

## Extended-Length U-Bolts

- Include 4 nuts

| Thread Thread Inside Size Length Length Finish |  |  | em | . |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | No. | Qty. |
| 304 Stainless Steel |  |  |  |  |
| 1/2 in Pipe Size, $7 / 8^{\prime \prime}$ Inside Width |  |  |  |  |
| 1/4"-20 | $2^{1 / 22^{1}}$ | $2^{15 / 16^{11}}$ Plain | 5ZA76 | 1 |
| 1/2 in Pipe Size, ${ }^{15} / 1^{16}$ Inside Width |  |  |  |  |
| 3/8"-16 |  | $3^{11}$ Plain | 5ZA82 | 1 |
| 3/4 in Pipe Size, 11/8" Inside Width |  |  |  |  |
| 1/4"-20 | $2^{1 / 2}{ }^{\text {a }}$ | 33/16" Plain | 5ZA78 | 1 |
| 3/8"-16 | $2^{3 / 8^{10}}$ | 35/16" Plain | 5ZA84 | 1 |
| 1 in Pipe Size, $1^{3 / 8^{\prime \prime}}$ Inside Width |  |  |  |  |
| 1/4"-20 | $2^{1 / 2}{ }^{11}$ | 37/16" Plain | 5ZA80 | 1 |
| 3/8"-16 | $23 / 8^{10}$ | 37/16" ${ }^{11}$ Plain | 5ZA86 | 1 |
| $11 / 4$ in Pipe Size, $1^{11 / 16^{11}}$ Inside Width |  |  |  |  |
| $3 / 8 \mathrm{c}-16$ | $23 / 8^{\text {" }}$ | $3^{23 / 32^{11}}$ Plain | 5ZA88 | 1 |
| $11 / 2$ in Pipe Size, ${ }^{\prime \prime}$ " Inside Width |  |  |  |  |
| 3/8"-16 | $21 / 2^{11}$ | $4^{\prime \prime}$ Plain | 5ZA90 | 1 |
| 2 in Pipe Size, 27/16" Inside Width |  |  |  |  |
| 3/8"-16 | $2^{1 / 210}$ | 47/16 ${ }^{11}$ Plain | 5ZA92 | 1 |
| $21 / 2$ in Pipe Size, ${ }^{15 / 16 " ~ I n s i d e ~ W i d t h ~}$ |  |  |  |  |
| 1/2"-13 | $3^{\prime \prime}$ | 57/3211 Plain | 5ZA94 | 1 |
| 3 in Pipe Size, $39 / 11^{\prime \prime}$ Inside Width |  |  |  |  |
| 1/2"-13 | 3 " | 53/4" Plain | 5ZA96 | 1 |
| 4 in Pipe Size, 4911" Inside Width |  |  |  |  |
| 1/2"-13 | $3^{\text {" }}$ | $63 / 4^{\text {" }}$ Plain | 5ZB10 | 1 |
| 5 in Pipe Size, 55/8" Inside Width |  |  |  |  |
| 1/2"-13 | 3 " | $713 / 16^{11}$ Plain | 5ZB12 | 1 |
| 6 in Pipe Size, 63/4" Inside Width |  |  |  |  |
| $5 / 88^{\prime \prime}-11$ | 33/4" | 911/2" Plain | 5ZB14 | 1 |
| 8 in Pipe Size, $83 / 4^{\prime \prime}$ Inside Width |  |  |  |  |
| 5/8-11 | $33 / 4^{\text {" }}$ | 111/8" ${ }^{\prime \prime}$ Plain | 5ZB16 | 1 |
| 10 in Pipe Size, 107/8" Inside Width |  |  |  |  |
