

Wrench sizes for bolts and nuts with a hexagon head in Din Metric.

| Size | Wrench size | Thread | Size | Wrench size | Thread |
|------|-------------|--------|------|-------------|--------|
| M3 | 5.5 mm. | 0.5 | M18 | 27 mm. | 2.5 |
| M4 | 7 mm. | 0.7 | M20 | 30 mm. | 2.5 |
| M5 | 8 mm. | 0.8 | M22 | 30 mm. | 2.5 |
| M6 | 10 mm. | 1.0 | M24 | 36 mm. | 3.0 |
| M8 | 13 mm. | 1.25 | M27 | 41 mm. | 3.0 |
| M10 | 17 mm. | 1.5 | M30 | 46 mm. | 3.5 |
| M12 | 19 mm. | 1.75 | M33 | 50 mm. | 3.5 |
| M14 | 22 mm. | 2.0 | M36 | 55 mm. | 4.0 |
| M16 | 24 mm. | 2.0 | | | |

**Hexagon head full threaded bolts according to Din 933 in Stainless Steel A4 (316)**

| Number | Size | Number | Size | Number | Size |
|--------------|----------|--------------|-----------|--------------|-----------|
| 14933A403010 | M3 x 10 | 14933A408030 | M8 x 30 | 14933A412055 | M12 x 55 |
| 14933A403012 | M3 x 12 | 14933A408035 | M8 x 35 | 14933A412060 | M12 x 60 |
| 14933A403016 | M3 x 16 | 14933A408040 | M8 x 40 | 14933A412065 | M12 x 65 |
| 14933A403020 | M3 x 20 | 14933A408045 | M8 x 45 | 14933A412070 | M12 x 70 |
| 14933A403025 | M3 x 25 | 14933A408050 | M8 x 50 | 14933A412080 | M12 x 80 |
| 14933A403030 | M3 x 30 | 14933A408055 | M8 x 55 | 14933A412090 | M12 x 90 |
| 14933A403040 | M3 x 40 | 14933A408060 | M8 x 60 | 14933A412100 | M12 x 100 |
| 14933A404010 | M4 x 10 | 14933A408065 | M8 x 65 | 14933A412110 | M12 x 110 |
| 14933A404012 | M4 x 12 | 14933A408070 | M8 x 70 | 14933A412120 | M12 x 120 |
| 14933A404016 | M4 x 16 | 14933A408080 | M8 x 80 | 14933A412130 | M12 x 130 |
| 14933A404020 | M4 x 20 | 14933A408090 | M8 x 90 | 14933A412140 | M12 x 140 |
| 14933A404025 | M4 x 25 | 14933A408100 | M8 x 100 | 14933A412150 | M12 x 150 |
| 14933A404030 | M4 x 30 | 14933A408110 | M8 x 110 | 14933A412160 | M12 x 160 |
| 14933A404035 | M4 x 35 | 14933A408120 | M8 x 120 | 14933A412180 | M12 x 180 |
| 14933A404040 | M4 x 40 | 14933A408140 | M8 x 140 | 14933A412200 | M12 x 200 |
| 14933A404050 | M4 x 50 | 14933A408160 | M8 x 160 | 14933A414025 | M14 x 25 |
| 14933A404060 | M4 x 60 | 14933A408180 | M8 x 180 | 14933A414030 | M14 x 30 |
| 14933A405010 | M5 x 10 | 14933A410012 | M10 x 12 | 14933A414035 | M14 x 35 |
| 14933A405012 | M5 x 12 | 14933A410016 | M10 x 16 | 14933A414040 | M14 x 40 |
| 14933A405016 | M5 x 16 | 14933A410020 | M10 x 20 | 14933A414045 | M14 x 45 |
| 14933A405020 | M5 x 20 | 14933A410025 | M10 x 25 | 14933A414050 | M14 x 50 |
| 14933A405025 | M5 x 25 | 14933A410030 | M10 x 30 | 14933A414060 | M14 x 60 |
| 14933A405030 | M5 x 30 | 14933A410035 | M10 x 35 | 14933A414070 | M14 x 70 |
| 14933A405035 | M5 x 35 | 14933A410040 | M10 x 40 | 14933A414080 | M14 x 80 |
| 14933A405040 | M5 x 40 | 14933A410045 | M10 x 45 | 14933A414090 | M14 x 90 |
| 14933A405045 | M5 x 45 | 14933A410050 | M10 x 50 | 14933A414100 | M14 x 100 |
| 14933A405050 | M5 x 50 | 14933A410055 | M10 x 55 | 14933A414120 | M14 x 120 |
| 14933A405060 | M5 x 60 | 14933A410060 | M10 x 60 | 14933A414140 | M14 x 140 |
| 14933A406010 | M6 x 10 | 14933A410065 | M10 x 65 | | |
| 14933A406012 | M6 x 12 | 14933A410070 | M10 x 70 | | |
| 14933A406016 | M6 x 16 | 14933A410080 | M10 x 80 | | |
| 14933A406020 | M6 x 20 | 14933A410090 | M10 x 90 | | |
| 14933A406025 | M6 x 25 | 14933A410100 | M10 x 100 | | |
| 14933A406030 | M6 x 30 | 14933A410110 | M10 x 110 | | |
| 14933A406035 | M6 x 35 | 14933A410120 | M10 x 120 | | |
| 14933A406040 | M6 x 40 | 14933A410130 | M10 x 130 | | |
| 14933A406045 | M6 x 45 | 14933A410140 | M10 x 140 | | |
| 14933A406050 | M6 x 50 | 14933A410150 | M10 x 150 | | |
| 14933A406055 | M6 x 55 | 14933A410160 | M10 x 160 | | |
| 14933A406060 | M6 x 60 | 14933A410180 | M10 x 180 | | |
| 14933A406070 | M6 x 70 | 14933A410200 | M10 x 200 | | |
| 14933A406080 | M6 x 80 | 14933A412016 | M12 x 16 | | |
| 14933A406090 | M6 x 90 | 14933A412020 | M12 x 20 | | |
| 14933A406100 | M6 x 100 | 14933A412025 | M12 x 25 | | |
| 14933A408010 | M8 x 10 | 14933A412030 | M12 x 30 | | |
| 14933A408012 | M8 x 12 | 14933A412035 | M12 x 35 | | |
| 14933A408016 | M8 x 16 | 14933A412040 | M12 x 40 | | |
| 14933A408020 | M8 x 20 | 14933A412045 | M12 x 45 | | |
| 14933A408025 | M8 x 25 | 14933A412050 | M12 x 50 | | |



