | 410 | 56 | 45 | 136 | 790 |
| 410x3 | 15                     | 130        | 110  | 430 | 42 | 410 | 56 | 45 | 208 | 790 |

| KOD   | WLL / TON | ÇELİK ÖZLÜ | KENDİR ÖZLÜ | EURO / ADET |
|-------|-----------|------------|-------------|-------------|
| 100/1 | 1         | 10         | 20          | 52,00       |
| 100/2 | 1         | 10         | 20          | 70,00       |
| 100/3 | 1         | 10         | 20          | 85,00       |
| 125/1 | 2         | 14         | 20          | 70,00       |
| 125/2 | 2         | 14         | 20          | 90,00       |
| 125/3 | 2         | 14         | 20          | 120,00      |
| 150/1 | 3         | 16         | 20          | 112,00      |
| 150/2 | 3         | 16         | 20          | 140,00      |
| 150/3 | 3         | 16         | 20          | 200,00      |
| 200/1 | 5         | 20         | ---         | 200,00      |
| 200/2 | 5         | 20         | ---         | 280,00      |
| 200/3 | 5         | 20         | ---         | 360,00      |
| 300/1 | 8         | 24         | ---         | 700,00      |
| 300/2 | 8         | 24         | ---         | 1.040,00    |
| 300/3 | 8         | 24         | ---         | 1.500,00    |
| 350/1 | 12        | 26         | ---         | 980,00      |
| 350/2 | 12        | 26         | ---         | 1.300,00    |
| 350/3 | 12        | 26         | ---         | 1.880,00    |
| 410/1 | 15        | 28         | ---         | 1.700,00    |
| 410/2 | 15        | 28         | ---         | 2.400,00    |
| 410/3 | 15        | 28         | ---         | 3.100,00    |

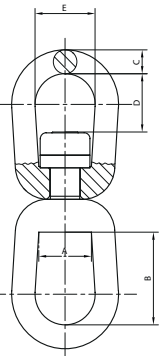


ADS ® AK-306 Swivels Eye – Hook

- Material : High tensile steel, quenched and tempered
- Safety factor : MBL equals 4 x WLL
- Standard : US Federal Spec. RR-C-271, Type VII, Class 2
- Finish : hot dipped galvanized
- Certification : 2.1 2.2

| Size<br>inch | Working Load<br>Limit / Ton | Dimensions |     |    |     |     |     |
|--------------|-----------------------------|------------|-----|----|-----|-----|-----|
|              |                             | A          | B   | C  | D   | E   | F   |
| 5/8          | 2.5                         | 38         | 32  | 17 | 44  | 39  | 63  |
| 3/4          | 3.2                         | 41         | 33  | 21 | 49  | 50  | 74  |
| 7/8          | 5.4                         | 50         | 37  | 23 | 53  | 64  | 81  |
| 1            | 8                           | 76         | 60  | 27 | 60  | 70  | 92  |
| 1 1/4        | 11.5                        | 82         | 65  | 35 | 75  | 79  | 105 |
| 1 3/8        | 16                          | 105        | 90  | 39 | 78  | 97  | 120 |
| 1 5/8        | 22                          | 130        | 110 | 50 | 105 | 123 | 160 |

| KOD   | WLL/TON | EURO / ADET |
|-------|---------|-------------|
| 5/8   | 2.5     | 38,00       |
| 3/4   | 3.2     | 51,00       |
| 7/8   | 5.4     | 71,00       |
| 1     | 8       | 138,50      |
| 1 1/4 | 11.5    | 220,00      |
| 1 3/8 | 16      | 382,00      |



ADS ® AK-304 Swivels Eye – Eye

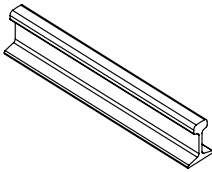
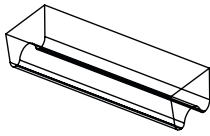
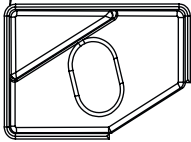
- Material : High tensile steel, quenched and tempered
- Safety factor : MBL equals 4 x WLL
- Standard : US Federal Spec. RR-C-271, Type VII, Class 2
- Finish : Hot dipped galvanized
- Certification : 2.1-2.2

