



**Boulons HDG**  
**HDG bolts**



**ENDUIT GALVANISÉ BRILLANT GALVA+BR PROTEK®**

L'enduit galvanisé brillant GALVA+BR est un revêtement de zinc renforcé au zinc brillant qui prévient la rouille et offre une excellente protection à l'extérieur. C'est le produit idéal pour la restauration esthétique du métal galvanisé, des clôtures et des barrières de sécurité routière. Sèche rapidement!

Usages suggérés: Carrosseries de véhicules, Équipement de construction, Agriculture, Exploitation minière, Tuyaux et réservoirs, Ponts, Navires et équipements marins.

**BRIGHT GALVANIZED COATING GALVA+BR PROTEK®**

This Bright Galvanized Coating GALVA+BR is an enhanced zinc coating that prevents rust and provides excellent outdoor protection. This is the product of choice for the cosmetic restoration of galvanized metal, chain link fences, and guard rails.

Suggested Uses: All vehicle bodies, Agricultural, mining & construction equipment, Piping, storage tanks, Bridges, Ships & marine equipment.

**No. 539      340gr      Aérosol-Spray      6 / caisse**



**COMPOSÉ DE GALVANISATION À FROID ZINC93 PROTEK®**

Le Zinc93 est un revêtement de zinc brillant qui empêche la rouille et fournit une excellente protection dans les conditions extérieure. Le Zinc93 est le produit de choix pour la restauration esthétique du métal galvanisé, grillages et des glissières de sécurité. Sèche rapidement et empêche la rouille, et a une excellente durabilité dans les conditions extérieur.

Utilisé sur: Les carrosseries de véhicules et d'agriculture, équipement minier et de la construction, la tuyauterie, réservoirs de stockage, les ponts, les navires et les équipements marins.

**PROTEK® COLD GALVANIZED COATING ZINC93**









The Zinc93 cold galvanized coating prevents rust and provides excellent outdoor protection. The product of choice for the cosmetic restoration of galvanized metal, chain link fences, and guard rails. Dries fast, prevents rust, and has excellent outdoor durability.

Use on all vehicle bodies, agricultural, mining and construction equipment piping, storage tanks, bridges, ships and marine equipment.

**No. 540      426gr      Aérosol-Spray      6 / caisse**



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## BOULONS À TÊTE HEXAGONALE HEXAGON HEAD CAP SCREWS

FILET GROS / COARSE THREAD U.N.C. (U.S.S.)  
ACIER CARBON / LOW CARBON STEEL

**A307 - HDG = HOT DEEP GALVANISE**

**GRADE 2**  
**UNC**



| # HDG      | DIMENSION       | BTE BOX | VRAC BULK |
|------------|-----------------|---------|-----------|
| 300-103HDG | 1/4-20 x 3/4    | 100     | 2700      |
| 300-105HDG | 1/4-20 x 1      | 100     | 2200      |
| 300-108HDG | 1/4-20 x 1-1/4  | 100     | 1900      |
| 300-109HDG | 1/4-20 x 1-1/2  | 100     | 1600      |
| 300-111HDG | 1/4-20 x 1-3/4  | 100     | 1400      |
| 300-112HDG | 1/4-20 x 2      | 100     | 1200      |
| 300-114HDG | 1/4-20 x 2-1/2  | 50      | 900       |
| 300-117HDG | 1/4-20 x 3      | 50      | 750       |
| 300-120HDG | 1/4-20 x 3-1/2  | 50      | 550       |
| 300-122HDG | 1/4-20 x 4      | 25      | 450       |
| 300-123HDG | 1/4-20 x 4-1/2  | 25      | 450       |
| 300-125HDG | 1/4-20 x 5      | 25      | 400       |
| 300-129HDG | 1/4-20 x 6      | 25      | 350       |
| 300-146HDG | 5/16-18 x 1     | 100     | 1400      |
| 300-147HDG | 5/16-18 x 1-1/4 | 100     | 1100      |
| 300-148HDG | 5/16-18 x 1-1/2 | 100     | 1000      |
| 300-149HDG | 5/16-18 x 1-3/4 | 100     | 850       |
| 300-150HDG | 5/16-18 x 2     | 100     | 800       |
| 300-153HDG | 5/16-18 x 2-1/2 | 50      | 600       |
| 300-158HDG | 5/16-18 x 3     | 50      | 500       |
| 300-161HDG | 5/16-18 x 3-1/2 | 50      | 450       |
| 300-165HDG | 5/16-18 x 4     | 25      | 400       |
| 300-166HDG | 5/16-18 x 4-1/2 | 25      | 300       |
| 300-169HDG | 5/16-18 x 5     | 25      | 250       |
| 300-171HDG | 5/16-18 x 5-1/2 | 25      | 250       |
| 300-173HDG | 5/16-18 x 6     | 25      | 250       |
| 300-194HDG | 3/8-16 x 3/4    | 100     | 1100      |
| 300-197HDG | 3/8-16 x 1      | 100     | 900       |

| # HDG      | DIMENSION      | BTE BOX | VRAC BULK |
|------------|----------------|---------|-----------|
| 300-199HDG | 3/8-16 x 1-1/4 | 100     | 800       |
| 300-201HDG | 3/8-16 x 1-1/2 | 100     | 675       |
| 300-203HDG | 3/8-16 x 1-3/4 | 100     | 600       |
| 300-204HDG | 3/8-16 x 2     | 100     | 550       |
| 300-205HDG | 3/8-16 x 2-1/4 | 100     | 450       |
| 300-207HDG | 3/8-16 x 2-1/2 | 100     | 400       |
| 300-213HDG | 3/8-16 x 3     | 50      | 325       |
| 300-217HDG | 3/8-16 x 3-1/2 | 50      | 300       |
| 300-222HDG | 3/8-16 x 4     | 50      | 250       |
| 300-224HDG | 3/8-16 x 4-1/2 | 25      | 225       |
| 300-225HDG | 3/8-16 x 5     | 25      | 225       |
| 300-231HDG | 3/8-16 x 6     | 25      | 175       |
| 300-232HDG | 3/8-16 x 6-1/2 | 10      | 175       |
| 300-234HDG | 3/8-16 x 7     | 10      | 150       |
| 300-237HDG | 3/8-16 x 8     | 10      | 150       |
| 300-306HDG | 1/2-13 x 1     | 50      | 400       |
| 300-309HDG | 1/2-13 x 1-1/4 | 50      | 375       |
| 300-311HDG | 1/2-13 x 1-1/2 | 50      | 300       |
| 300-315HDG | 1/2-13 x 1-3/4 | 50      | 275       |
| 300-316HDG | 1/2-13 x 2     | 50      | 250       |
| 300-319HDG | 1/2-13 x 2-1/4 | 50      | 225       |
| 300-322HDG | 1/2-13 x 2-1/2 | 50      | 225       |
| 300-323HDG | 1/2-13 x 2-3/4 | 50      | 200       |
| 300-324HDG | 1/2-13 x 3     | 50      | 200       |
| 300-326HDG | 1/2-13 x 3-1/4 | 25      | 175       |
| 300-327HDG | 1/2-13 x 3-1/2 | 25      | 150       |
| 300-330HDG | 1/2-13 x 4     | 25      | 150       |
| 300-331HDG | 1/2-13 x 4-1/2 | 25      | 125       |

Vrac: ajouter la quantité vrac à la fin du #/ Bulk: add bulk quantity at end of # (ex: 302-105P-2200) Autres dimensions disponibles sur demande / Other dimension available on request

**UNC**



| ÉCROUS HEXAGONE HDG<br>HDG HEXAGON NUTS |           |     | RONDELLES PLATES HDG<br>HDG FLAT WASHER |           |          | RONDELLES RESSORTS GR. 2<br>GR. 2 SPRING LOCK WASHERS |           |     |
|---|-----------|-----|---|-----------|----------|---|-----------|-----|
| NUMÉRO                                  | DIMENSION | BTE | NUMÉRO                                  | DIMENSION | QTE / LB | NUMÉRO  | DIMENSION | BTE |
| 319-155                                 | 1/4-20    | 100 | 319-159                                 | 1/4       | 157      | 342-114HDG  | 1/4       | 100 |
| 319-156                                 | 5/16-18   | 100 | 319-160                                 | 5/16      | 91       | 342-115HDG  | 5/16      | 100 |
| 319-157                                 | 3/8-16    | 100 | 319-161                                 | 3/8       | 65       | 342-116HDG  | 3/8       | 100 |
| 319-158                                 | 1/2-13    | 50  | 319-163                                 | 1/2       | 24       | 342-121HDG  | 1/2       | 50  |

