

# Alloy Master Links

Load Rated

Fatigue Rated



MAXTOUGH

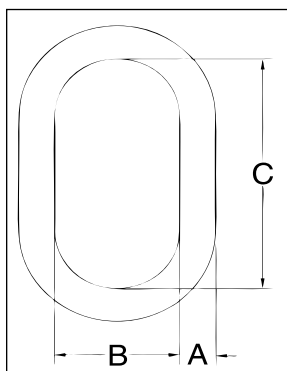


A-342



- Alloy Steel — Quenched and Tempered.
- Individually Proof Tested to values shown, with certification.
- Proof Tested with 60% inside width special fixtures sized to prevent localized point loading per ASME A-952, reference page 269.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these links meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- Forgings have a Product Identification Code (PIC) for material traceability, along with the size, the name Crosby and USA in raised lettering.
- Selected sizes designated with "W" in the size column have enlarged inside dimensions to allow additional room for sling hardware and crane hook.
- Crosby 32mm to 51mm 342/345 master links are type approved to DNV Certification Notes 2.7-1- Offshore Containers. These Crosby master links are 100% proof tested, MPI and impact tested. The tests are conducted by Crosby and 3.1 test certification is available upon request. Refer to page 161 for Crosby COLD TUFF® master links that meet the additional requirements of DNV rules for certification of lifting applications - Loose Gear.
- Incorporates patented QUIC-CHECK® deformation indicators.

## A-342 Alloy Master Links



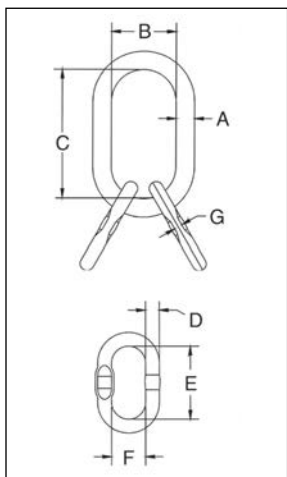
| Size   |          | A-342 Stock No. | Weight Each (kg) | WLL S.F.= 5/1 for Rope (t)* | Proof Load (kN)** | Dimensions (mm) |      |     |                       |
|--------|----------|-----------------|------------------|-----------------------------|-------------------|-----------------|------|-----|-----------------------|
| (mm)   | (in.)    |                 |                  |                             |                   | A               | B    | C   | Deformation Indicator |
| 13W    | 1/2W     | 1014266         | 0.59             | 3.40                        | 77                | 13              | 71.1 | 127 | 89                    |
| 16     | 5/8      | 1014280         | 0.69             | 4.00                        | 80                | 16              | 76.2 | 152 | 89                    |
| 19W    | 3/4W     | 1014285         | 0.91             | 5.60                        | 126               | 19              | 81.3 | 152 | 102                   |
| 22W    | 7/8W     | 1014319         | 1.50             | 6.90                        | 157               | 22              | 95.3 | 162 | 114                   |
| 26W    | 1W       | 1014331         | 2.77             | 11.8                        | 267               | 26              | 109  | 191 | 140                   |
| 32W    | 1-1/4W   | 1014348         | 5.44             | 17.7                        | 402               | 32              | 140  | 241 | 178                   |
| 38W    | 1-1/2W   | 1014365         | 8.44             | 27.7                        | 628               | 38              | 150  | 267 | 191                   |
| 44     | 1-3/4    | 1014388         | 11.4             | 38.5                        | 944               | 44              | 152  | 305 | 191                   |
| 51     | 2        | 1014404         | 16.8             | 46.5                        | 1141              | 51              | 178  | 356 | 229                   |
| 57     | 2-1/4    | 1014422         | 24.5             | 64.9                        | 1287              | 57              | 203  | 406 | 254                   |
| 63     | 2-1/2    | 1014468         | 31.1             | 72.6                        | 1423              | 63              | 213  | 406 | 279                   |
| 70     | 2-3/4    | 1014440         | 42.6             | 98.4                        | 1930              | 70              | 251  | 457 | 318                   |
| 76     | 3        | 1014486         | 52.0             | 103                         | 2029              | 76              | 251  | 457 | 330                   |
| 83     | 3-1/4    | 1014501         | 66.0             | 119                         | 2332              | 83              | 254  | 508 | 343                   |
| 89     | 3-1/2    | 1014529         | 91.0             | 126                         | 2483              | 89              | 305  | 610 | 394                   |
| 95     | 3-3/4    | 1015051         | 90.0             | 152                         | 2990              | 95              | 254  | 508 | 343                   |
| 102    | 4        | 1015060         | 120              | 169                         | 3319              | 102             | 305  | 610 | 406                   |
| †† 108 | †† 4-1/4 | 1015067         | 137              | 160                         | 3150              | 108             | 305  | 610 | -                     |
| †† 114 | †† 4-1/2 | 1015079         | 156              | 163                         | 3202              | 114             | 356  | 711 | -                     |
| †† 121 | †† 4-3/4 | 1015088         | 198              | 176                         | 3460              | 121             | 356  | 711 | -                     |
| †† 127 | †† 5     | 1015094         | 234              | 179                         | 3515              | 127             | 381  | 762 | -                     |