Hexagon head full threaded bolts according to Din 933 in Stainless Steel A4 (316)

| Number | Size |
|--------------|-----------|
| 14933A416025 | M16 x 25 |
| 14933A416030 | M16 x 30 |
| 14933A416035 | M16 x 35 |
| 14933A416040 | M16 x 40 |
| 14933A416045 | M16 x 45 |
| 14933A416050 | M16 x 50 |
| 14933A416055 | M16 x 55 |
| 14933A416060 | M16 x 60 |
| 14933A416065 | M16 x 65 |
| 14933A416070 | M16 x 70 |
| 14933A416080 | M16 x 80 |
| 14933A416090 | M16 x 90 |
| 14933A416100 | M16 x 100 |
| 14933A416110 | M16 x 110 |
| 14933A416120 | M16 x 120 |
| 14933A416130 | M16 x 130 |
| 14933A416140 | M16 x 140 |
| 14933A416150 | M16 x 150 |
| 14933A416160 | M16 x 160 |
| 14933A416180 | M16 x 180 |
| 14933A416200 | M16 x 200 |
| 14933A418030 | M18 x 30 |
| 14933A418035 | M18 x 35 |
| 14933A418040 | M18 x 40 |
| 14933A418045 | M18 x 45 |
| 14933A418050 | M18 x 50 |
| 14933A418060 | M18 x 60 |
| 14933A418070 | M18 x 70 |
| 14933A418080 | M18 x 80 |
| 14933A418090 | M18 x 90 |
| 14933A418100 | M18 x 100 |
| 14933A420030 | M20 x 30 |
| 14933A420035 | M20 x 35 |
| 14933A420040 | M20 x 40 |
| 14933A420045 | M20 x 45 |
| 14933A420050 | M20 x 50 |
| 14933A420055 | M20 x 55 |
| 14933A420060 | M20 x 60 |
| 14933A420070 | M20 x 70 |