## BOULONS À TÊTE HEXAGONALE HEXAGON HEAD CAP SCREWS

FILET GROS / COARSE THREAD U.N.C. (U.S.S.)  
ACIER CARBON / LOW CARBON STEEL

Galvanisé / Hot dipped galvanized

**GRADE 2**  
**UNC**



| # HDG      | DIMENSION      | BTE BOX | VRAC BULK |
|------------|----------------|---------|-----------|
| 300-332HDG | 1/2-13 x 5     | 25      | 125       |
| 300-333HDG | 1/2-13 x 5-1/2 | 25      | 100       |
| 300-335HDG | 1/2-13 x 6     | 25      | 100       |
| 300-336HDG | 1/2-13 x 6-1/2 | 5       | 100       |
| 300-337HDG | 1/2-13 x 7     | 5       | 90        |
| 300-340HDG | 1/2-13 x 8     | 5       | 80        |
| 300-342HDG | 1/2-13 x 9     | 1       | 75        |
| 300-345HDG | 1/2-13 x 10    | 1       | 65        |
| 300-347HDG | 1/2-13 x 12    | 1       | 55        |
| 300-350HDG | 1/2-13 x 14    | 1       | 50        |
| 300-391HDG | 5/8-11 x 1-1/4 | 25      | 225       |
| 300-393HDG | 5/8-11 x 1-1/2 | 25      | 200       |
| 300-394HDG | 5/8-11 x 1-3/4 | 25      | 175       |
| 300-395HDG | 5/8-11 x 2     | 25      | 175       |
| 300-397HDG | 5/8-11 x 2-1/4 | 25      | 150       |
| 300-398HDG | 5/8-11 x 2-1/2 | 25      | 125       |
| 300-399HDG | 5/8-11 x 2-3/4 | 25      | 125       |
| 300-400HDG | 5/8-11 x 3     | 25      | 100       |
| 300-402HDG | 5/8-11 x 3-1/4 | 25      | 100       |
| 300-404HDG | 5/8-11 x 3-1/2 | 25      | 100       |
| 300-406HDG | 5/8-11 x 4     | 25      | 90        |
| 300-407HDG | 5/8-11 x 4 1/2 | 25      | 80        |
| 300-408HDG | 5/8-11 x 5     | 25      | 75        |
| 300-409HDG | 5/8-11 x 5 1/2 | 10      | 70        |
| 300-410HDG | 5/8-11 x 6     | 10      | 65        |
| 300-411HDG | 5/8-11 x 6-1/2 | 10      | 60        |
| 300-412HDG | 5/8-11 x 7     | 10      | 55        |
| 300-413HDG | 5/8-11 x 7-1/2 | 10      | 55        |

| # HDG      | DIMENSION      | BTE BOX | VRAC BULK |
|------------|----------------|---------|-----------|
| 300-415HDG | 5/8-11 x 8     | 10      | 50        |
| 300-418HDG | 5/8-11 x 9     | 5       | 45        |
| 300-421HDG | 5/8-11 x 10    | 5       | 40        |
| 300-423HDG | 5/8-11 x 12    | 1       | 35        |
| 300-425HDG | 5/8-11 x 14    | 1       | 30        |
| 300-434HDG | 3/4-10 x 1 3/4 | 20      | 120       |
| 300-435HDG | 3/4-10 x 2     | 20      | 100       |
| 300-437HDG | 3/4-10 x 2 1/4 | 20      | 100       |
| 300-438HDG | 3/4-10 x 2 1/2 | 20      | 90        |
| 300-441HDG | 3/4-10 x 3     | 20      | 80        |
| 300-443HDG | 3/4-10 x 3 1/2 | 20      | 70        |
| 300-446HDG | 3/4-10 x 4     | 20      | 60        |
| 300-447HDG | 3/4-10 x 4 1/2 | 10      | 55        |
| 300-448HDG | 3/4-10 x 5     | 10      | 45        |
| 300-450HDG | 3/4-10 x 6     | 10      | 40        |
| 300-451HDG | 3/4-10 x 6-1/2 | 5       | 40        |
| 300-453HDG | 3/4-10 x 7     | 5       | 35        |
| 300-454HDG | 3/4-10 x 7-1/2 | 5       | 35        |
| 300-455HDG | 3/4-10 x 8     | 5       | 35        |
| 300-458HDG | 3/4-10 x 9     | 5       | 30        |
| 300-460HDG | 3/4-10 x 10    | 5       | 30        |
| 300-481HDG | 7/8-9 x 3 1/2  | 10      | 50        |
| 300-508HDG | 1 x 2-1/2      | 1       |           |
| 300-510HDG | 1 x 3          | 1       |           |
| 300-512HDG | 1 x 3-1/2      | 1       |           |
| 300-518HDG | 1 x 5          | 1       |           |
| 300-531HDG | 1 x 10         | 1       |           |

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Autres dimensions disponibles sur demande / Other dimension available on request

**UNC**



GR 2



GR 2



GR 2

| ÉCROUS HEXAGONE HDG<br>HDG HEXAGON NUTS |           |     | RONDELLES PLATES HDG<br>HDG FLAT WASHER |           |          | RONDELLES RESSORTS GR. 2<br>GR. 2 SPRING LOCK WASHERS |           |     |
|---|-----------|-----|---|-----------|----------|---|-----------|-----|
| NUMÉRO                                  | DIMENSION | BTE | NUMÉRO                                  | DIMENSION | QTE / LB | NUMÉRO  | DIMENSION | BTE |
| 319-158                                 | 1/2-13    | 50  | 319-163                                 | 1/2       | 24       | 342-121HDG  | 1/2       | 50  |
| 319-299                                 | 5/8-11    | 25  | 319-165                                 | 5/8       | 12       | 342-124HDG  | 5/8       | 50  |
| 319-300                                 | 3/4-10    | 20  | 319-166                                 | 3/4       | 10       | 342-128HDG  | 3/4       | 50  |
| 319-301                                 | 7/8-9     | 20  | 319-167                                 | 7/8       | 7        | 342-132HDG  | 7/8       | 25  |
| 319-303                                 | 1-8       | 20  | 319-168                                 | 1         | 5        | 342-133HDG  | 1         | 25  |

19-06-2024

### BOULONS DE CARROSSERIE CARRIAGE BOLTS

FILET GROS / COARSE THREAD U.N.C. (U.S.S.)

**GRADE 2**  
**UNC**



HDG = HOT DEEP GALVANISE

| # HDG       | DIMENSION       | BTE BOX | VRAC BULK |
|-------------|-----------------|---------|-----------|
| 319-103     | 1/4-20 x 1      | 100     | 2200      |
| 319-104     | 1/4-20 x 1-1/4  | 100     | 1900      |
| 319-105     | 1/4-20 x 1-1/2  | 100     | 1600      |
| 319-106     | 1/4-20 x 2      | 100     | 1200      |
| 319-107     | 1/4-20 x 2-1/2  | 50      | 900       |
| 319-108     | 1/4-20 x 3      | 50      | 750       |
| 319-109     | 1/4-20 x 3-1/2  | 50      | 550       |
| 319-110     | 1/4-20 x 4      | 25      | 450       |
| 319-111*    | 1/4-20 x 4-1/2  | 25      | 450       |
| 319-112     | 1/4-20 x 5      | 25      | 400       |
| 313-156HDG  | 1/4-20 x 5-1/2  | 25      | 300       |
| 319-113     | 1/4-20 x 6      | 25      | 300       |
| 319-114     | 5/16-18 x 1     | 100     | 1100      |
| 319-115     | 5/16-18 x 1-1/4 | 100     | 950       |
| 319-116     | 5/16-18 x 1-1/2 | 100     | 800       |
| 319-117     | 5/16-18 x 2     | 100     | 700       |
| 319-118     | 5/16-18 x 2-1/2 | 50      | 450       |
| 319-119     | 5/16-18 x 3     | 50      | 400       |
| 319-120     | 5/16-18 x 3-1/2 | 50      | 300       |
| 319-121     | 5/16-18 x 4     | 25      | 275       |
| 319-122     | 5/16-18 x 4-1/2 | 25      | 250       |
| 319-123     | 5/16-18 x 5     | 25      | 200       |
| 313-193HDG* | 5/16-18 x 5-1/2 | 25      | 200       |
| 319-124     | 5/16-18 x 6     | 25      | 200       |
| 319-125     | 5/16-18 x 7     | 25      | 200       |
| 319-126     | 5/16-18 x 8     | 25      | 200       |
| 313-213HDG  | 3/8-16 x 1      | 100     | 750       |
| 319-127A    | 3/8-16 x 1-1/4  | 100     | 600       |
| 319-127     | 3/8-16 x 1-1/2  | 100     | 550       |
| 313-218HDG  | 3/8-16 x 1-3/4  | 100     | 450       |
| 319-128     | 3/8-16 x 2      | 100     | 350       |
| 319-129     | 3/8-16 x 2-1/2  | 100     | 300       |
| 319-130     | 3/8-16 x 3      | 50      | 250       |
| 319-131     | 3/8-16 x 3-1/2  | 50      | 225       |
| 319-132     | 3/8-16 x 4      | 50      | 175       |

