# VALTOR Fastener Standards Cross-Reference

*Publication-ready buyer reference • Reviewed through 2026-10-01*

Important: Cross-reference does not guarantee interchangeability. Confirm dimensions, tolerances, head geometry, thread series, material and mechanical requirements before substitution.

| Category | Product / Item | DIN / Buyer Ref. | GB/T | ANSI/ASME | JIS | Current ISO / Related Ref. |
|---|---|---|---|---|---|---|
| **BOLTS&SCREWS** | **Hexagon head bolts — product grade C** | **601** | **5780-2025** | **B18.2.1-2012 (R2021, inch related)** | | **4016:2022** |
| | Hexagon head bolts — product grades A & B, partially threaded | 931 | 5782-2025 | B18.2.1-2012 (R2021, inch related) | B 1180:2014 | 4014:2022 |
| | Hexagon head screws / bolts — product grades A & B, fully threaded | 933 | 5783-2025 | B18.2.1-2012 (R2021, inch related) | B 1180:2014 | 4017:2022 |
| | Cup head square neck bolts / carriage bolts, product grade C | 603 | 12-2013 | B18.5-2012 (R2023, inch related) | | |
| | Cup head square neck bolts with small head and short neck — product grade B | | 801-2021 | B18.5.2.1M-2006 (R2011, metric related) | | 8678:1988 |
| | Hexagon socket head cap screws | 912 | 70.1-2008 | B18.3-2026 (inch related) | B 1176:2014 | 4762:2004 |
| | Hexagon socket set screws with flat point | 913 | 77-2007 | B18.3-2026 (inch related) | | 4026:2026 |
| | Hexagon socket set screws with cup point | 916 | 80-2007 | B18.3-2026 (inch related) | | 4029:2026 |
| | Hexagon socket head cap screws with low head and reduced loadability | 7984 | | B18.3-2026 (inch related) | | |
| | Hexagon socket countersunk head screws with reduced loadability | 7991 | 70.3-2023 | B18.3-2026 (inch related) | | 10642:2026 |
| | Slotted cheese head screws — product grade A | 84 | 65-2016 | B18.6.3-2024 (inch related) | B 1101:2017 | 1207:2011 |
| | Slotted pan head screws — product grade A | 85 | 67-2016 | B18.6.3-2024 (inch related) | B 1101:2017 | 1580:2011 |
| | Slotted countersunk flat head screws — product grade A | 963 | 68-2016 | B18.6.3-2024 (inch related) | B 1101:2017 | 2009:2011 |
| | Pan head screws with cross recess — product grade A | 7985 | 818-2016 | B18.6.3-2024 (inch related) | B 1111:2017 | 7045:2011 |
| | Countersunk flat head screws with cross recess — product grade A | 965 | 819.1-2016 / 819.2-2016 | B18.6.3-2024 (inch related) | B 1111:2017 | 7046-1:2011 / 7046-2:2011 |
| | Raised countersunk head screws with cross recess — product grade A | 966 | 820-2015 | B18.6.3-2024 (inch related) | B 1111:2017 | 7047:2011 |
| | Slotted countersunk (flat) head tapping screws | 7972 | 5283-2017 | B18.6.3-2024 (inch related) | | 1482:2011 |
| | Cross-recessed pan head tapping screws | 7981 | 845-2017 | B18.6.3-2024 (inch related) | B 1122:2015 | 7049:2011 |
| | Cross-recessed countersunk (flat) head tapping screws | 7982 | 846-2017 | B18.6.3-2024 (inch related) | B 1122:2015 | 7050:2011 |