| $3 / 4{ }^{\prime \prime}-10$ | 4" | $13^{13 / 16^{\prime \prime}}$ Plain | 5ZB18 | 1 |
| 12 in Pipe Size, 127/8" Inside Width |  |  |  |  |
| 7/8"-9 | $41 / 4^{\prime \prime}$ | 161/16" Plain | 5ZB20 | 1 |
| 14 in Pipe Size, 141/8" Inside Width |  |  |  |  |
| 7/8"-9 | 41/4" | 175/16" Plain | 5ZB22 | 1 |
| Steel |  |  |  |  |
| 1/2 in Pipe Size, 7/8" Inside Width |  |  |  |  |
| 1/4"-20 | $2^{1 / 22^{\prime \prime}}$ | $2^{15 / 16^{11}}$ Plain | 5YY86 | 5 |
|  | 21/2" | 215/16" Zinc | 5ZA36 | 5 |
|  | $21 / 2^{\prime \prime}$ | 215/16" GALV | 31KF33 | 1 |
|  | 21/2" | 215/16" Zinc | 32TG74 | 5 |
| 1/2 in Pipe Size, ${ }^{15} / 1^{\prime \prime}$ " Inside Width |  |  |  |  |
| 3/8"-16 | $23 / 8{ }^{18}$ | $3^{\prime \prime}$ GALV | 31KF34 | 1 |
|  | $23 / 8{ }^{\text {" }}$ | 3" Zinc | 32TG77 | 5 |
| $3 / 4$ in Pipe Size, $1^{1 / 8^{\prime \prime}}$ Inside Width |  |  |  |  |
| 1/4"-20 | $21 / 2^{\text {" }}$ | 33/16" Plain | $5 \mathrm{YY88}$ | 5 |
|  | $21 / 2^{\prime \prime}$ | 33/16" Zinc | 32TG75 | 5 |
| 3/8"-16 | $23 / 8{ }^{\prime \prime}$ | $35 / 16^{\prime \prime} \quad \begin{aligned} & \text { Zinc } \\ & \text { Plated } \end{aligned}$ | 32TG78 | 5 |
|  | 23/8" | 35/16" Plain | 32TH35 | 5 |
| 1 in Pipe Size, $1^{3 / 8^{\prime \prime}}$ Inside Width |  |  |  |  |
| 1/4"-20 | $21 / 2^{11}$ | 37/16" Plain | 5 YY 90 | 5 |
|  | $21 / 2^{\prime \prime}$ | $37 / 16^{\prime \prime} \quad \begin{aligned} & \text { Zinc } \\ & \text { Plated } \end{aligned}$ | 32TG76 | 5 |
| $3 / 8 "-16$ |  | 37/16" Zinc | 5ZA46 | 5 |
|  | $23 / 8^{11}$ | 37/16" GALV | 31KF35 | 1 |
|  | $23 / 8{ }^{\text {" }}$ | 37/16" Pinc | 32TG79 | 5 |
|  | 23/8" | 37/16"1 Plain | 32TH36 | 5 |
| $11 / 4$ in Pipe Size, $1^{11 / 16^{\prime \prime}}$ Inside Width |  |  |  |  |
|  | $23 / 8^{10}$ | 323/3" ${ }^{11}$ GALV | 31KF36 | 1 |
| $3 / 8{ }^{\text {" }}$-16 | $23 / 8{ }^{\prime \prime}$ | $323 / 32^{2 \prime} \begin{gathered} \text { Zinc } \\ \text { Plated } \end{gathered}$ | 32TG80 | 5 |
|  | $23 / 8{ }^{\prime \prime}$ | 323/32" Plain | 32TH37 | 5 |