| # HDG      | DIMENSION      | BTE BOX | VRAC BULK |
|------------|----------------|---------|-----------|
| 319-133    | 3/8-16 x 4-1/2 | 50      | 175       |
| 319-134    | 3/8-16 x 5     | 50      | 175       |
| 313-233HDG | 3/8-16 x 5-1/2 | 50      | 175       |
| 319-135    | 3/8-16 x 6     | 50      | 150       |
| 313-236HDG | 3/8-16 x 6-1/2 | 10      | 150       |
| 319-136    | 3/8-16 x 7     | 10      | 150       |
| 319-137    | 3/8-16 x 8     | 10      | 125       |
| 313-242HDG | 3/8-16 x 9     | 1       | 120       |
| 313-245HDG | 3/8-16 x 10    | 1       | 110       |
| 313-248HDG | 3/8-16 x 12    | 1       | 90        |
| 313-299HDG | 1/2-13 x 1-1/2 | 50      | 300       |
| 319-138    | 1/2-13 x 2     | 50      | 250       |
| 319-139    | 1/2-13 x 2-1/2 | 50      | 200       |
| 319-140    | 1/2-13 x 3     | 50      | 150       |
| 319-141    | 1/2-13 x 3-1/2 | 50      | 125       |
| 319-142    | 1/2-13 x 4     | 25      | 125       |
| 319-143    | 1/2-13 x 4-1/2 | 25      | 110       |
| 319-144    | 1/2-13 x 5     | 25      | 100       |
| 313-315HDG | 1/2-13 x 5-1/2 | 25      | 100       |
| 319-345    | 1/2-13 x 6     | 25      | 90        |
| 313-318HDG | 1/2-13 x 6-1/2 | 25      | 85        |
| 319-146    | 1/2-13 x 7     | 1       | 75        |
| 319-147    | 1/2-13 x 8     | 1       | 80        |
| 313-323HDG | 1/2-13 x 9     | 1       | 75        |
| 313-326HDG | 1/2-13 x 10    | 1       | 65        |
| 313-327HDG | 1/2-13 x 11    | 1       | 60        |
| 313-328HDG | 1/2-13 x 12    | 1       | 55        |
| 313-341HDG | 5/8-11 x 2-1/2 | 25      | 125       |
| 319-148    | 5/8-11 x 3     | 25      | 100       |
| 319-149    | 5/8-11 x 4     | 25      | 90        |
| 319-150    | 5/8-11 x 5     | 25      | 75        |
| 319-151    | 5/8-11 x 6     | 10      | 65        |
| 319-152    | 5/8-11 x 7     | 1       | 55        |
| 319-153    | 5/8-11 x 8     | 1       | 50        |

Vrac: ajouter la quantité vrac à la fin du #/ Bulk: add bulk quantity at end of # (ex: 302-105P-2200) Autres dimensions disponibles sur demande / Other dimension available on request

## TIRE-FONDS LAG SCREWS

**GRADE 2  
UNC**



HDG = HOT DEEP GALVANISE

| # HDG      | DIMENSION    | BTE BOX | VRAC BULK |
|------------|--------------|---------|-----------|
| 319-171    | 1/4 x 1      | 100     | 2600      |
| 319-172    | 1/4 x 1-1/4  | 100     | 1200      |
| 319-173    | 1/4 x 1-1/2  | 100     | 1700      |
| 319-174    | 1/4 x 2      | 100     | 1300      |
| 319-175    | 1/4 x 2-1/2  | 50      | 950       |
| 319-176    | 1/4 x 3      | 50      | 700       |
| 319-177    | 1/4 x 3-1/2  | 50      | 600       |
| 319-178    | 1/4 x 4      | 50      | 450       |
| 315-120HDG | 1/4 x 4-1/2  | 50      | 400       |
| 315-122HDG | 1/4 x 5      | 50      | 400       |
| 315-125HDG | 1/4 x 6      | 50      | 400       |
| 315-129HDG | 5/16 x 1     | 100     | 1400      |
| 319-179    | 5/16 x 1-1/2 | 100     | 1000      |
| 319-180    | 5/16 x 2     | 50      | 850       |
| 319-181    | 5/16 x 2-1/2 | 50      | 650       |
| 319-182    | 5/16 x 3     | 50      | 500       |
| 319-183    | 5/16 x 3-1/2 | 50      | 400       |
| 319-184    | 5/16 x 4     | 50      | 300       |
| 315-148HDG | 5/16 x 4-1/2 | 25      | 300       |
| 319-185    | 5/16 x 5     | 25      | 275       |
| 315-151HDG | 5/16 x 5-1/2 | 25      | 275       |
| 319-186    | 5/16 x 6     | 25      | 275       |
| 319-187    | 3/8 x 1-1/2  | 100     | 750       |
| 319-188    | 3/8 x 2      | 100     | 600       |
| 319-189    | 3/8 x 2-1/2  | 50      | 500       |
| 319-190    | 3/8 x 3      | 50      | 400       |
| 319-191    | 3/8 x 3-1/2  | 50      | 325       |
| 319-192    | 3/8 x 4      | 50      | 275       |
| 319-193    | 3/8 x 4-1/2  | 25      | 250       |
| 319-194    | 3/8 x 5      | 25      | 225       |
| 315-177HDG | 3/8 x 5-1/2  | 25      | 200       |
| 319-195    | 3/8 x 6      | 25      | 200       |
| 315-181HDG | 3/8 x 7      | 1       | 175       |
| 315-184HDG | 3/8 x 8      | 1       | 150       |
| 315-189HDG | 3/8 x 10     | 1       | 120       |
| 315-190HDG | 3/8 x 12     | 1       | 100       |

| # HDG      | DIMENSION   | BTE BOX | VRAC BULK |
|------------|-------------|---------|-----------|
| 319-196    | 1/2 x 2     | 50      | 300       |
| 319-197    | 1/2 x 2-1/2 | 25      | 250       |
| 319-198    | 1/2 x 3     | 25      | 200       |
| 319-199    | 1/2 x 3-1/2 | 25      | 175       |
| 319-200    | 1/2 x 4     | 25      | 150       |
| 315-206HDG | 1/2 x 4-1/2 | 25      | 130       |
| 319-201    | 1/2 x 5     | 25      | 125       |
| 319-202    | 1/2 x 6     | 10      | 100       |
| 319-203    | 1/2 x 7     | 10      | 100       |
| 319-204    | 1/2 x 8     | 10      | 90        |
| 315-219HDG | 1/2 x 9     | 1       | 75        |
| 315-221HDG | 1/2 x 10    | 1       | 65        |
| 315-223HDG | 1/2 x 12    | 1       | 55        |
| 315-225HDG | 1/2 x 14    | 1       | 55        |
| 315-228HDG | 5/8 x 2-1/2 | 25      | 150       |
| 315-230HDG | 5/8 x 3     | 25      | 130       |
| 315-232HDG | 5/8 x 3-1/2 | 25      | 115       |
| 315-235HDG | 5/8 x 4     | 25      | 100       |
| 315-238HDG | 5/8 x 5     | 25      | 75        |
| 315-240HDG | 5/8 x 6     | 25      | 65        |
| 315-243HDG | 5/8 x 7     | 25      | 65        |
| 315-244HDG | 5/8 x 7-1/2 | 25      | 60        |
| 315-245HDG | 5/8 x 8     | 5       | 60        |
| 315-250HDG | 5/8 x 10    | 1       | 45        |
| 315-252HDG | 5/8 x 12    | 1       | 35        |
| 315-256HDG | 3/4 x 3     | 20      | 85        |
| 315-259HDG | 3/4 x 3-1/2 | 20      | 75        |
| 315-262HDG | 3/4 x 4     | 20      | 70        |
| 315-264HDG | 3/4 x 5     | 20      | 55        |
| 315-267HDG | 3/4 x 6     | 20      | 50        |
| 315-269HDG | 3/4 x 7     | 20      | 45        |
| 315-271HDG | 3/4 x 8     | 5       | 40        |
| 315-274HDG | 3/4 x 9     | 1       | 35        |
| 315-277HDG | 3/4 x 10    | 1       | 30        |
| 315-279HDG | 3/4 x 12    | 1       | 28        |