| Number | Size |
|--------------|-----------|
| 14933A420075 | M20 x 75 |
| 14933A420080 | M20 x 80 |
| 14933A420090 | M20 x 90 |
| 14933A420100 | M20 x 100 |
| 14933A420110 | M20 x 110 |
| 14933A420120 | M20 x 120 |
| 14933A420130 | M20 x 130 |
| 14933A420140 | M20 x 140 |
| 14933A420150 | M20 x 150 |
| 14933A420160 | M20 x 160 |
| 14933A420180 | M20 x 180 |
| 14933A420200 | M20 x 200 |
| 14933A422050 | M22 x 50 |
| 14933A422060 | M22 x 60 |
| 14933A422070 | M22 x 70 |
| 14933A422080 | M22 x 80 |
| 14933A422090 | M22 x 90 |
| 14933A422100 | M22 x 100 |
| 14933A424050 | M24 x 50 |
| 14933A424055 | M24 x 55 |
| 14933A424060 | M24 x 60 |
| 14933A424065 | M24 x 65 |
| 14933A424070 | M24 x 70 |
| 14933A424080 | M24 x 80 |
| 14933A424090 | M24 x 90 |
| 14933A424100 | M24 x 100 |
| 14933A424110 | M24 x 110 |
| 14933A424120 | M24 x 120 |
| 14933A424130 | M24 x 130 |
| 14933A424140 | M24 x 140 |
| 14933A424150 | M24 x 150 |
| 14933A424160 | M24 x 160 |
| 14933A424180 | M24 x 180 |
| 14933A424200 | M24 x 200 |
| 14933A427050 | M27 x 50 |
| 14933A427060 | M27 x 60 |
| 14933A427070 | M27 x 70 |
| 14933A427080 | M27 x 80 |
| 14933A427090 | M27 x 90 |

| Number | Size |
|--------------|-----------|
| 14933A427100 | M27 x 100 |
| 14933A427110 | M27 x 110 |
| 14933A427120 | M27 x 120 |
| 14933A430060 | M30 x 60 |
| 14933A430070 | M30 x 70 |
| 14933A430080 | M30 x 80 |
| 14933A430090 | M30 x 90 |
| 14933A430100 | M30 x 100 |
| 14933A430110 | M30 x 110 |
| 14933A430120 | M30 x 120 |
| 14933A430150 | M30 x 150 |
| 14933A433070 | M33 x 70 |
| 14933A433080 | M33 x 80 |
| 14933A433090 | M33 x 90 |
| 14933A433100 | M33 x 100 |
| 14933A433110 | M33 x 110 |
| 14933A433120 | M33 x 120 |
| 14933A436080 | M36 x 80 |
| 14933A436090 | M36 x 90 |
| 14933A436100 | M36 x 100 |
| 14933A436110 | M36 x 110 |
| 14933A436120 | M36 x 120 |
| 14933A436130 | M36 x 130 |
| 14933A436140 | M36 x 140 |
| 14933A436150 | M36 x 150 |



Hexagon head nut according to Din 934 Stainless Steel A4 (316)

| Number | Size |
|-----------|------|
| 14934A403 | M3 |
| 14934A404 | M4 |
| 14934A405 | M5 |
| 14934A406 | M6 |
| 14934A408 | M8 |
| 14934A410 | M10 |
| 14934A412 | M12 |
| 14934A414 | M14 |
| 14934A416 | M16 |
| 14934A418 | M18 |
| 14934A420 | M20 |

| Number | Size |
|-----------|------|
| 14934A422 | M22 |
| 14934A424 | M24 |
| 14934A427 | M27 |
| 14934A430 | M30 |
| 14934A433 | M33 |
| 14934A436 | M36 |
| 14934A439 | M39 |
| 14934A442 | M42 |
| 14934A445 | M45 |
| 14934A448 | M48 |



