

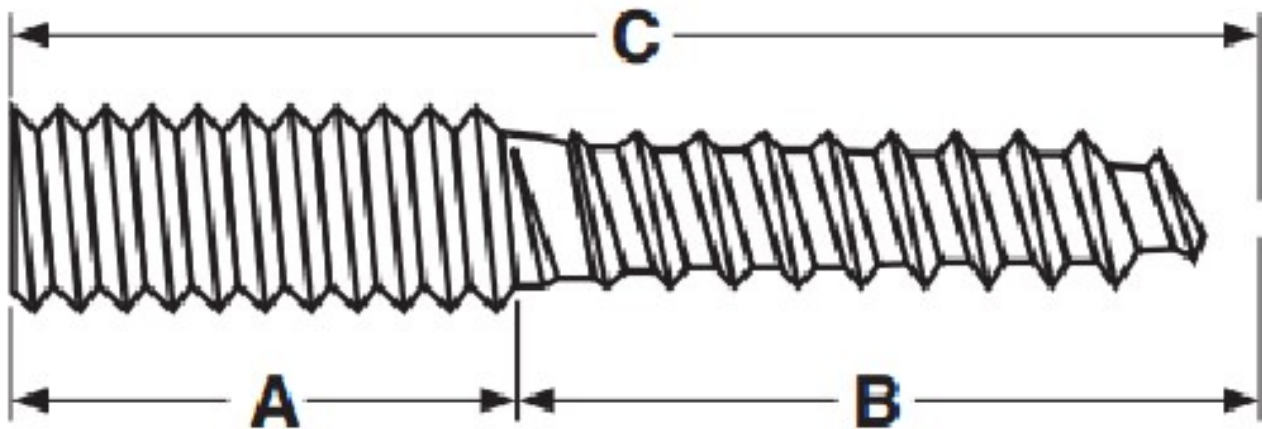
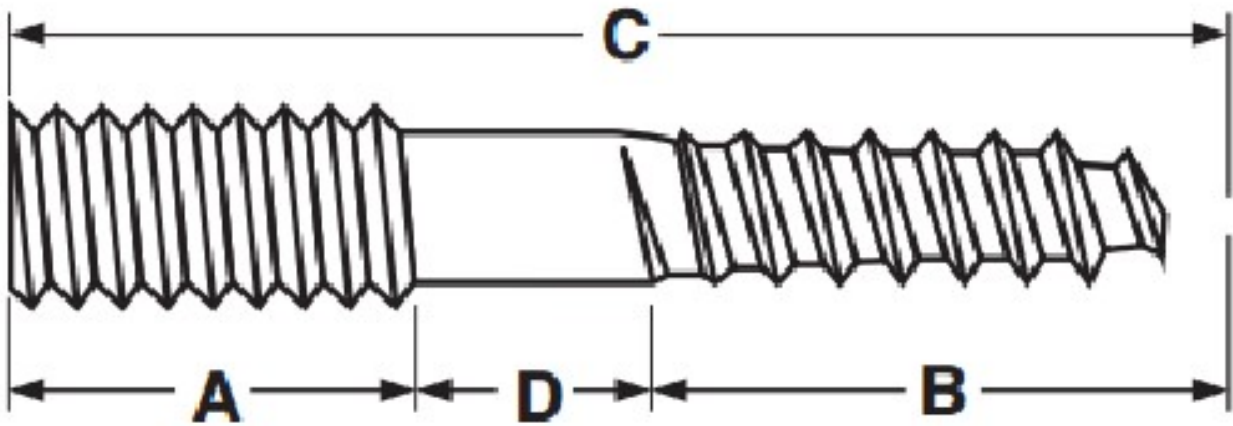