Vrac: ajouter la quantité vrac à la fin du #/ Bulk: add bulk quantity at end of # (ex: 302-105P-2200) Autres dimensions disponibles sur demande / Other dimension available on request

**BOULONS DE STRUCTURE ASSEMBLÉS  
AVEC ÉCROUS & RONDELLES  
HEAVY HEX STRUCTURAL BOLTS  
WITH NUTS & WASHERS**

A = GALVANISÉ À CHAUD / HOT DIP GALVANISED

**TYPE 1**

**ASTM A325**



| # HDG<br># HDG | DIMENSION      | VRAC<br>BULK | CAISSE<br>BOX |
|----------------|----------------|--------------|---------------|
| 306-102A       | 1/2-13 x 1-1/4 | 900          | ---           |
| 306-103A*      | 1/2-13 x 1-1/2 | 800          | 160           |
| 306-104A       | 1/2-13 x 1-3/4 | 750          | ---           |
| 306-105A       | 1/2 x 2        | 700          | ---           |
| 306-106A       | 1/2-13 x 2-1/4 | 650          | ---           |
| 305-107A       | 1/2 x 2-1/2    | 600          | ---           |
| 305-109A       | 1/2-13 x 2-3/4 | 550          | ---           |
| 306-111A       | 1/2-13 x 3     | 525          | ---           |
| 306-111BA      | 1/2-13 X 3-1/4 | 500          | ---           |
| 306-112A       | 1/2-13 x 4     | 400          | ---           |
| 306-112BA      | 5/8-11 X 1-1/4 | 500          | ---           |
| 306-113A       | 5/8-11 x 1-1/2 | 500          | ---           |
| 306-114A*      | 5/8 x 1-3/4    | 500          | 100           |
| 306-115A*      | 5/8 x 2        | 450          | 90            |
| 306-116A*      | 5/8 x 2-1/4    | 400          | 80            |
| 306-117A*      | 5/8 x 2-1/2    | 400          | 80            |
| 306-118A*      | 5/8 x 2-3/4    | 350          | 70            |
| 306-119A*      | 5/8 x 3        | 330          | 65            |
| 306-121A       | 5/8-11 x 3-1/2 | 300          | ---           |
| 306-123A       | 5/8-11 x 4     | ?            | ---           |
| 306-124A       | 5/8-11 x 4-1/2 | ?            | ---           |
| 306-125A       | 5/8-11 x 5     | 230          | ---           |
| 306-126A       | 5/8-11 x 5-1/2 | 210          | ---           |
| 306-128A       | 3/4-10 x 1/2   | 320          | ---           |
| 306-129A*      | 3/4 x 1-3/4    | 300          | 60            |
| 306-130A*      | 3/4 x 2        | 300          | 60            |
| 306-131A*      | 3/4 x 2-1/4    | 270          | 55            |
| 306-132A*      | 3/4 x 2-1/2    | 260          | 50            |
| 306-133A*      | 3/4 x 2-3/4    | 250          | 50            |
| 306-134A*      | 3/4 x 3        | 230          | 45            |
| 306-135A*      | 3/-10 x 3-1/4  | 220          | 40            |
| 306-136A       | 3/-10 x 3-1/2  | 210          | ---           |

| # HDG<br># HDG | DIMENSION      | VRAC<br>BULK | CAISSE<br>BOX |
|----------------|----------------|--------------|---------------|
| 306-137A       | 3/-10 x 3-3/4  | 200          | ---           |
| 306-138A       | 3/4-10 x 4     | 190          | ---           |
| 306-140A       | 3/4-10 x 4-1/2 | 170          | ---           |
| 306-142A       | 3/4-10 x 5     | 150          | ---           |
| 306-144A       | 3/4-10 x 5-1/2 | 150          | ---           |
| 306-146A       | 3/4-10 x 6     | 135          | ---           |
| 306-151A       | 7/8 x 2        | 200          | ---           |
| 306-152A       | 7/8 x 2-1/4    | 190          | ---           |
| 306-153A       | 7/8 x 2-1/2    | 180          | ---           |
| 306-154A       | 7/8 x 2-3/4    | 170          | ---           |
| 306-155A       | 7/8 x 3        | 160          | ---           |
| 306-156A       | 7/8-9 x 3-1/4  | 150          | ---           |
| 306-157A       | 7/8-9 x 3-1/2  | 160          | ---           |
| 306-158A       | 7/8-9 x 3-3/4  | 140          | ---           |
| 306-159A       | 7/8-9 x 4      | 150          | ---           |
| 306-160A       | 7/8-9 x 4-1/4  | 120          | ---           |
| 306-161A       | 7/8-9 x 5      | 125          | ---           |
| 306-163A       | 7/8-9 x 6      | 90           | ---           |
| 306-168A       | 7/8-9 x 8-1/2  | 12           | ---           |
| 306-174A       | 1-8 x 2-1/4    | 140          | ---           |
| 306-175A       | 1-8 x 2-1/2    | 140          | ---           |
| 306-176A       | 1-8 x 2-3/4    | 130          | ---           |
| 306-177A       | 1-8 x 3        | 130          | ---           |
| 306-178A       | 1-8 x 3-1/4    | 120          | ---           |
| 306-179A       | 1-8 x 3-1/2    | 110          | ---           |
| 306-180A       | 1-8 x 3-3/4    | 110          | ---           |
| 306-181A       | 1-8 x 4        | 100          | ---           |
| 306-182A       | 1-8 x 4-1/2    | 90           | ---           |
| 306-183A       | 1-8 x 4-3/4    | 85           | ---           |
| 306-184A       | 1-8 x 5        | 85           | ---           |
| 306-185A       | 1-8 x 5-1/2    | 80           | ---           |
| 306-186A       | 1-8 x 6        | 70           | ---           |

Vrac: ajouter la quantité vrac à la fin du #/ Bulk: add bulk quantity at end of # (ex: 302-105P-2200) Autres dimensions disponibles sur demande / Other dimension available on request



## ÉCROUS HEXAGONAUX ROBUSTE / STRUCTURE HEAVY HEXAGON NUTS / STRUCTURAL

FILET GROS / COARSE THREAD U.N.C. (U.S.S.)  
HDG = GALVANISÉ / HOT DIP GALVANIZED



### GRADE 2H

ASTM A 194

UTILISER AVEC GOUGONS ET TIGES B7 USE  
WITH B7 STUDS & RODS

| UNC / USS |                                     | INFORMATIONS                              |                        |            |              |
|-----------|-------------------------------------|---|------------------------|------------|--------------|
| DIMENSION | # GALVANISÉ<br># HOT DIP GALVANIZED | Dimension côté plat<br>Width Across Flats | Épaisseur<br>Thickness | BTE<br>BOX | VRAC<br>BULK |
| 1/2-13    | 306-439HDG                          | 7/8                                       | 31/64                  | 50         | 3300         |
| 5/8-11    | 306-441HDG                          | 1-1/16                                    | 39/64                  | 25         | 1800         |
| 3/4-10    | 306-442HDG                          | 1-1/4                                     | 47/64                  | 20         | 1000         |
| 7/8-9     | 306-443HDG                          | 1-7/16                                    | 55/64                  | 20         | 650          |
| 1-8       | 306-444HDG                          | 1-5/8                                     | 63/64                  | 20         | 450          |

## RONDELLES ROBUSTE / STRUCTURE HEAVY WASHER / STRUCTURAL

HDG = GALVANISÉ / HOT DIP GALVANIZED



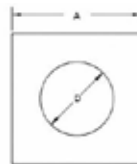
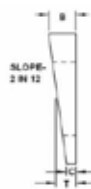
### ASTM F436

ROCKWELL C38-45

| POUR BOULON<br>DIMENSION | # GALVANISÉ<br># HOT DIP GALVANIZED | Dimension |         | Épaisseur<br>Thickness | BTE<br>BOX |
|--------------------------|-------------------------------------|-----------|---------|------------------------|------------|
|                          |                                     | I.D.      | O.D.    |                        |            |
| 1/2                      | 306-402HDG                          | 17/32     | 1-1/16  | .097-.177              | 100        |
| 5/8                      | 306-403HDG                          | 11/16     | 1-5/16  | .122-.177              | 100        |
| 3/4                      | 306-404HDG                          | 13/16     | 1-15/32 | .122-.177              | 100        |
| 7/8                      | 306-405HDG                          | 15/16     | 1-3/4   | .136-.177              | 50         |
| 1                        | 306-406HDG                          | 1-1/8     | 2       | .136-.177              | 50         |
| 1-1/8                    | 306-407HDG                          | 1-1/4     | 2-1/4   | .136-.177              | 25         |

