

Nut & Bolt Metric 420 Piece Kit



NUT & BOLT METRIC 420 PCS KITS

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|---------------|----|----|
| 3 x 16mm x 20 | M3 | M3 |
| 4 x 16mm x 20 | M4 | M4 |
| 4 x 25mm x 20 | M4 | M4 |
| 5 x 20mm x 20 | M5 | M5 |
| 5 x 25mm x 20 | M5 | M5 |
| 6 x 20mm x 20 | M6 | M6 |



Bolt: As mentioned earlier, a bolt usually spots a cylindrical shape that has an external helical ridge thread running on its surface. The external thread can also simply be referred to as just thread. The thread on the bolt is designed to mate with another object which has the complimentary thread carved in it or with a nut. The complimentary thread is referred to as an internal thread. When used without a nut, the bolt mates with the internal thread that is carved inside a hole on the object through which the bolt would be run. Some bolts are designed to form the internal thread in softer materials when they are simply pressed into those materials. The purpose of inserting bolts into other materials is to bind that material with another object. For example if one material is required to be bonded with another, a bolt could be run through these two materials and a nut on the other side could be used to secure the materials together tightly.

Nut: The nut is always used opposite a mating bolt and features a threaded hole which mates with the thread on the bolt. When used together, nuts and bolts work to fasten a stack of parts together securely. When secured together, the nut and the bolt are able to stay together without dropping apart due to the friction that is generated by their thread, compression of the parts as well as a slight stretch of the bolt. There can be application where vibrations and rotation may cause the nut and bolt to come loose. If nothing is done about it, overtime the nut would simply fall off the bolt, causing the materials that they were securing together to fall apart. This can be extremely dangerous and therefore other alternatives should be used together with bolts and nuts to create stronger and efficient joints. Alternatives such as adhesives, safety pins or oval-shaped threads can be used to enhance the bond between the bolt and the nut, preventing them from loosening up overtime.