 $3 / 8^{\prime \prime}-16 \quad 2^{1 / 22^{\prime \prime}} \quad 4^{\prime \prime} \quad \begin{gathered}\text { Zinc } \\ \text { Plated }\end{gathered} \quad 32$ TG81

$$
2^{1 / 22^{\prime \prime}} \quad 4^{\prime \prime} \quad \text { Plain } 32 \text { TH38 }
$$

2 in Pipe Size, $\mathbf{2}^{7 / 16^{11}}$ Inside Width
 $\begin{array}{llll}3 / 8^{\prime \prime}-16 & 21 / 2^{\prime \prime} & 47 / 16^{\prime \prime} & \text { Zinc } \\ \text { Plated } & 32 T G 82\end{array}$

$2^{1 / 22^{\prime \prime}} 47 / 16^{\prime \prime}$ Plain 32TH39 $21 / 2$ in Pipe Size, $\mathbf{2}^{15} / 16^{11}$ Inside Width |  | $3^{\prime \prime}$ | $57 / 32^{\prime \prime}$ | GALV | 31KF39 |
| :--- | :--- | :--- | :--- | :--- |
|  | $3^{\prime \prime}$ | $57 / 32^{\prime \prime}$ | Zinc | Plated |
|  | $32 T G 83$ |  |  |  |

3 in Pipe Size, $3^{3 / 16^{\prime \prime}}$ Inside Width | $1 / 2 "-13$ | $3^{\prime \prime}$ | $53 / 4^{\prime \prime}$ | Zinc | 31KF40 | 1 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | $3^{\prime \prime}$ | $53 /{ }^{\prime \prime}$ | GALV | 32TG84 | 5 | 3 $\quad 3 \times 1$ Plated 32 TG84 $3^{1 / 2}$ in Pipe Size, $4^{11 / 16^{\prime \prime}}$ Inside Width

|  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $3 "$ | 61/4" | Zinc Plated | 5ZA58 |
| 13 | $3^{\prime \prime}$ | 61/4" | GALV | 31KF41 |
|  | 3 " | 61/4" | Zinc Plated | 32TG85 |
|  | 3 " | 61/4" | Plain | 32TH42 | 4 in Pipe Size, $49 / 16^{\prime \prime}$ Inside Width | $1 / 2 "-13$ | $3^{\prime \prime}$ | $63 / 4^{\prime \prime}$ | GALV | 31KF42 | 1 |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | $3^{\prime \prime}$ | $63 / 4^{\prime \prime}$ | Zinc | 32TG86 | 5 | $\begin{array}{lllll}1 / 2-13 & 3^{\prime \prime} & 63 / 4^{\prime \prime} & \text { Plated } & 32 T G 86\end{array}$ | $3^{\prime \prime}$ | $63 / 4^{\prime \prime}$ | Plain 32TH43 5 |
| :--- | :--- | :--- | :--- | 5 in Pipe Size, $55 / 8^{\prime \prime}$ Inside Width $1 / 2 "-13$| $3^{\prime \prime}$ | $77^{13 / 16^{\prime \prime}}$ | Plated | 5ZA62 | 5 |
| :---: | :---: | :---: | :---: | :---: |
| $3^{\prime \prime}$ $713 / 16^{\prime \prime}$ GALV 31KF43 <br> $3^{\prime \prime}$ $7^{13 / 16^{\prime \prime}}$ Zinc 1  Plated | 32TG87 | 5 |  |  |

$$
\begin{array}{ccc}
3^{\prime \prime} & 713 / 11^{\prime \prime} & \text { Plain } \\
\text { ine Size } & 6^{3 / 4^{\prime \prime}} \text { Incide Winth }
\end{array}
$$ 6 in Pipe Size, $6^{3 / 3 / 4^{\prime \prime}}$ Inside Width $\begin{array}{lllll}5 / 8^{\prime \prime}-11 & 33 / 4^{\prime \prime} & 91 / 2^{\prime \prime} & \text { Zinc } & \text { Plated } \\ & 32 T G 88\end{array}$

8 in Pipe Size, $8^{3 / 4^{\prime \prime}}$ Inside Width

$33 / 4^{n} \quad 11 \frac{1 / 8^{n \prime}}{}$ GALV 31KF45 $\begin{array}{llll}5 / 8^{\prime \prime}-11 & 33 / 4^{\prime \prime} & 111 / 8 " & \text { Plated } \\ \text { 32TG89 }\end{array}$ $33 / 4^{41} 1118^{" 1}$ Plain 32TH46 10 in Pipe Size, 107/8" Inside Width $3 / 4^{\prime \prime-10}$|  | $4^{\prime \prime}$ | $1313 / 16^{\prime \prime}$ Plated | 32TG90 |
| :--- | :--- | :--- | :--- |
|  | $4^{\prime \prime}$ | $13^{13 / 16^{\prime \prime}}$ Plain | 32TH47 | 12 in Pipe Size, $127 / 8^{11}$ Inside Width $\begin{array}{lll}7 / 8^{"}-9 & 41 / 4^{\prime \prime} & 161 / 16^{\prime \prime} \text { Zinc } \\ \text { Plated } & \text { 32TG91 }\end{array}$