## RONDELLES CARRÉES ROBUSTE BISAUTÉES HARDENED BEVELED WASHER

HDG = GALVANISÉ / HOT DIP GALVANIZED



### ASTM F436

ROCKWELL HARDNESS  
26 TO 45 HRC

| POUR BOULON<br>DIMENSION | # GALVANISÉ<br># HOT DIP GALVANIZED | A                                   | B                     | C    | T    | D                    | Poids par 100 pièces<br>Weight (lbs.) Per 100<br>Pieces | BTE<br>BOX |
|--------------------------|-------------------------------------|-------------------------------------|-----------------------|------|------|----------------------|---|------------|
|                          |                                     | Carré dimension<br>Square Dimension | Épaisseur / Thickness |      |      | Diametre<br>Diameter |   |            |
| 1/2                      | 306-425HDG                          | 1.75                                | 0.45                  | 0.16 | 0.31 | 0.53                 | 24.6  | 100        |
| 5/8                      | 306-426HDG                          | 1.75                                | 0.45                  | 0.16 | 0.31 | 0.69                 | 23.3  | 100        |
| 3/4                      | 306-427HDG                          | 1.75                                | 0.45                  | 0.16 | 0.31 | 0.81                 | 22.0  | 100        |
| 7/8                      | 306-429HDG                          | 1.75                                | 0.45                  | 0.16 | 0.31 | 0.94                 | 20.4  | 50         |
| 1                        | 306-428HDG                          | 1.75                                | 0.45                  | 0.16 | 0.31 | 1.12                 | 17.9  | 50         |

19-06-2024

## ÉCROUS HEXAGONALE HDG HDG HEXAGON NUTS

FILET GROS / COARSE THREAD  
U.N.C. (U.S.S.)

**UNC**



GR 2

## RONDELLES PLATES HDG HDG FLAT WASHER

GRADE 2  
U.N.C. (U.S.S.)



GR 2

## RONDELLES RESSORTS LOCKWASHER

GRADE 2  
U.N.C. (U.S.S.)



GR 2

| ÉCROUS HEXAGONE HDG<br>HDG HEXAGON NUTS |                |     | RONDELLES PLATES HDG<br>HDG FLAT WASHER |              |          | RONDELLES RESSORTS GR. 2<br>GR. 2 SPRING LOCK WASHERS |             |     |
|---|----------------|-----|---|--------------|----------|---|-------------|-----|
| NUMÉRO                                  | DIMENSION      | BTE | NUMÉRO                                  | DIMENSION    | QTE / LB | NUMÉRO  | DIMENSION   | BTE |
| 319-155                                 | <b>1/4-20</b>  | 100 | 319-159                                 | <b>1/4</b>   | 157      | 342-114HDG  | <b>1/4</b>  | 100 |
| 319-156                                 | <b>5/16-18</b> | 100 | 319-160                                 | <b>5/16</b>  | 91       | 342-115HDG  | <b>5/16</b> | 100 |
| 319-157                                 | <b>3/8-16</b>  | 100 | 319-161                                 | <b>3/8</b>   | 65       | 342-116HDG  | <b>3/8</b>  | 100 |
| 319-157A                                | <b>7/16-14</b> | 50  | 319-162                                 | <b>7/16</b>  | 34       | 342-121HDG  | <b>1/2</b>  | 50  |
| 319-158                                 | <b>1/2-13</b>  | 50  | 319-163                                 | <b>1/2</b>   | 24       | 342-124HDG  | <b>5/8</b>  | 25  |
| 319-299                                 | <b>5/8-11</b>  | 25  | 319-164                                 | <b>9/16</b>  | 21       | 342-128HDG  | <b>3/4</b>  | 20  |
| 319-300                                 | <b>3/4-10</b>  | 20  | 319-165                                 | <b>5/8</b>   | 12       | 342-132HDG  | <b>7/8</b>  | 20  |
| 319-301                                 | <b>7/8-9</b>   | 20  | 319-166                                 | <b>3/4</b>   | 10       | 342-133HDG  | <b>1</b>    | 20  |
| 319-303                                 | <b>1-8</b>     | 20  | 319-167                                 | <b>7/8</b>   | 7        |   |             |     |
| 319-304                                 | <b>1-1/4</b>   | 1   | 319-168                                 | <b>1</b>     | 5        |   |             |     |
| 319-305                                 | <b>1-1/8</b>   | 1   | 319-169                                 | <b>1-1/8</b> | 5        |   |             |     |
| 319-308                                 | <b>1-3/8</b>   | 1   | 319-170                                 | <b>1-1/4</b> | 5        |   |             |     |
| 319-311                                 | <b>1-1/2</b>   | 1   | 319-170A                                | <b>1-1/2</b> | 5        |   |             |     |
| 319-313                                 | <b>1-3/4</b>   | 1   |   |              |          |   |             |     |
| 319-315                                 | <b>1-7/8</b>   | 1   |   |              |          |   |             |     |
| 319-317                                 | <b>2</b>       | 1   |   |              |          |   |             |     |

## TIGES FILETÉES HDG THREADED ROD HDG

FILET GROS / COARSE THREAD U.N.C. (U.S.S.)

**GRADE 2**

**UNC**



HDG = HOT DEEP GALVANISE

| TIGES FILETÉES HDG<br>THREADED RODS |                |          |
|-------------------------------------|----------------|----------|
| NUMÉRO                              | DIMENSION      | LONGUEUR |
| 351-105HDG                          | <b>3/8-16</b>  | 120"     |
| 351-106HDG                          | <b>7/16-14</b> | 120"     |
| 351-108HDG                          | <b>1/2-13</b>  | 120"     |

| TIGES FILETÉES HDG<br>THREADED RODS |               |          |
|-------------------------------------|---------------|----------|
| NUMÉRO                              | DIMENSION     | LONGUEUR |
| 351-111HDG                          | <b>5/8-11</b> | 120"     |
| 351-114HDG                          | <b>3/4-10</b> | 120"     |
| 351-115HDG                          | <b>7/8-9</b>  | 120"     |
| 351-117HDG                          | <b>1-8</b>    | 120"     |



|   |              |   |  |                 |   |
|---|--------------|---|--|-----------------|---|
| <b>BOULONS DE MADRIER POUR PONT<br/>GALVANIZED TIMBER<br/>BOLTS</b>     | <b>P. 10</b> |  | <b>RONDELLES CARRÉES<br/>GALVANISÉES<br/>GALVANIZED SQUARE<br/>WASHERS</b> | <b>P. 12</b>    |  |
| <b>TIGES FILETÉES<br/>GALVANISÉ<br/>ALL THREAD RODS</b>                 | <b>P. 11</b> |  | <b>TAQUETS GALVANISÉS<br/>GALVANIZED CLEATS</b>                            | <b>P. 13</b>    |  |
| <b>ÉCROUS À RACCORD<br/>GALVANISÉS<br/>GALVANIZED COUPLING<br/>NUTS</b> | <b>P. 11</b> |  | <b>PLAQUES &amp; CHARNIÈRES<br/>PLATES &amp; CORNERS</b>                   | <b>P. 14-15</b> |  |

Produits de spécialités, contactez-nous pour une demande de prix et disponibilité des produits.  
Specialty products, contact us for a price request and availability of products.

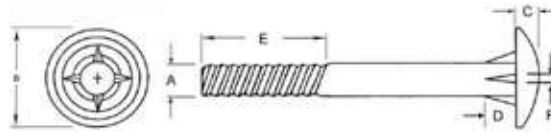
**1800-463-5259 | [prdistribution.ca](http://prdistribution.ca)**

## BOULONS DE MADRIER POUR PONT GALVANIZED TIMBER BOLTS

FILET GROS / COARSE THREAD U.N.C. (U.S.S.)

HDG = HOT DEEP GALVANISE

# UNC GRADE 2



| A     | B     | C    | D   | E | F    | LONGUEUR MIN | LONGUEUR MAX |
|-------|-------|------|-----|---|------|--------------|--------------|
| 1/2   | 1-3/4 | .275 | 1/4 | 6 | .200 | 6            | 24           |
| 5/8   | 2-1/4 | 5/16 | 5/8 | 6 | 1/4  | 6            | 28           |
| 3/4   | 2-5/8 | 7/16 | 3/4 | 6 | 1/4  | 6            | 36           |
| 7/8   | 3     | 1/2  | 7/8 | 6 | 9/32 | 12           | 40           |
| 1     | 3     | 1/2  | 1   | 6 | 5/16 | 10           | 40           |
| 1-1/4 | 3-1/2 | 1/2  | 1   | 8 | 5/16 | 18           | 34           |

## GOUJONS FILLETÉS GALVANISÉS ÉCROU HEX. ASSORTIE À CHAQUE EMBOUT GALVANIZED TIE RODS IN STOCK WITH GALVANIZED HEX NUTS ATTACHES TO EACH END

FILET GROS / COARSE THREAD U.N.C. (U.S.S.)