Prevailing torque type hexagon nuts with non-metallic insert according to Din 985 Stainless Steel A4 (316)

| Number | Size |
|-----------|------|
| 15985A403 | M3 |
| 15985A404 | M4 |
| 15985A405 | M5 |
| 15985A406 | M6 |
| 15985A408 | M8 |
| 15985A410 | M10 |
| 15985A412 | M12 |

| Number | Size |
|-----------|------|
| 15985A414 | M14 |
| 15985A416 | M16 |
| 15985A420 | M20 |
| 15985A424 | M24 |
| 15985A427 | M27 |
| 15985A430 | M30 |



Top

Plain washer according to Din 125-A Stainless Steel A4 (316)

| Number | Size |
|-----------|------------|
| 15125A403 | M3x0,5x7 |
| 15125A404 | M4x0,8x9 |
| 15125A405 | M5x1,0x10 |
| 15125A406 | M6x1,6x12 |
| 15125A408 | M8x1,6x16 |
| 15125A410 | M10x2,0x20 |
| 15125A412 | M12x2,5x24 |
| 15125A414 | M14x2,5x28 |
| 15125A416 | M16x3,0x30 |
| 15125A418 | M18x3,0x34 |
| 15125A420 | M20x3,0x37 |

| Number | Size |
|-----------|------------|
| 15125A422 | M22x3,0x39 |
| 15125A424 | M24x4,0x44 |
| 15125A427 | M27x4,0x50 |
| 15125A430 | M30x4,0x56 |
| 15125A433 | M33x5,0x60 |
| 15125A436 | M36x5,0x66 |
| 15125A439 | M39x7,0x78 |



Spring lock washer with square ends according to Din 127-B Stainless Steel A4 (316)

| Number | Size |
|-----------|------|
| 15127A403 | M3 |
| 15127A404 | M4 |
| 15127A405 | M5 |
| 15127A406 | M6 |
| 15127A408 | M8 |
| 15127A410 | M10 |
| 15127A412 | M12 |

| Number | Size |
|-----------|------|
| 15127A414 | M14 |
| 15127A416 | M16 |
| 15127A420 | M20 |
| 15127A424 | M24 |
| 15127A427 | M27 |
| 15127A430 | M30 |
| 15127A433 | M33 |



Plain washer according to Din 9021 Stainless Steel A4 (316)

| Number | Size |
|------------|---------------|
| 159021A403 | 3,2x9,0x0,8 |
| 159021A404 | 4,3x12,0x1,0 |
| 159021A405 | 5,3x15,0x1,2 |
| 159021A406 | 6,4x18,0x1,6 |
| 159021A408 | 8,4x24,0x2,0 |
| 159021A410 | 10,5x30,0x2,5 |
| 159021A412 | 13,0x37,0x3,0 |

| Number | Size |
|------------|---------------|
| 159021A414 | 15,0x44,0x3,0 |
| 159021A416 | 17,0x50,0x3,0 |
| 159021A418 | 20,0x56,0x4,0 |
| 159021A420 | 22,0x60,0x4,0 |



Wing nuts according to Din 315 Stainless Steel A4 (316)

| Number | Size |
|-----------|------|
| 15315A403 | M3 |
| 15315A404 | M4 |
| 15315A405 | M5 |
| 15315A406 | M6 |
| 15315A408 | M8 |

| Number | Size |
|-----------|------|
| 15315A410 | M10 |
| 15315A412 | M12 |
| 15315A416 | M16 |
| 15315A420 | M20 |



Hexagon domed cup nuts according to Din 1587 Stainless Steel A4 (316)

| Number | Size |
|------------|------|
| 151587A403 | M3 |
| 151587A404 | M4 |
| 151587A405 | M5 |
| 151587A406 | M6 |
| 151587A408 | M8 |

| Number | Size |
|------------|------|
| 151587A410 | M10 |
| 151587A412 | M12 |
| 151587A416 | M16 |
| 151587A420 | M20 |