| Size<br>inch | Working Load<br>Limit / Ton | Dimensions |     |    |     |     |
|--------------|-----------------------------|------------|-----|----|-----|-----|
|              |                             | A          | B   | C  | D   | E   |
| 5/8          | 2.5                         | 36         | 63  | 17 | 44  | 39  |
| 3/4          | 3.2                         | 46         | 74  | 21 | 49  | 50  |
| 7/8          | 5.4                         | 57         | 81  | 23 | 53  | 64  |
| 1            | 8                           | 58         | 92  | 27 | 60  | 70  |
| 1 1/4        | 11.5                        | 73         | 105 | 35 | 73  | 79  |
| 1 3/8        | 16                          | 88         | 120 | 39 | 78  | 97  |
| 1 5/8        | 22                          | 108        | 160 | 50 | 105 | 123 |

| KOD   | WLL/TON | EURO / ADET |
|-------|---------|-------------|
| 5/8   | 2.5     | 32,00       |
| 3/4   | 3.2     | 43,50       |
| 7/8   | 5.4     | 59,00       |
| 1     | 8       | 86,00       |
| 1 1/4 | 11.5    | 153,00      |
| 1 3/8 | 16      | 246,00      |
| 1 5/8 | 22      | 536,00      |



Welding Point  
Welding Bend  $\Delta$  4mm



Rail Clip Information

| Product Code | C Max | Torque Tightening | Side load | Weight  | Material              |
|--------------|-------|-------------------|-----------|---------|-----------------------|
| CRAPEX 400   | 33 mm | 200 Nm            | 75 kN     | 0,65 kg | DIN 17100<br>S 355 J2 |

| KOD | EURO / ADET |
|-----|-------------|
| 400 | 7,10        |

Welding Information:

DIN 17100 - Wst Nr: 1.0562 :S 355 J2

NFA 35-501: E36-3

BS 4360 : 50 C

EURO NORM 10025 : S355 JO

Electrode Information:

DIN 1931 : E51 55B 10 110

AFNOR 81-309 : E51 5/5B 110 26 BH

ISO 2560 : E51 5B 110 26

ASME IIC SFA 5.1 : E 7018-1

Rubber Informations

|                       |                        |
|-----------------------|------------------------|
| Hardness              | 75° +/- 5°             |
| Tensile Strenght      | 12,5 N/mm <sup>2</sup> |
| Extention             | 90%                    |
| Operation Temperature | -30° - 130° C          |
| Vibration Reduction   | 45% - 50%              |
| Volume Reduction      | 8% - 10%               |

| Rail Type      | A    | B     | E     | Weight kg/m | with pad | without pad |
|----------------|------|-------|-------|-------------|----------|-------------|
| A45            | 45   | 55    | 125   | 22,1        | 105      | 105 P       |
| A55            | 55   | 65    | 150   | 31,8        | 105      | 105 P       |
| A65            | 65   | 75    | 175   | 43,1        | 105      | 105 P       |
| CR 104         | 63,5 | 127   | 127   | 51,59       | 105      | 105 P       |
| CR 105         | 65,1 | 131,8 | 131,8 | 52,09       | 105      | 105 P       |
| CR 135         | 76,2 | 146   | 131,8 | 66,97       | 105      | 105 P       |
| S 24           | 53   | 115   | 90    | 24,43       | 105      | 105 P       |
| 25 kg/m        | 50   | 115   | 90    | 25          | 105      | 105 P       |
| S 26 (AFNOR)   | 50   | 110   | 10    | 26,27       | 105      | 105 P       |
| 27 E1 (27 UNI) | 50   | 120   | 95    | 27,06       | 105      | 105 P       |
| AFNOR 30       | 56   | 125,5 | 106   | 29,98       | 105      | 105 P       |
| 30 E1 (S 30)   | 60,3 | 108   | 108   | 30,13       | 105      | 105 P       |
| 33 E1 (S 33)   | 58   | 134   | 105   | 33,47       | 105      | 105 P       |
| 36 E1 (36 UNI) | 60   | 130   | 100   | 36,26       | 105      | 105 P       |
| 40 E1 (S 41-R) | 67   | 138   | 125   | 40,95       | 105      | 105 P       |
| 46 E4          | 65   | 145   | 135   | 46,9        | 105      | 105 P       |
| 49 E1          | 67   | 148   | 125   | 49,39       | 105      | 105 P       |
| 54 E1          | 70   | 159   | 140   | 57,77       | 105      | 105 P       |
| 60 E1          | 72   | 172   | 150   | 60,21       | 105      | 105 P       |

## Rail Clip Information

| Product Code | C Max | Torque Tightening | Side load | Weight  | Material              |
|--------------|-------|-------------------|-----------|---------|-----------------------|
| CRAPEX 600   | 33 mm | 250 Nm            | 125 kN    | 0,85 kg | DIN 17100<br>S 355 J2 |