HDG = HOT DEEP GALVANISE



| Numéro Number | Diamètre Diameter | Longeur Length | Poids lbs Wt.Lb. |
|---------------|-------------------|----------------|------------------|
| 319-500       | 5/8"              | 8'             | 7,10             |
| 319-501       | 5/8"              | 10'            | 8,3              |
| 319-502       | 5/8"              | 12'            | 10,0             |
| 319-503       | 5/8"              | 15'            | 12,5             |
| 319-504       | 5/8"              | 20'            | 16,6             |
| 319-505       | 3/4"              | 8"             | 9,6              |
| 319-506       | 3/4"              | 10'            | 12,2             |
| 319-507       | 3/4"              | 12'            | 14,6             |
| 319-508       | 3/4"              | 14'            | 17,1             |
| 319-509       | 3/4"              | 15'            | 18,4             |

| Numéro Number | Diamètre Diameter | Longeur Length | Poids lbs Wt.Lb. |
|---------------|-------------------|----------------|------------------|
| 319-510       | 3/4"              | 16'            | 19,6             |
| 319-511       | 3/4"              | 20'            | 24,5             |
| 319-512       | 1"                | 8'             | 17,52            |
| 319-513       | 1"                | 10"            | 22,20            |
| 319-514       | 1"                | 12'            | 26,63            |
| 319-515       | 1"                | 14'            | 31,08            |
| 319-516       | 1"                | 16'            | 35,50            |
| 319-517       | 1"                | 20'            | 44,40            |
| 319-518       | 16'               | 58,00          |                  |
| 319-519       | 20'               | 72,49          |                  |

Produits de spécialités, contactez-nous pour une demande de prix et disponibilité des produits.  
Specialty products, contact us for a price request and availability of products.

**Autres dimensions disponibles sur demande / Other dimension available on request 1800-463-5259**

## TIGES FILETÉES GALVANISÉES ALL THREAD ROD

FILET GROS / COARSE THREAD U.N.C. (U.S.S.)



HDG = HOT DEEP GALVANISE

| Diamètre/Diameter | # Longueur / Length 6' | # Longueur / Length 12' |
|-------------------|------------------------|-------------------------|
| 3/8-16            | 319-525                | -                       |
| 1/2-13            | 319-526                | 319-535                 |
| 5/8-11            | 319-527                | 319-536                 |
| 3/4-10            | 319-528                | 319-538                 |
| 7/8-9             | 319-529                | -                       |
| 1-8               | 319-530                | 319-539                 |
| 1-1/4-7           | 319-531                | -                       |
| 1-1/2-6           | 319-532                | -                       |
| 1-3/4-5           | 319-533                | -                       |
| 2-4-1/2           | 319-534                | -                       |

## ÉCROUS À RACCORD GALVANISÉS GALVANIZED COUPLING NUTS

FILET GROS / COARSE THREAD U.N.C. (U.S.S.)



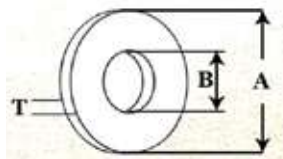
HDG = HOT DEEP GALVANISE

| Numéro/Number | Diamètre/Diameter | Longueur / Length |
|---------------|-------------------|-------------------|
| 319-540       | 1/2"              | 1-3/4"            |
| 319-541       | 3/4"              | 2-1/4"            |
| 319-542       | 1"                | 2-3/4"            |
| 319-543       | 5/8"              | 2-1/8"            |

| Numéro/Number | Diamètre/Diameter | Longueur / Length |
|---------------|-------------------|-------------------|
| 319-544       | 7/8"              | 2-1/2"            |
| 319-545       | 1-1/8"            | 3"                |
| 319-546       | 1-1/4"            | 3"                |

## RONDELLES GALVANISÉES POUR QUAIS ET PONTS GALVANIZED DOCK WASHERS

HDG = HOT DEEP GALVANISE



| Numéro / Number | Bolt size | Diamètre ext. (A)<br>Outside diameter (A) | Diamètre int. (B)<br>Inside diameter (B) | Épaisseur / Thickness (T) | Poids (lbs) / Weight (lb) |
|-----------------|-----------|---|--|---------------------------|---------------------------|
| 319-560         | 5/8"      | 2-1/2"                                    | 11/16"                                   | 1/4"                      | 0,47                      |
| 319-561         | 3/4"      | 2-1/2"                                    | 13/16"                                   | 1/4"                      | 0,48                      |
| 319-562         | 1/2"      | 3"  | 9/16"                                    | 1/4"                      | 0,50                      |
| 319-563         | 5/8"      | 3"  | 11/16"                                   | 1/4"                      | 0,488                     |
| 319-564         | 3/4"      | 3"  | 13/16"                                   | 1/4"                      | 0,481                     |
| 319-565         | 7/8"      | 3"  | 15/16"                                   | 1/4"                      | 0,465                     |
| 319-566         | 1"        | 3-1/4"                                    | 1-1/16"                                  | 1/4"                      | 0,541                     |
| 319-567         | 1-1/4"    | 4"  | 1,3/8"                                   | 1/2"                      | 1,61                      |

## RONDELLES CARRÉES GALVANISÉES GALVANIZED SQUARE WASHER

HDG = HOT DEEP GALVANISE



| Numéro<br>Number | Grandeur boulon<br>Bolt size | Grandeur<br>size | Épaisseur<br>Thickness | Poids (lbs)<br>Weight (lb) |
|------------------|------------------------------|------------------|------------------------|----------------------------|
| 319-380          | 1/2"                         | 2" x 2"          | 3/16"                  | 0,13                       |
| 319-381          | 5/8"                         | 2" x 2"          | 3/16"                  | 0,13                       |
| 319-382          | 3/4"                         | 2" x 2"          | 3/16"                  | 0,13                       |
| 319-383          | 1/2"                         | 3" x 3"          | 1/4"                   | 0,48                       |
| 319-384          | 5/8"                         | 3" x 3"          | 1/4"                   | 0,48                       |
| 319-385          | 3/4"                         | 3" x 3"          | 1/4"                   | 0,48                       |

## PLAQUES D'ACIER GALVANISÉS ROBUSTE GALVANIZED HURRICANE PLATES

RÉSISTANT POUR MÉTÉO EXTRÊME (OURAGAN)  
RESISTANT FOR EXTREME WEATHER (HURRICANE)

HDG = HOT DEEP GALVANISE



| Numéro<br>Number | Grandeur boulon<br>Bolt size | Grandeur<br>size | Longeur<br>Lenght | Épaisseur<br>Thickness | Poids (lbs)<br>Weight (lb) |
|------------------|------------------------------|------------------|-------------------|------------------------|----------------------------|
| 319-390          | 5/8"                         | 2"               | 18"               | 3/16"                  | 1,70                       |
| 319-391          | 5/8"                         | 4"               | 15"               | 3/16"                  | 3,35                       |
| 319-392          | 5/8"                         | 4"               | 18"               | 3/16"                  | 4,02                       |
| 319-393          | 5/8"                         | 4"               | 20"               | 3/16"                  | 4,46                       |

## RONDELLES DEMI-LUNE GALVANISÉES GALVANIZED HILLSIDE WASHERS

HDG = HOT DEEP GALVANISE



| Numéro<br>Number | Grandeur boulon<br>Bolt size | Largeur<br>Width | Longeur<br>Lenght | Angle | Poids (lbs)<br>Weight (lb) |
|------------------|------------------------------|------------------|-------------------|-------|----------------------------|
| 319-395          | 5/8"                         | 1-7/16"          | 2-1/4"            | 54%   | 0,50                       |
| 319-396          | 3/4"                         | 1-5/8"           | 2-3/8"            | 51%   | 0,61                       |
| 319-397          | 1"                           | 2"               | 3-1/16"           | 53%   | 1,28                       |

