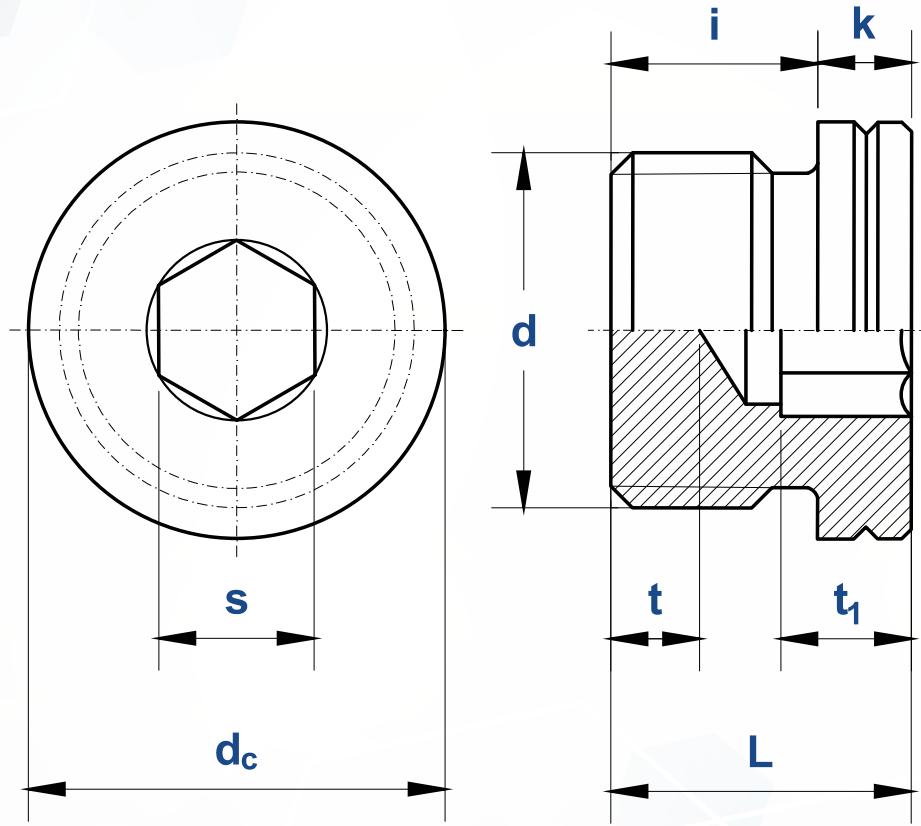




| Thread Size<br>d |                  | M8   | M10  | M12  | M14  | M16  | M18  | M20  | M22  | M27  | M30  | M33  | M42  | M48  | M60  |
|------------------|------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| P                | Pitch            | 1    | 1    | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 2    | 2    | 2    | 2    | 2    | 2    |
| d <sub>c</sub>   | Nominal Size     | 11.8 | 13.8 | 16.8 | 18.8 | 21.8 | 23.8 | 26.8 | 26.8 | 31.8 | 35.8 | 40.8 | 49.8 | 54.8 | 64.8 |
|                  | max              | 12   | 14   | 17   | 19   | 22   | 24   | 27   | 27   | 32   | 36   | 41   | 50   | 55   | 65   |
|                  | min              | 11.6 | 13.6 | 16.6 | 18.6 | 21.6 | 23.6 | 26.6 | 26.6 | 31.6 | 35.6 | 40.6 | 49.6 | 54.6 | 64.6 |
| i                | Ref.             | 9.5  | 9.5  | 11   | 11   | 12.5 | 14   | 14   | 15   | 18.5 | 18.5 | 18.5 | 19   | 21.5 | 24   |
| t                | min              | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3    |
| t <sub>1</sub>   | min              | 5    | 5.5  | 7.5  | 7.5  | 8.5  | 8.5  | 8.5  | 8.5  | 10.5 | 11   | 11   | 11   | 11   | 12   |
| k                | max=nominal size | 3.5  | 4    | 4.5  | 5    | 5    | 5    | 5    | 5    | 5    | 6    | 6    | 6    | 6    | 6    |
|                  | min              | 3.25 | 3.75 | 4.25 | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 4.75 | 5.75 | 5.75 | 5.75 | 5.75 | 5.75 |
| L                | Ref.             | 13   | 13.5 | 15.5 | 16   | 17.5 | 19   | 19   | 20   | 23.5 | 24.5 | 24.5 | 25   | 27.5 | 30   |
| s                | Nominal Size     | 4    | 5    | 6    | 6    | 8    | 8    | 10   | 10   | 12   | 14   | 14   | 17   | 17   | 19   |