Hexagon head bolts according to Din 931 Stainless Steel A4 (316)

| Number | Size | Number | Size | Number | Size |
|---------------|-------------|---------------|-------------|---------------|-------------|
| 14931A405030 | M5x30 | 14931A410200 | M10x200 | 14931A420065 | M20x65 |
| 14931A405035 | M5x35 | 14931A410220 | M10x220 | 14931A420070 | M20x70 |
| 14931A405040 | M5x40 | 14931A412045 | M12x45 | 14931A420080 | M20x80 |
| 14931A405045 | M5x45 | 14931A412050 | M12x50 | 14931A420090 | M20x90 |
| 14931A405050 | M5x50 | 14931A412055 | M12x55 | 14931A420100 | M20x100 |
| 14931A405055 | M5x55 | 14931A412060 | M12x60 | 14931A420110 | M20x110 |
| 14931A406030 | M6x30 | 14931A412065 | M12x65 | 14931A420120 | M20x120 |
| 14931A406035 | M6x35 | 14931A412070 | M12x70 | 14931A420130 | M20x130 |
| 14931A406040 | M6x40 | 14931A412075 | M12x75 | 14931A420140 | M20x140 |
| 14931A406045 | M6x45 | 14931A412080 | M12x80 | 14931A420150 | M20x150 |
| 14931A406050 | M6x50 | 14931A412090 | M12x90 | 14931A420160 | M20x160 |
| 14931A406055 | M6x55 | 14931A412100 | M12x100 | 14931A420180 | M20x180 |
| 14931A406060 | M6x60 | 14931A412110 | M12x110 | 14931A420200 | M20x200 |
| 14931A406070 | M6x70 | 14931A412120 | M12x120 | 14931A420220 | M20x220 |
| 14931A406080 | M6x80 | 14931A412130 | M12x130 | 14931A420240 | M20x240 |
| 14931A406090 | M6x90 | 14931A412140 | M12x140 | 14931A420260 | M20x260 |
| 14931A406100 | M6x100 | 14931A412150 | M12x150 | 14931A420280 | M20x280 |
| 14931A406110 | M6x110 | 14931A412160 | M12x160 | 14931A420300 | M20x300 |
| 14931A406120 | M6x120 | 14931A412180 | M12x180 | 14931A422080 | M22x80 |
| 14931A406130 | M6x130 | 14931A412190 | M12x190 | 14931A422090 | M22x90 |
| 14931A406140 | M6x140 | 14931A412200 | M12x200 | 14931A422100 | M22x100 |
| 14931A406150 | M6x150 | 14931A412210 | M12x210 | 14931A422120 | M22x120 |
| 14931A406160 | M6x160 | 14931A412220 | M12x220 | 14931A422130 | M22x130 |
| 14931A406170 | M6x170 | 14931A412240 | M12x240 | 14931A422140 | M22x140 |
| 14931A406180 | M6x180 | 14931A414060 | M14x60 | 14931A422150 | M22x150 |
| 14931A408035 | M8x35 | 14931A414070 | M14x70 | 14931A424080 | M24x80 |
| 14931A408040 | M8x40 | 14931A414080 | M14x80 | 14931A424090 | M24x90 |
| 14931A408045 | M8x45 | 14931A414090 | M14x90 | 14931A424100 | M24x100 |
| 14931A408050 | M8x50 | 14931A414100 | M14x100 | 14931A424110 | M24x110 |
| 14931A408060 | M8x60 | 14931A414120 | M14x120 | 14931A424120 | M24x120 |
| 14931A408065 | M8x65 | 14931A414140 | M14x140 | 14931A424130 | M24x130 |
| 14931A408070 | M8x70 | 14931A414150 | M14x150 | 14931A424140 | M24x140 |
| 14931A408075 | M8x75 | 14931A414160 | M14x160 | 14931A424150 | M24x150 |
| 14931A408080 | M8x80 | 14931A414180 | M14x180 | 14931A424160 | M24x160 |
| 14931A408090 | M8x90 | 14931A414200 | M14x200 | 14931A424180 | M24x180 |
| 14931A408100 | M8x100 | 14931A416055 | M16x55 | 14931A424200 | M24x200 |
| 14931A408110 | M8x110 | 14931A416060 | M16x60 | 14931A424220 | M24x220 |
| 14931A408120 | M8x120 | 14931A416065 | M16x65 | 14931A424230 | M24x230 |
| 14931A408130 | M8x130 | 14931A416070 | M16x70 | 14931A424240 | M24x240 |
| 14931A408140 | M8x140 | 14931A416075 | M16x75 | 14931A424260 | M24x260 |
| 14931A408150 | M8x150 | 14931A416080 | M16x80 | 14931A427080 | M27x80 |
| 14931A408160 | M8x160 | 14931A416090 | M16x90 | 14931A427090 | M27x90 |
| 14931A408170 | M8x170 | 14931A416100 | M16x100 | 14931A427100 | M27x100 |
| 14931A408180 | M8x180 | 14931A416110 | M16x110 | 14931A427110 | M27x110 |
| 14931A408190 | M8x190 | 14931A416120 | M16x120 | 14931A427120 | M27x120 |
| 14931A408200 | M8x200 | 14931A416130 | M16x130 | 14931A427130 | M27x130 |
| 14931A408220 | M8x220 | 14931A416140 | M16x140 | 14931A427140 | M27x140 |
| 14931A410040 | M10x40 | 14931A416150 | M16x150 | 14931A427150 | M27x150 |
| 14931A410045 | M10x45 | 14931A416160 | M16x160 | 14931A427160 | M27x160 |
| 14931A410050 | M10x50 | 14931A416180 | M16x180 | 14931A427180 | M27x180 |
| 14931A410055 | M10x55 | 14931A416200 | M16x200 | 14931A427200 | M27x200 |
| 14931A410060 | M10x60 | 14931A416220 | M16x220 | 14931A427220 | M27x220 |
| 14931A410065 | M10x65 | 14931A416240 | M16x240 | 14931A427240 | M27x240 |
| 14931A410070 | M10x70 | 14931A416260 | M16x260 | | |
| 14931A410075 | M10x75 | 14931A416280 | M16x280 | | |
| 14931A410080 | M10x80 | 14931A416300 | M16x300 | | |
| 14931A410090 | M10x90 | 14931A418065 | M18x65 | | |
| 14931A410100 | M10x100 | 14931A418070 | M18x70 | | |
| 14931A410110 | M10x110 | 14931A418080 | M18x80 | | |
| 14931A410120 | M10x120 | 14931A418090 | M18x90 | | |
| 14931A410130 | M10x130 | 14931A418100 | M18x100 | | |
| 14931A410140 | M10x140 | 14931A418110 | M18x110 | | |
| 14931A410150 | M10x150 | 14931A418120 | M18x120 | | |
| 14931A410160 | M10x160 | 14931A418150 | M18x150 | | |
| 14931A410170 | M10x170 | | | | |
| 14931A410180 | M10x180 | | | | |
| 14931A410190 | M10x190 | | | | |