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## HANGER BOLTS





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| Dia. & Thread Pitch | C A B D         |                       |                   |              | Dia. & Thread Pitch | C A B D         |                       |                   |              | Dia. & Thread Pitch | C A B D         |                       |                   |              |
|---------------------|-----------------|-----------------------|-------------------|--------------|---------------------|-----------------|-----------------------|-------------------|--------------|---------------------|-----------------|-----------------------|-------------------|--------------|
|                     | Standard Length | Machine Thread Length | Lag Thread Length | Center Space |                     | Standard Length | Machine Thread Length | Lag Thread Length | Center Space |                     | Standard Length | Machine Thread Length | Lag Thread Length | Center Space |
| 6-32                | 5/8             | 1/4                   | 3/8               | -            | 1-1/4-20            | 2               | 1                     | 1                 | -            | 3/8-16              | 1-1/2           | 1/2                   | 1                 | -            |
|                     | 3/4             | 3/8                   | 3/8               | -            |                     | 2-1/4           | 1                     | 1-1/4             | -            |                     | 2               | 1                     | 1                 | -            |
|                     | 7/8             | 1/4                   | 5/8               | -            |                     | 2-1/2           | 1                     | 1-1/2             | -            |                     | 2-1/2           | 1                     | 1-1/2             | -            |
|                     | 1               | 3/8                   | 5/8               | -            |                     | 2-3/4           | 1-1/4                 | 1-1/2             | -            |                     | 3               | 1-1/2                 | 1-1/2             | -            |
| 8-32                | 5/8             | 1/4                   | 3/8               | -            |                     | 3               | 1-1/2                 | 1-1/2             | -            |                     | 3-1/2           | 1-1/2                 | 2                 | -            |
|                     | 3/4             | 3/8                   | 3/8               | -            |                     | 3-1/2           | 1-1/2                 | 2                 | -            |                     | 4               | 2                     | 2                 | -            |
|                     | 7/8             | 1/4                   | 5/8               | -            |                     | 4               | 2                     | 2                 | -            |                     | 4-1/2           | 1-1/8                 | 3                 | 3/8          |
|                     | 1               | 3/8                   | 5/8               | -            |                     | 4-1/2           | 1-1/8                 | 3                 | 3/8          |                     | 5               | 1-3/8                 | 3                 | 5/8          |
|                     | 1-1/4           | 5/8                   | 5/8               | -            |                     | 5               | 1-3/8                 | 3                 | 5/8          |                     | 5-1/2           | 1-1/2                 | 3                 | 1            |
|                     | 1-1/2           | 5/8                   | 7/8               | -            |                     | 6               | 1-1/2                 | 3                 | 1-1/2        |                     | 6               | 1-1/4                 | 3                 | 1-3/4        |
|                     | 1-3/4           | 3/4                   | 1                 | -            | 5/16-18             | 1-1/2           | 5/8                   | 7/8               | -            |                     | 8               | 2-1/2                 | 3                 | 2-1/2        |
| 2                   | 1               | 1                     | -                 | 1-3/4        |                     | 3/4             | 1                     | -                 | 10           |                     | 2-1/2           | 3                     | 4-1/2             |              |
| 10-24               | 1               | 3/8                   | 5/8               | -            |                     | 2               | 1                     | 1                 | -            |                     | 12              | 2-1/2                 | 3                 | 6-1/2        |
|                     | 1-1/4           | 5/8                   | 5/8               | -            |                     | 2-1/4           | 1                     | 1-1/4             | -            |                     | 14              | 2-1/2                 | 3                 | 8-1/2        |
|                     | 1-1/2           | 5/8                   | 7/8               | -            |                     | 2-1/2           | 1                     | 1-1/2             | -            | 1/2-13              | 3               | 1                     | 2                 | -            |
|                     | 1-3/4           | 3/4                   | 1                 | -            |                     | 2-3/4           | 1-1/4                 | 1-1/2             | -            |                     | 3-1/2           | 1-1/2                 | 2                 | -            |
|                     | 2               | 1                     | 1                 | -            |                     | 3               | 1-1/2                 | 1-1/2             | -            |                     | 4               | 2                     | 2                 | -            |
|                     | 2-1/2           | 1                     | 1-1/2             | -            |                     | 3-1/2           | 1-1/2                 | 2                 | -            |                     | 5               | 2                     | 3                 | -            |
|                     | 3               | 1-1/2                 | 1-1/2             | -            |                     | 3-3/4           | 1-3/4                 | 2                 | -            |                     | 6               | 2-1/2                 | 3                 | 1/2          |
| 3-1/2               | 1-1/2           | 2                     | -                 | 4            |                     | 2               | 2                     | -                 | 8            |                     | 2-1/2           | 3                     | 2-1/2             |              |
| 1/4-20              | 1               | 3/8                   | 5/8               | -            | 4-1/2               | 1-1/8           | 3                     | 3/8               | 10           |                     | 2-1/2           | 3                     | 4-1/2             |              |
|                     | 1-1/4           | 5/8                   | 5/8               | -            | 5                   | 1-3/8           | 3                     | 5/8               | 12           | 2-1/2               | 3               | 6-1/2                 |                   |              |
|                     | 1-1/2           | 5/8                   | 7/8               | -            | 5-1/2               | 1-1/2           | 3                     | 1                 | 1/2-13       | 3                   | 1               | 2                     | -                 |              |
|                     | 1-3/4           | 3/4                   | 1                 | -            | 6                   | 1-1/2           | 3                     | 1-1/2             |              | 4                   | 2               | 2                     | -                 |              |