 14 in Pipe Size, $141 / 8^{\prime \prime}$ Inside Width $7 / 8^{\prime \prime}-9 \quad 41 / 4^{\prime \prime} \quad 175 / 16^{\prime \prime}$ Plated 32 Pinc 92 $\begin{array}{cccc}7 / 8^{-9} & 41 / 4^{\prime \prime} & 175 / 16^{\prime \prime} \text { Plain 32TH49 }\end{array}$ 16 in Pipe Size, $161^{1 / 8^{11}}$ Inside Width $\begin{array}{lllll}7 / 8^{\prime \prime}-9 & 41 / 4^{\prime \prime} & 195 / 16^{\prime \prime} & \text { Zinc } & \text { Plated } \\ & 32 \text { TG93 } & 1\end{array}$


 \begin{tabular}{cccccccccc}
$5 / 14{ }^{10}-24$ \& $21 / 4$ in \& $1 / 2$ in \& $1 / 2$ in \& $17 / 16$ in \& $11 / 3$ in \& $3 / 4$ in \& $5 / 16$ in \& $13 / 16$ in \& $19 / 32$ in <br>
\hline $3 / 8^{\prime \prime}-24$ \& $21 / 2$ in \& $5 / 8$ in \& $5 / 8$ in \& $15 / 8$ in \& $7 / 16$ in \& $7 / 8 / 8$ \& $3 / 8$ in \& $7 / 8$ in \& $11 / 16$ in <br>
\hline 4TAFF

 

$3 / 8^{\prime \prime}-24$ \& $21 / 2$ in \& $5 / 8$ in \& $5 / 8$ in \& $15 / 8$ in \& $7 / 16$ in \& $7 / 8$ in \& $3 / 8$ in \& $7 / 8$ in \& $11 / 16$ in <br>
\hline $1 / 2^{\prime \prime}-20$ \& 3 in \& $13 / 16$ in \& $13 / 16$ in \& $17 / 8$ in \& $9 / 16$ in \& $11 / 8$ in \& $1 / 2$ in \& $11 / 8$ in \& $15 / 16$ in <br>
4TAF2

 

$1 / 2 "-20$ \& 3 in \& $13 / 16$ in \& $13 / 16$ in \& $17 / 8$ in \& $9 / 16$ in \& $11 / 8$ in \& $1 / 2$ in \& $11 / 8$ in <br>
\& $15 / 16$ in \& 4TAF2 <br>
\hline $5 / 8^{\prime \prime}-18$ \& $4^{15 / 16}$ in \& $1^{11 / 16}$ in \& $11 / 16$ in $3^{11 / 16}$ in \& $11 / 16$ in \& $1^{3 / 8}$ in \& $5 / 8$ in \& $11 / 4$ in \& $13 / 16$ in <br>
4TAF3

 

$3 / 4^{\prime \prime}-16$ \& $61 / 16$ \& in \& $11 / 4$ in \& $11 / 4$ in \& $49 / 16$ in \& $13 / 16$ in \& $15 / 8$ in <br>
$3 / 4$ \& in \& $11 / 2$ in \& $17 / 16$ in \& 4TAF4 <br>
\hline
\end{tabular}

## KEDFORGING



Loads are based on a safety factor of 5-to-1.