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| | Hexagon head wood screws | 571 | 102-1986 | B18.6.1-1981 (S2021, inch related) | | |
| | Lifting eye bolts | 580 | 825-1988 | | | 3266:2010 (related, not equivalent) |
| | Eye bolts / swing bolts | 444 | 798-2021 | | | |
| | Masonry and foundation bolts | 529 | 799-2020 | | | |
| | U-bolts / steel straps for tubes | 3570 | | B18.31.5-2011 (R2021, inch related) | | |
| **STUDS&RODS** | **Threaded rods / stud bolts with continuous metric thread** | **976-1** | **15389-2025** | **B18.31.2-2014 (R2019, inch related)** | | |
| | Double-end studs — metal end ≈ 1d / 1.25d / 2d | 938 / 939 / 835 | 897-1988 / 898-1988 / 900-1988 | B18.31.2-2014 (R2019, inch related) | | |
| **NUTS** | **Hexagon regular nuts (style 1) — coarse / fine pitch** | **934** | **6170-2015 / 6171-2016** | **B18.2.2-2022 (inch related)** | **B 1181:2014** | **4032:2023 (coarse) / 8673:2023 (fine)** |
| | Hexagon thin nuts (style 0), chamfered | 439-2 | 6172.1-2016 | B18.2.2-2022 (inch related) | B 1181:2014 | 4035:2023 |
| | Hexagon thin / jam nuts (legacy DIN 936) | 936 | | | | 4035:2023 / 8675:2023 |
| | Hexagon nuts with flange, style 2 — coarse pitch | 6923 | 6177.1-2016 | B18.2.2-2022 (inch related) | | 4161:2012 |
| | Prevailing torque hexagon nuts with non-metallic insert (legacy DIN 982) | 982 | 889.1-2015 (coarse) | | | 7040:2025 (coarse) / 10512:2025 (fine) |
| | Prevailing torque hexagon thin nuts with non-metallic insert | 985 | 6172.2-2016 | | | 10511:2025 |
| | All-metal prevailing torque hexagon nuts (legacy DIN 980) | 980 | | | | 7042:2025 (coarse) / 10513:2025 (fine) |
| | Prevailing torque hexagon high nuts (all metal) | 6925 | 6185.1-2016 | | | 7042:2025 |
| | Hexagon cap nuts, high type | 1587 | 923-2009 | | | |
| | Wing nuts, rounded wings | 315 | 62.1-2004 | B18.6.9-2010 (S2022, inch) | | |
| | Square weld nuts | 928 | 13680-1992 | | | |
| | Hexagon weld nuts | 929 | 13681-1992 | | | |
| | Square nuts, product grade C | 557 | 39-1988 | | | |
| | Square thin nuts, product grade B | 562 | | | | |
| | Rolling-bearing locknuts | 981 | 812-1988 | | | 2982-2:2013 |
| | Lifting eye nuts | 582 | | | | |
| | Hexagon slotted and castle nuts, product grades A & B | 935-1 | 6178-1986 | | | |
| **RIVETS&PINS** | **Round head rivets** | **660** | **867-1986** | | | |
| | Countersunk head rivets | 661 | 869-1986 | | | |
| | Flat round head rivets | 674 | 871-1986 | | | |
| | Spring-type straight pins, slotted, heavy duty | 1481 | 879.1-2018 | B18.8.2-2020 (inch related) | | 8752:2009 |
| | Split pins (cotter pins) | 94 | 91-2000 | B18.8.1-2014 (R2025, inch related) | | 1234:1997 |
| | Taper pins | 1 | 117-2000 | B18.8.2-2020 (inch related) | | 2339:1986 |
| | Parallel pins (unhardened) | 7 | 119.1-2000 | B18.8.2-2020 (inch related) | | 2338:1997 |

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| **WASHERS&RINGS** | **Plain washers — product grade A** | **125** | **97.1-2002** | **7089:2000** |
| | Small series washers — product grade A | 433 | 848-2002 | 7092:2000 |
| | Large series washers | 9021 | 96.1-2002 / 96.2-2002 | 7093-1:2000 / 7093-2:2000 |
| | Washers with square hole for timber constructions | 440 | | |
| | Plain washers for bolts with heavy clamping sleeves | 7349 | | |
| | Square washers | 436 | | |
| | Spring lock washers, square ends | 127 | 93-2025 | |
| | Wave spring washers | 137-B | 955-1987 | |
| | Curved spring lock washers | 128-A | 7245-1987 | |
| | Toothed lock washers — internal / external teeth | 6797 | 861.1-1987 / 862.1-1987 | |
| | Serrated lock washers — internal / external teeth | 6798 | 861.2-1987 / 862.2-1987 | |
| | Retaining rings for bores | 472 | 893-2017 | |
| | Retaining rings for shafts | 471 | 894-2017 | |
| **CLAMPS** | **Hose clamps** | **3017-1/-2/-3/-4/-5** | | |