Tolerance on Length

Up to 6": +/- 1/16"

Over 6": +/- 1/8"

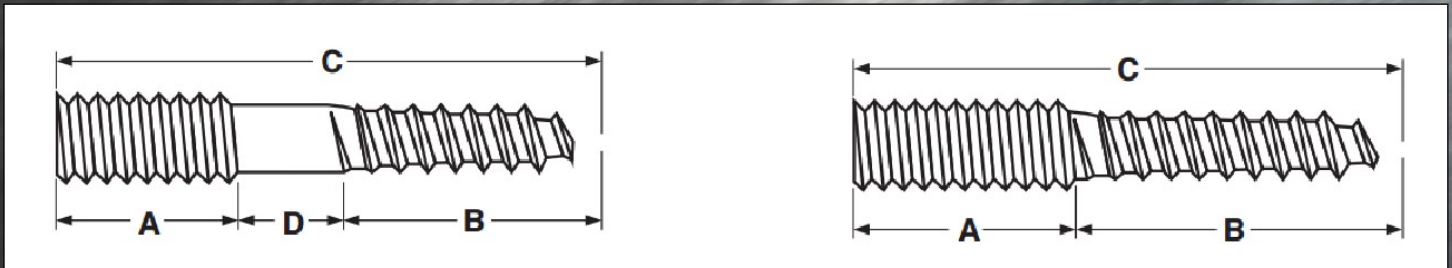


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## HANGER BOLTS



**DESCRIPTION:** Bolt with a threaded area at both ends — lag screw thread at one end and unified thread at the other. Standard hanger bolts are designed for insertion into a predrilled pilot hole. The end of the wood thread is designed as a taper which is threaded all the way to its blunt tip.

**APPLICATIONS/ADVANTAGES:** Designed to hang material from wooden structures. The lag is wrenched into the wood and the assembly is completed after applying a nut. Used for suspending electrical wiring and sheet metal. Also common in the furniture industry.

**MATERIAL:** *Steel:* AISI 1008 & 1010 steel *Stainless:* Type 303 or 304 stainless steel

**CASE HARDNESS (STEEL ONLY):** #10 through 1/2 in. diameter, all lengths: Rockwell B80—B100

**TENSILE STRENGTH:** #10 through 1/2 in. diameter, all lengths: 74,000 psi minimum (applies only to stresses applied to all the unified thread-side of the fastening)