## RONDELLES À REBORD GALVANISÉES GALVANIZED Ogee WASHER

HDG = HOT DEEP GALVANISE



| Numéro Number | Bolt size | Diamètre ext. Outside diameter | Diamètre int. Inside diameter | Épaisseur Thickness | Poids (lbs) Weight (lb) | Quantité approx. Approx. quantity |
|---------------|-----------|--------------------------------|-------------------------------|---------------------|-------------------------|-----------------------------------|
| 319-570       | 1/2"      | 2"                             | 5/8"                          | 1/2"                | ,27 lb.                 | 370                               |
| 319-571       | 5/8"      | 2-3/4"                         | 3/4"                          | 5/8"                | ,56 lb.                 | 179                               |
| 319-572       | 3/4"      | 3"                             | 7/8"                          | 3/4"                | ,72 lb.                 | 139                               |
| 319-573       | 7/8"      | 3-1/2"                         | 1"                            | 7/8"                | 1,24 lb.                | 81                                |
| 319-574       | 1"        | 4"                             | 1-1/8"                        | 1"                  | 1,60 lb.                | 63                                |
| 319-575       | 1-1/8"    | 4-1/4"                         | 1-1/4"                        | 1-1/8"              | 2,40 lb.                | 42                                |
| 319-576       | 1-1/4"    | 4-1/2"                         | 1-3/8"                        | 1-1/4"              | 2,58 lb.                | 39                                |
| 319-577       | 1-1/2"    | 5-1/4"                         | 1-5/8"                        | 1-1/2"              | 4,64 lb.                | 22                                |

## TAQUETS GALVANISÉS GALVANIZED CLEATS

HDG = HOT DEEP GALVANISE



| Numéro Number | Bolt size | Poids (lbs) Weight (lb) | Numéro de boulon Screw number | Boulon Bolts |
|---------------|-----------|-------------------------|-------------------------------|--------------|
| 319-420       | 3/1/2     | 1/8                     | 8                             | *            |
| 319-421       | 4         | 3/16                    | 8                             | *            |
| 319-422       | 5         | 5/16                    | 10                            | *            |
| 319-423       | 6         | 3/8                     | 14                            | *            |
| 319-424       | 8         | 1-1/16                  | 16                            | *            |
| 319-425       | 10        | 2-1/16                  | *                             | 3/8"         |
| 319-426       | 12        | 3-9/13                  | *                             | 3/8"         |
| 319-427       | 14        | 5-7/8                   | *                             | 7/16"        |
| 319-428       | 18        | 11                      | *                             | 5/8"         |

## Connecteur en T male simple / Double *Single T Male / Double T Male*

Dimension 5" x 5"  
Épaisseur 1/4"  
Trou d'espacement 3-1/2"  
Trou plaque carré 9/16"  
Trou connecteur 13/16"

*Dimension 5" x 5"*  
*Thickness 1/4"*  
*Spacing hole 3-1/2"*  
*Square hole 9/16"*  
*Connector hole 13/16"*



## Plaque *Plate*

Dimension 5" x 5"  
Épaisseur 1/4"  
Trou d'espacement 3-1/2"  
Trou plaque carré 9/16"

*Dimension 5" x 5"*  
*Thickness 1/4"*  
*Hole Space 3-1/2"*  
*Square Holes 9/16"*



## Plaque d'angle pour quai *Angle Washer Plate*

Dimension 2-3/4" x 5"  
Épaisseur 1/4"  
Trou d'espacement 3-1/2"  
Trou plaque carré 9/16"

*Dimension 2-3/4" x 5"*  
*Thickness 1/4"*  
*Hole Spacing 3-1/2"*  
*Square Holes 9/16"*



## Plaque à angle pour taquet *Cleat Angle*

Dimension 2-3/4" x 5"  
Épaisseur 1/4"  
Trou d'espacement 3-1/2"  
Trou plaque carré 9/16"  
Trou à fente 13/16"

*Dimension 2-3/4" x 5"*  
*Thickness 1/4"*  
*Hole Spacing 3-1/2"*  
*Square Holes 9/16"*  
*Slotted Holes 9/16"*



## Plaque d'espacement *Washer Plate*

Dimension 1-1/2" x 5"  
Épaisseur 1/4"  
Trou d'espacement 3-1/2"  
Trou plaque carré 9/16"

*Dimension 1-1/2" x 5"*  
*Thickness 1/4"*  
*Hole Spacing 3-1/2"*  
*Square Holes 9/16"*

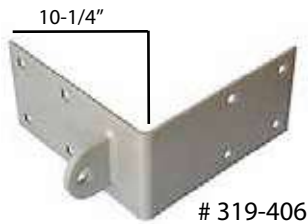




**Charnière coin  
extérieure male**  
**Outside Corner Male**

Dimension 10-1/4" x 5"  
Épaisseur 1/4"  
Trou d'espacement 3-1/2"  
Trou plaque carré 9/16"  
Trou connecteur 13/16"

*Dimension 10-1/4" x 5"*  
*Thickness 1/4"*  
*Hole Spacing 3-1/2"*  
*Square Hoes 9/16"*  
*Connector Holes 13/16"*



**Charnière coin  
intérieure female**  
**Inside Corner Female**

Dimension 10-1/4" x 5"  
Épaisseur 1/4"  
Trou d'espacement 3-1/2"  
Trou plaque carré 9/16"  
Trou connecteur 13/16"

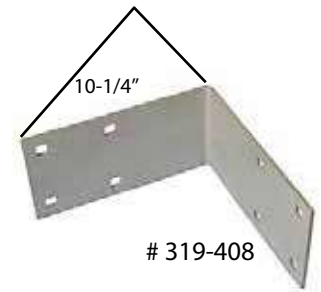
*Dimension 10-1/4" x 5"*  
*Thickness 1/4"*  
*Hole Spacing 3-1/2"*  
*9/16" Square Hoes*  
*13/16" Connector Holes*



**Charnière extérieure**  
**Outside Corner End**

Dimension 10-1/4" x 5"  
Épaisseur 1/4"  
Trou d'espacement 3-1/2"  
Trou plaque carré 9/16"

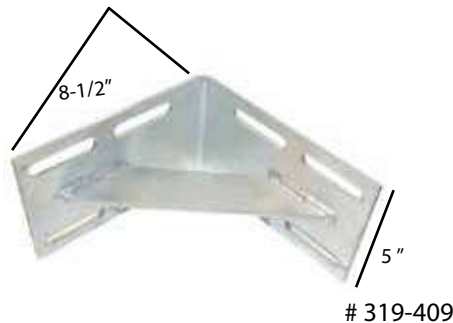
*Dimension 10-1/4" x 5"*  
*Thickness 1/4"*  
*Hole Spacing 3-1/2"*  
*Square Holes 9/16"*



**Charnière intérieure**  
**Inside Corner**

Dimension 8-1/2" x 5"  
Épaisseur 1/4"  
Trou d'espacement 3-1/2" Center to Center  
Trou à fente 19/16"

*Dimension 8-1/2" x 5"*  
*Thickness 1/4"*  
*Hole Spacing 3-1/2" Center to Center*  
*9/16" Slotted Holes*  
*9/16" Square Hoes*