**KOD EURO / ADET**

600 11,40

## Welding Information:

DIN 17100 - Wst Nr: 1.0562 :S 355 J2

NFA 35-501: E36-3

BS 4360 : 50 C

EURO NORM 10025 : S355 JO

## Electrode Information:

DIN 1931 : E51 55B 10 110

AFNOR 81-309 : E51 5/5B 110 26 BH

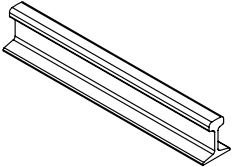
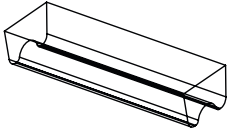
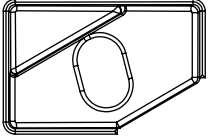
ISO 2560 : E51 5B 110 26

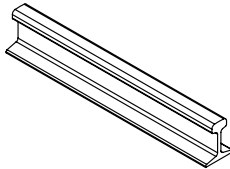
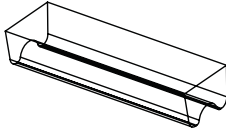
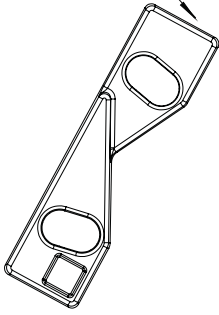
ASME IIC SFA 5.1 : E 7018-1

**Rubber Informations**

|                       |                        |
|-----------------------|------------------------|
| Hardness              | 75° +/- 5°             |
| Tensile Strenght      | 12,5 N/mm <sup>2</sup> |
| Extention             | 90%                    |
| Operation Temperature | -30° - 130° C          |
| Vibration Reduction   | 45% - 50%              |
| Volume Reduction      | 8% - 10%               |

| Rail Type | A     | B     | E     | Weight kg/m | with pad | without pad |
|-----------|-------|-------|-------|-------------|----------|-------------|
| A 75      | 75    | 85    | 200   | 56,2        | 107      | 107 P       |
| A 100     | 100   | 95    | 200   | 74,3        | 107      | 107 P       |
| A 120     | 120   | 105   | 220   | 100         | 107      | 107 P       |
| A 150     | 150   | 150   | 220   | 150,3       | 107      | 107 P       |
| CR 105    | 65,1  | 131,8 | 131,8 | 52,09       | 107      | 107 P       |
| CR 135    | 76,2  | 146   | 131,8 | 66,97       | 107      | 107 P       |
| CR 171    | 101,6 | 152,4 | 152,4 | 84,83       | 107      | 107 P       |
| MRS 87 A  | 101,6 | 152,4 | 152,4 | 86,8        | 107      | 107 P       |
| CR 175    | 102,4 | 152,4 | 152,4 | 86,8        | 107      | 107 P       |
| MRS 125   | 120   | 180   | 180   | 125         | 107      | 107 P       |
| 49 E1     | 67    | 149   | 125   | 49,39       | 107      | 107 P       |
| 50 ES     | 67    | 148   | 135   | 49,9        | 107      | 107 P       |
| 54 E1     | 70    | 159   | 140   | 54,77       | 107      | 107 P       |
| 60 E1     | 75    | 172   | 150   | 60,21       | 107      | 107 P       |


 Welding Point  
 Welding Bend ▽ 4mm



 Welding Point  
 Welding Bend  $\Delta$  4mm


## Rail Clip Information

| Product Code | C Max | Torque Tightening | Side load | Weight  | Material              |
|--------------|-------|-------------------|-----------|---------|-----------------------|
| CRAPEX 800   | 33 mm | 155 Nm            | 125 kN    | 1,45 kg | DIN 17100<br>S 355 J2 |

## Welding Information:

DIN 17100 - Wst Nr: 1.0562 :S 355 J2

NFA 35-501: E36-3

BS 4360 : 50 C

EURO NORM 10025 : S355 JO

## Electrode Information:

DIN 1931 : E51 55B 10 110

AFNOR 81-309 : E51 5/5B 110 26 BH

ISO 2560 : E51 5B 110 26

ASME IIC SFA 5.1 : E 7018-1

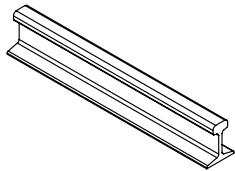
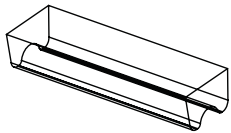
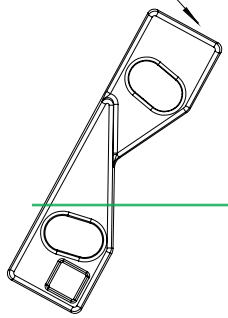
## Rubber Informations