| Thread Size | Working Load Limit (lb.) | Overall Height | Thread Length | Eye I.D. | Brand | Item No. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oval |  |  |  |  |  |  |
| 316 Stainless Steel Plain |  |  |  |  |  |  |
| 3/8-16 | 2700 | $21 / 2$ in | 5/8 in | $11 / 4$ in | Ken Forging | 3ZGZ2 |
| 1/2-13 | 2700 | $21 / 2$ in | $5 / 8$ in | $11 / 4$ in | Ken Forging | 3ZGZ3 |
| 5/8-11 | 5000 | 3 in | $3 / 4$ in | $11 / 2$ in | Ken Forging | 3ZGZ4 |
| $3 / 4-10$ | 5000 | 3 in | $3 / 4$ in | $11 / 2$ in | Ken Forging | 3ZGZ5 |
| Stainless Steel Plain |  |  |  |  |  |  |
| 1/4-20 | 520 | $1^{11 / 16}$ in | $3 / 8$ in | $3 / 4$ in | - | 2G756 |
| 5/16-18 | 840 | $1^{11 / 16}$ in | $3 / 8$ in | $3 / 4$ in | - | 2G758 |
| Steel Galvanized |  |  |  |  |  |  |
| 1/4-20 | 520 | $1^{11 / 16}$ in | 3/8 in | 3/4 in | - | 2G768 |
| 5/16-18 | 840 | $1^{11 / 16}$ in | $3 / 8$ in | $3 / 4$ in | - | 2G770 |
| 7/16-14 | 1700 | $21 / 2$ in | $5 / 8$ in | $11 / 4 \mathrm{in}$ | - | 2G774 |
| Steel Plain |  |  |  |  |  |  |
| 3/8-16 | 2700 | $21 / 2 \mathrm{in}$ | 5/8 in | $11 / 4$ in | Ken Forging | 3ZHF3 |
| 1/2-13 | 2700 | $21 / 2$ in | $5 / 8$ in | $11 / 4$ in | Ken Forging | 3ZHF4 |
| 5/8-11 | 5000 | 3 in | $3 / 4$ in | $11 / 2$ in | Ken Forging | 3ZHF5 |
| $3 / 4-10$ | 5000 | 3 in | $3 / 4$ in | $11 / 2$ in | Ken Forging | 3ZHF6 |
| 7/8-9 | 10,000 | 5 in | 1 in | $21 / 4$ in | Ken Forging | 3ZGL9 |
| 1-8 | 10,000 | 5 in | 1 in | $21 / 4$ in | Ken Forging | 3ZGN1 |
| 7/8-9 | 14,400 | $3^{31 / 32}$ in | $1^{11 / 32}$ in | $15 / 8$ in | Ken Forging | 3JWX9 |
| 1-8 | 18,800 | $4^{27 / 32}$ in | $1^{11 / 16}$ in | $13 / 4$ in | Ken Forging | 3ZGU8 |
| 11/4-7 | 29,400 | $65 / 8$ in | $27 / 32$ in | $21 / 2$ in | Ken Forging | 3ZGU9 |
| 11/2-6 | 35,600 | $65 / 8$ in | $27 / 32$ in | $21 / 2$ in | Ken Forging | 3ZGV1 |
| Round |  |  |  |  |  |  |
| A2 Stainless Steel Plain |  |  |  |  |  |  |
| M12 $\times 1.75 \mathrm{~mm}$ | - | 53 mm | 11 mm | 30 mm | - | 1ZU44 |
| $\mathrm{M} 10 \times 1.50 \mathrm{~mm}$ | Not Rated | 45 mm | 10 mm | 25 mm | - | 1ZU42 |
| M16 x 2 mm | Not Rated | 62 mm | 13 mm | 35 mm | - | 1ZU46 |
| Steel Zinc |  |  |  |  |  |  |
| M6 x 1mm | 154 | 36 mm | 8.5 mm | 20 mm | - | 1ZU24 |
| $\mathrm{M} 8 \times 1.25 \mathrm{~mm}$ | 308 | 36 mm | 8.5 mm | 20 mm | - | 1ZU26 |
| $\mathrm{M} 10 \times 1.50 \mathrm{~mm}$ | 506 | 45 mm | 10 mm | 25 mm | - | 1ZU28 |
| $\mathrm{M} 12 \times 1.75 \mathrm{~mm}$ | 748 | 53 mm | 11 mm | 30 mm | - | 1ZU30 |
| M16 x 2 mm | 1540 | 62 mm | 13 mm | 35 mm | - | 1ZU32 |
| $\mathrm{M} 20 \times 2.50 \mathrm{~mm}$ | 2640 | 71 mm | 16 mm | 40 mm | - | 1ZU34 |
| $\mathrm{M} 30 \times 3.50 \mathrm{~mm}$ | 7920 | 109 mm | 25 mm | 60 mm | - | 12U38 |

## Square-Bend U-Bolts

- Include 2 washers and 2 nuts