\*Ultimate Load is 5 times the Working Load Limit. Based on single leg sling (in-line load), or resultant load on multiple legs with an included angle less than or equal to 120 degrees. Applications with wire rope and synthetic sling generally require a design factor of 5. \*\* Proof Test Load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9. †† Welded Master Link. For use with chain slings, refer to page 237 for sling ratings and page 234 for proper master link selection.

A-345



## A-345 Master Link Assembly with Engineered Flat for use with S-1325A coupler link.



| Size |        | A-345 Stock No. | Weight Each (kg) | Working Load Limit Based on 5:1 Design Factor (t) | Proof Load (kN)** | Dimensions (mm) |      |     |      |      |      |      |                       |
|------|--------|-----------------|------------------|---|-------------------|-----------------|------|-----|------|------|------|------|-----------------------|
| (mm) | (in.)  |                 |                  |   |                   | A               | B    | C   | D    | E    | F    | G    | Deformation Indicator |
| 19W  | 3/4W   | 1014739         | 1.59             | 5.6   | 126               | 19              | 81.3 | 152 | 14.2 | 85.1 | 45.0 | 7.62 | 102                   |
| 22W  | 7/8W   | 1014742         | 2.18             | 6.9   | 157               | 22              | 95.3 | 162 | 14.2 | 85.1 | 45.0 | 7.62 | 114                   |
| 26W  | 1W     | 1014766         | 4.22             | 11.8  | 267               | 26              | 109  | 191 | 19.1 | 100  | 59.9 | 8.38 | 140                   |
| 32W  | 1-1/4W | 1014779         | 7.17             | 17.7  | 402               | 32              | 140  | 241 | 25.4 | 160  | 89.9 | 13.0 | 178                   |
| 38W  | 1-1/2W | 1014807         | 15.47            | 27.7  | 628               | 38              | 150  | 267 | 31.8 | 180  | 100  | 16.5 | 191                   |
| 44   | 1-3/4  | 1014814         | 20.9             | 38.5  | 944               | 44              | 152  | 305 | 35.1 | 203  | 127  | 18.5 | 191                   |
| 51   | 2      | 1014832         | 30.4             | 46.5  | 1141              | 51              | 178  | 356 | 38.1 | 229  | 146  | -    | 229                   |
| 64   | 2-1/2  | 1014855         | 93.4             | 72.6  | 1423              | 64              | 213  | 406 | 63.5 | 406  | 213  | -    | 279                   |
| 70   | 2-3/4  | 1014864         | 128              | 98.4  | 1929              | 70              | 251  | 457 | 69.9 | 457  | 251  | -    | 318                   |
| 102  | 4      | 1014999         | 303              | 169   | 3319              | 102             | 305  | 610 | 89.0 | 610  | 305  | -    | 394***                |

\*Ultimate Load is 5 times the Working Load Limit. The maximum individual sublink working load limit is 75% of the assembly working load limit except for 2-1/2" and 2-3/4", which are 100% of assembly working load limit. Applications with wire rope and synthetic sling generally require a design factor of 5. \*\* Proof Test Load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9.

For use with chain slings, refer to page 237 for sling ratings and page 234 for proper master link selection.