| Number | Size |
|---------------|-------------|
| 14931A430090 | M30x90 |
| 14931A430100 | M30x100 |
| 14931A430110 | M30x110 |
| 14931A430120 | M30x120 |
| 14931A430140 | M30x140 |
| 14931A430150 | M30x150 |
| 14931A430160 | M30x160 |
| 14931A430180 | M30x180 |
| 14931A430200 | M30x200 |
| 14931A430210 | M30x210 |
| 14931A430220 | M30x220 |
| 14931A430240 | M30x240 |
| 14931A430250 | M30x250 |
| 14931A430260 | M30x260 |

| Number | Size |
|---------------|-------------|
| 14931A433090 | M33x90 |
| 14931A433100 | M33x100 |
| 14931A433110 | M33x110 |
| 14931A433120 | M33x120 |
| 14931A433130 | M33x130 |
| 14931A433140 | M33x140 |
| 14931A433150 | M33x150 |
| 14931A433160 | M33x160 |
| 14931A433170 | M33x170 |
| 14931A433180 | M33x180 |
| 14931A433190 | M33x190 |
| 14931A433200 | M33x200 |
| 14931A433220 | M33x220 |
| 14931A433240 | M33x240 |
| 14931A433260 | M33x260 |

| Number | Size |
|---------------|-------------|
| 14931A436100 | M36x100 |
| 14931A436110 | M36x110 |
| 14931A436120 | M36x120 |
| 14931A436130 | M36x130 |
| 14931A436140 | M36x140 |
| 14931A436150 | M36x150 |
| 14931A436160 | M36x160 |
| 14931A436170 | M36x170 |
| 14931A436180 | M36x180 |
| 14931A436190 | M36x190 |
| 14931A436200 | M36x200 |
| 14931A436220 | M36x220 |
| 14931A436240 | M36x240 |
| 14931A436260 | M36x260 |