**Support à poteau 3"**  
**3 inch Pipe Holder**

Diamètre intérieur du support 3"  
*ID Pipe Holder 3"*



**TABLEAU DE FORCE DES BOULONS / BOLT CLAMP LOADS-SUGGESTED ASSEMBLY TORQUE VALUES**

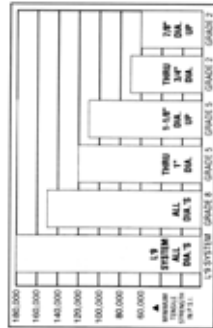
| DIAM. & THDS. PER IN. | S A E GRADE 2 THRU 6 <sup>th</sup> LONG |                            |                 |             |              | S A E GRADE 5   |                 |                            |                 |             | S A E GRADE 8 |                 |                 |                            |             | FASBELLOY L9 |                 |                 |              |             |
|-----------------------|---|----------------------------|-----------------|-------------|--------------|-----------------|-----------------|----------------------------|-----------------|-------------|---------------|-----------------|-----------------|----------------------------|-------------|--------------|-----------------|-----------------|--------------|-------------|
|                       | STRESS AREA SQ. IN.                     | TENSILE Strength-MIN. KSI. | PROOF LOAD LBS. | TORQUE      |              | CLAMP LOAD LBS. | PROOF LOAD LBS. | TENSILE Strength-MIN. KSI. | PROOF LOAD LBS. | TORQUE      |               | CLAMP LOAD LBS. | PROOF LOAD LBS. | TENSILE Strength-MIN. KSI. | TORQUE      |              | CLAMP LOAD LBS. | PROOF LOAD LBS. | TORQUE BY    |             |
|                       |   |                            |                 | DRY FT. LB. | LUB. FT. LB. |                 |                 |                            |                 | DRY FT. LB. | LUB. FT. LB.  |                 |                 |                            | DRY FT. LB. | LUB. FT. LB. |                 |                 | HEAT FT. LB. | NUT FT. LB. |
| 1/4-20                | .0318                                   | 74                         | 1750            | 1310        | 5.5          | 4.2             | 2700            | 2020                       | 8               | 6.3         | 150           | 3800            | 2850            | 12                         | 9           | 180          | 4610            | 3450            | 10           | 11          |
| 1/4-28                | .0364                                   | 74                         | 2000            | 1500        | 6.3          | 4.7             | 3100            | 2320                       | 10              | 7.2         | 150           | 4350            | 3250            | 14                         | 10          | 180          | 5270            | 3950            | 12           | 13          |
| 5/16-18               | .0524                                   | 74                         | 2900            | 2160        | 11           | 8               | 4450            | 3340                       | 17              | 13          | 150           | 6300            | 4700            | 24                         | 18          | 180          | 7590            | 5700            | 19           | 21          |
| 5/16-24               | .0580                                   | 74                         | 3200            | 2400        | 12           | 9               | 4900            | 3700                       | 19              | 14          | 150           | 6950            | 5200            | 27                         | 20          | 180          | 8410            | 6300            | 20           | 23          |
| 3/8-16                | .0775                                   | 74                         | 4250            | 3200        | 20           | 15              | 6600            | 4950                       | 30              | 23          | 150           | 9300            | 6980            | 45                         | 35          | 180          | 11230           | 8450            | 30           | 33          |
| 3/8-24                | .0878                                   | 74                         | 4800            | 3620        | 23           | 17              | 7450            | 5600                       | 35              | 25          | 150           | 10500           | 7900            | 50                         | 35          | 180          | 12730           | 9550            | 35           | 38          |
| 7/16-14               | .1063                                   | 74                         | 5850            | 4380        | 32           | 24              | 9050            | 6780                       | 50              | 35          | 150           | 12800           | 9550            | 70                         | 50          | 180          | 15410           | 11550           | 55           | 60          |
| 7/16-20               | .1187                                   | 74                         | 6550            | 4900        | 36           | 27              | 10100           | 7570                       | 55              | 40          | 150           | 14200           | 10650           | 80                         | 60          | 180          | 17210           | 12900           | 60           | 65          |
| 1/2-13                | .1419                                   | 74                         | 7800            | 5850        | 50           | 35              | 12100           | 9050                       | 75              | 55          | 150           | 17000           | 12750           | 110                        | 80          | 180          | 20570           | 15450           | 85           | 95          |
| 1/2-20                | .1599                                   | 74                         | 8800            | 6600        | 55           | 40              | 13600           | 10200                      | 85              | 65          | 150           | 19200           | 14400           | 120                        | 90          | 180          | 23180           | 17400           | 95           | 105         |
| 9/16-12               | .1820                                   | 74                         | 10000           | 7500        | 70           | 55              | 15500           | 11600                      | 110             | 80          | 150           | 21800           | 16350           | 150                        | 110         | 180          | 26390           | 19800           | 120          | 140         |
| 9/16-18               | .2030                                   | 74                         | 11200           | 8400        | 80           | 60              | 17300           | 12950                      | 120             | 90          | 150           | 24400           | 18250           | 170                        | 130         | 180          | 29430           | 22100           | 135          | 150         |
| 5/8-11                | .226                                    | 74                         | 12400           | 9320        | 100          | 75              | 19200           | 14400                      | 150             | 110         | 150           | 27100           | 20350           | 210                        | 160         | 180          | 32770           | 24550           | 170          | 185         |
| 5/8-18                | .256                                    | 74                         | 14100           | 10560       | 110          | 85              | 21800           | 16350                      | 170             | 130         | 150           | 30700           | 23000           | 240                        | 180         | 180          | 37120           | 27800           | 190          | 205         |
| 3/4-10                | .334                                    | 74                         | 18400           | 13800       | 175          | 130             | 28400           | 21300                      | 260             | 200         | 150           | 40100           | 30100           | 380                        | 280         | 180          | 48430           | 36350           | 265          | 290         |
| 3/4-16                | .373                                    | 74                         | 20500           | 15390       | 200          | 140             | 31700           | 23780                      | 300             | 220         | 150           | 44800           | 33500           | 420                        | 310         | 180          | 54080           | 40600           | 330          | 355         |
| 7/8-9                 | .462                                    | 60                         | 15200           | 11430       | 170          | 125             | 19300           | 29450                      | 430             | 320         | 150           | 55400           | 41600           | 600                        | 450         | 180          | 66990           | 50300           | 475          | 505         |
| 7/8-14                | .509                                    | 60                         | 16800           | 12600       | 180          | 140             | 21200           | 32450                      | 470             | 350         | 150           | 61100           | 45800           | 670                        | 500         | 180          | 73800           | 55400           | 520          | 585         |
| 1-8                   | .606                                    | 60                         | 20000           | 15000       | 250          | 190             | 25100           | 38600                      | 640             | 480         | 150           | 72700           | 54500           | 910                        | 680         | 180          | 87870           | 65900           | 550          | 775         |
| 1-14                  | .679                                    | 60                         | 22400           | 16800       | 280          | 210             | 27700           | 43300                      | 720             | 540         | 150           | 81500           | 61100           | 1020                       | 760         | 180          | 98450           | 73800           | 700          | 900         |
| 1 1/8-7               | .763                                    | 60                         | 25200           | 18900       | 350          | 270             | 30600           | 47500                      | 890             | 670         | 150           | 91600           | 68700           | 1290                       | 970         | 180          | 110630          | 83000           | 1025         | 1150        |
| 1 1/8-12              | .856                                    | 60                         | 28200           | 21200       | 400          | 300             | 33300           | 53800                      | 1120            | 840         | 150           | 102700          | 77000           | 1440                       | 1080        | 180          | 124120          | 93100           | 1150         | 1325        |
| 1 1/4-7               | .969                                    | 60                         | 32000           | 24000       | 500          | 380             | 37100           | 59600                      | 1400            | 1000        | 150           | 116300          | 87200           | 1820                       | 1360        | 180          | 140500          | 105400          | 1400         | 1600        |
| 1 1/4-12              | 1.073                                   | 60                         | 35400           | 26550       | 550          | 420             | 39400           | 65900                      | 1500            | 1100        | 150           | 128800          | 96600           | 2010                       | 1510        | 180          | 155580          | 116700          | 1600         | 1750        |
| 1 1/2-6               | 1.405                                   | 60                         | 46400           | 34800       | 870          | 650             | 50400           | 87800                      | 1950            | 1460        | 150           | 168600          | 126500          | 3160                       | 2370        | 180          | 203720          | 152800          | 2900         | 3250        |
| 1 1/2-12              | 1.581                                   | 60                         | 52200           | 39150       | 980          | 730             | 56200           | 97700                      | 2200            | 1640        | 150           | 189700          | 142200          | 3560                       | 2670        | 180          | 229240          | 171900          | 3300         | 3650        |

NOTES: The above recommended assembly torques are offered as a guide only. Torque specifications, especially for critical joints, should be determined under actual assembly conditions due to the many variables involved which are difficult to predict and do affect the torque-tension relationship. The above recommended clamp loads are based on 75% of the minimum specified proof loads for each grade and size.

**Torques for Grades 2, 5, and 8 were calculated based on the following relation-ship:**  
T = RDP

Where:  
T = Torque (in.-lbs)  
D = Nominal Diameter (in.)  
P = Clamp Load (lbs.)  
R = Tightening Coefficient

The value of R is assumed to be equal to .20 for dry unplated conditions and equal to .15 for lubricated, including plated, conditions. Actual values of R can vary between .05 and .35 for commonly encountered conditions. FASBELLOY System torque values are for a nut, bolt, and two washer assembly, not for screws used in tapped holes; and were developed through laboratory testing of representative samples. As such, they are average values which when used under actual assembly conditions can be expected to produce clamploads within ± 15% of the recommended values.



| Strength Grade | Applicable Sizes        | Proof Load Stress (psi) | Yield Strength Min. Stress (psi) | Tensile Strength Min. Stress (psi) |
|----------------|-------------------------|-------------------------|----------------------------------|------------------------------------|
| SAE Gr2        | 1/4" A 3/4" dia.        | 55,000                  | 57,000                           | 74,000                             |
|                | plus 3/4" A 1-1/2" dia. | 33,000                  | 36,000                           | 60,000                             |
| SAE Gr5        | plus 5/8" long          | 33,000                  | 36,000                           | 60,000                             |
|                | 1/4" A 1" dia.          | 85,000                  | 92,000                           | 120,000                            |
| SAE Gr8        | plus 1" A 1-1/2" dia.   | 74,000                  | 81,000                           | 105,000                            |
|                | 1/4" A 1-1/2" dia.      | 120,000                 | 130,000                          | 150,000                            |
| Fasbelloy      | 1/4" A 1-1/2" dia.      | 145,000                 | 155,000                          | 180,000                            |

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