

Stainless Steel Flat Washer

Standard: DIN125/DIN126, GB/T97.2-1985/GB/T97.2-1985, ISO7089/ISO7090

Material: SUS301,304,18/8,0Cr18Ni9,X5CrNi1810,X10Cr13,410S21, if you need to use other stainless steel, please let us know.

Heat Treatment: None for normal, If you have special hardness requirement, please let us know.

Surface Hardness: 220HV is Normal

Finish: None.

Stainless Steel Flat Washer intended for the general use under the head of a bolt or nut in order to provide a smooth bearing surface and distribute the fastener load over a wider surface area. Available in many sizes, specifications, grades, and finishes.

"Stainless Steel" - With the addition of 12% chromium to iron, stainless steel is formed. The chromium protects the iron against most corrosion or red colored rust; thus the term "stainless steel". The ability of stainless to form a thin layer of protection on its outside surface, called a "passive film", is its most important characteristic in preventing corrosion.

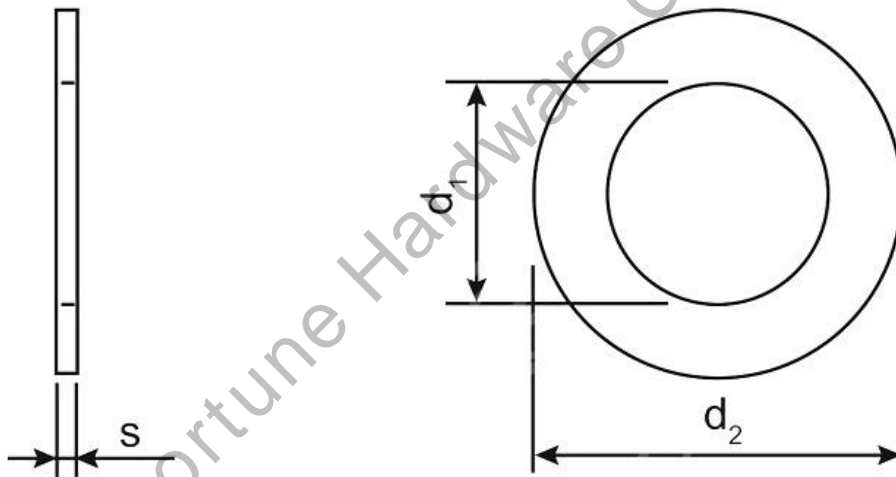
"18-8" - 300 series stainless steel having approximately (not exactly) 18% chromium and 8% nickel. The term "18-8" is used interchangeably to characterize fasteners made of 302,302HQ,303,304,384, XM7, and other variables of these grades with close chemical compositions. There is little overall difference in corrosion resistance among the 18-8 types, but slight differences in chemical composition do make certain grades more resistant than others against particular chemicals or atmospheres.

Austenitic - Refers to 300 series stainless, the most popular of the stainless alloys accounting for 85%-90% of stainless fasteners sold Named for sir Robert Williams Austen, an English metallurgist, austenitic stainless is a crystal structure formed by heating steel, chromium, and nickel to a high temperature where it forms the characteristics of 300 series stainless steel.

The typical **Stainless Steel Flat Washer** as below



And below is the common drawing for this kind:



Below chart show some typical dimensions of them, you can refer it, or you can change it for your own design, if you want know more standard dimensions of them, you can contact us.

| d | d1(mm) | d2(mm) | S(mm) |
|-----|--------|--------|-------|
| M4 | 4.3 | 9 | 0.8 |
| M5 | 5.3 | 10 | 1 |
| M6 | 6.4 | 12 | 1.6 |
| M8 | 8.4 | 16 | 1.6 |
| M10 | 10.5 | 20 | 2 |
| M12 | 13 | 24 | 2.5 |
| M14 | 15 | 28 | 2.5 |
| M16 | 17 | 30 | 3 |
| M20 | 21 | 37 | 3 |
| M24 | 25 | 44 | 4 |