|                       |                        |
|-----------------------|------------------------|
| Hardness              | 75° +/- 5°             |
| Tensile Strenght      | 12,5 N/mm <sup>2</sup> |
| Extention             | 90%                    |
| Operation Temperature | -30° - 130° C          |
| Vibration Reduction   | 45% - 50%              |
| Volume Reduction      | 8% - 10%               |

| Rail Type | A    | B     | E     | Weight kg/m |
|-----------|------|-------|-------|-------------|
| A 45      | 45   | 125   | 125   | 22,1        |
| A 55      | 55   | 150   | 150   | 31,8        |
| A 65      | 65   | 175   | 175   | 43,1        |
| A 75      | 75   | 200   | 200   | 56,2        |
| A 100     | 100  | 200   | 200   | 74,3        |
| A 120     | 120  | 220   | 220   | 100         |
| CR 104    | 63,5 | 127   | 127   | 51,59       |
| CR 105    | 65,1 | 131,8 | 131,8 | 52,09       |
| CR 135    | 76,2 | 131,8 | 131,8 | 66,97       |
| S 24      | 53   | 90    | 90    | 24,43       |
| 25 kg / m | 50   | 90    | 90    | 25          |
| AFNOR 30  | 56   | 106   | 106   | 29,98       |
| 30 E1     | 60,3 | 108   | 108   | 30,13       |
| 33 E1     | 58   | 105   | 105   | 33,147      |
| 36 E1     | 60   | 100   | 100   | 36,26       |
| 40 E1     | 67   | 125   | 125   | 40,95       |
| 46 E4     | 65   | 135   | 135   | 46,9        |
| 49 E1     | 67   | 125   | 125   | 49,39       |
| 50 ES     | 67   | 135   | 135   | 49,9        |
| 54 E1     | 70   | 140   | 140   | 54,77       |

## Rail Clip Information

| Product Code | C Max | Torque Tightening | Side load | Weight  | Material           |
|--------------|-------|-------------------|-----------|---------|--------------------|
| CRAPEX 1000  | 33 mm | 250 Nm            | 200 kN    | 1,50 kg | DIN 17100 S 355 J2 |


 Welding Point  
 Welding Bend  $\Delta 4\text{mm}$ 


## Welding Information:

 DIN 17100 - Wst Nr: 1.0562 :S 355 J2  
 NFA 35-501: E36-3  
 BS 4360 : 50 C  
 EURO NORM 10025 : S355 JO

## Electrode Information:

 DIN 1931 : E51 55B 10 110  
 AFNOR 81-309 : E51 5/5B 110 26 BH  
 ISO 2560 : E51 5B 110 26  
 ASME IIC SFA 5.1 : E 7018-1

## Rubber Informations

|                       |               |
|-----------------------|---------------|
| Hardness              | 75° +/- 5°    |
| Tensile Strenght      | 12,5 N/mm²    |
| Extention             | 90%           |
| Operation Temperature | -30° - 130° C |
| Vibration Reduction   | 45% - 50%     |
| Volume Reduction      | 8% - 10%      |

| Rail Type | A     | B     | E     | Weight kg/m |
|-----------|-------|-------|-------|-------------|
| A 75      | 75    | 58    | 200   | 56,2        |
| A 100     | 100   | 95    | 200   | 74,3        |
| A 120     | 120   | 105   | 220   | 100         |
| A 150     | 150   | 150   | 220   | 150,3       |
| CR 104    | 63,5  | 127   | 127   | 51,59       |
| CR 105    | 65,1  | 131,8 | 131,8 | 52,09       |
| CR 135    | 76,2  | 146   | 131,8 | 66,97       |
| CR 171    | 101,6 | 152,4 | 152,4 | 84,83       |
| MRS 87 A  | 101,6 | 152,4 | 152,4 | 86,8        |
| CR 175    | 102,4 | 152,4 | 152,4 | 86,8        |
| MRS 125   | 120   | 180   | 180   | 125         |
| 49 E1     | 67    | 149   | 125   | 49,39       |
| 50 ES     | 67    | 148   | 135   | 49,9        |
| 54 E1     | 70    | 159   | 140   | 54,77       |
| 60 E1     | 72    | 172   | 150   | 60,21       |

**BETA**  
ZİNCİR VE HALAT AKSESUARLARI

**BETA FORGE ZİNCİR ve HALAT AKSESUARLARI SAN. TİC. LTD. ŞTİ.**

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info@betadovme.com.tr - www.betadovme.com.tr