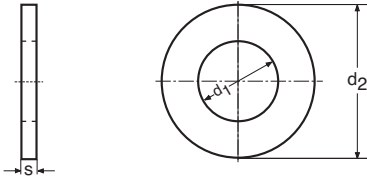


**Fender Washers** with outside diameter ~ 3 x bolt diameter  
**Rondanas plana liviana estandar y pesada**  
**Rondelles  $d_2 = 3 \times d_1$**

|    |
|----|
| A2 |
| A4 |



| Bolt Size      | M2.5 | M3   | M3.5 | M4   | M5   | M6   | M7   | M8   | M10  | M12  | M14  |
|----------------|------|------|------|------|------|------|------|------|------|------|------|
| d <sub>1</sub> | 2.7  | 3.2  | 3.7  | 4.3  | 5.3  | 6.4  | 7.4  | 8.4  | 10.5 | 13   | 15   |
| d <sub>2</sub> | 8    | 9    | 11   | 12   | 15   | 18   | 22   | 24   | 30   | 37   | 44   |
| s              | 0.8  | 0.8  | 0.8  | 1    | 1.2  | 1.6  | 2    | 2    | 2.5  | 3    | 3    |
| W              | .28  | .349 | .529 | .774 | 1.46 | 2.79 | 5.29 | 6.23 | 12.2 | 22.2 | 31.6 |

| Bolt Size      | M16  | M18  | M20  |
|----------------|------|------|------|
| d <sub>1</sub> | 17   | 20   | 22   |
| d <sub>2</sub> | 50   | 56   | 60   |
| s              | 3    | 4    | 4    |
| W              | 40.9 | 67.4 | 76.8 |

(W ~ Weights of standard sizes in kilograms per 1000 pieces)