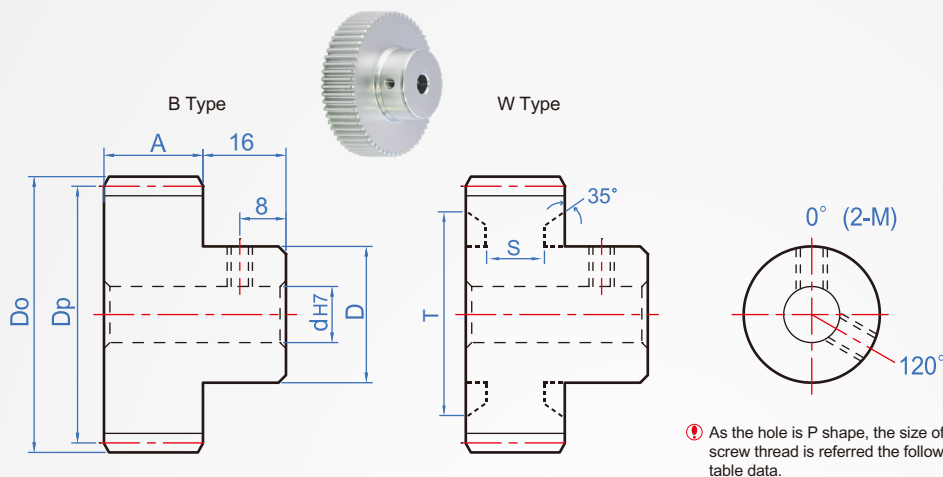


Pressure angle 20°

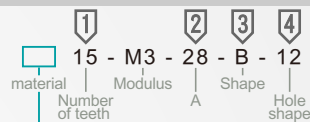
**M3** module

- GE** The standard gear (bar) does not have heat treatment, if heat treatment is required ~ can be specified (GH series).
  - GH** The surface of the tooth part is treated with high frequency, the hardness is 43~45 degrees, and the strength and wear resistance will be better.
  - GS** Ghana also provides SUS303 material, which has good rust resistance in high humidity environment.
- 🔴 SUS have no finish, just provide material [GS].

|           | Material                    | Accuracy class     | Teeth finish |
|-----------|-----------------------------|--------------------|--------------|
| <b>GE</b> | S45C<br>Carbon steel        | JIS 4<br>(DIN8e25) | Milling      |
| <b>GH</b> | S45C<br>+<br>Heat Treatment |                    |              |
| <b>GS</b> | SUS303                      |                    |              |



### How to order



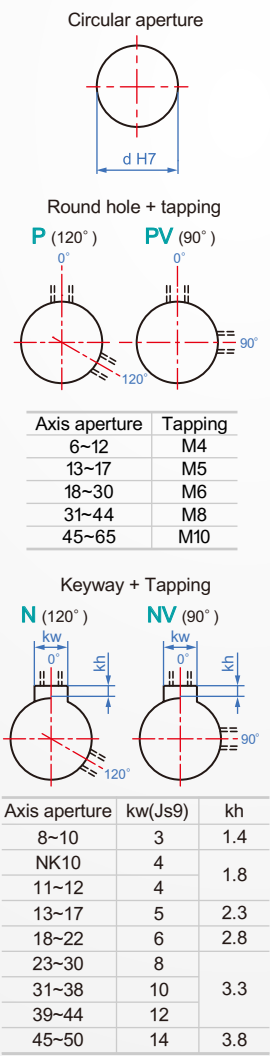
### Choose material & surface treatment

|                               |           |
|-------------------------------|-----------|
| SUS303.....                   | <b>GS</b> |
| S45C.....                     | <b>GE</b> |
| S45C+heat treatment.....      | <b>GH</b> |
| S45C+blackened.....           | <b>TB</b> |
| S45C+Hard chrome plating..... | <b>TC</b> |
| S45C+electroless nickel.....  | <b>TN</b> |

**Inventory: fast delivery, low price**  
Type B tooth width 28 is in stock (with minimum hole diameter/no tapping)

🔴 As the hole is P shape, the size of screw thread is referred the following table data.

| Number of teeth | Module | A  | Shape | Hole shape        | Mini. aperture d | D   | Number of teeth | Dp  | Do  | W Loss processing |   |  |  |  |  |  |     |         |
|-----------------|--------|----|-------|-------------------|------------------|-----|-----------------|-----|-----|-------------------|---|--|--|--|--|--|-----|---------|
|                 |        |    |       |                   |                  |     |                 |     |     | T                 | S |  |  |  |  |  |     |         |
| 15              | M3     | 28 | B     | Circular aperture | 12~              | 36  | 15              | 45  | 51  | -                 | - |  |  |  |  |  |     |         |
| 16              |        |    |       |                   |                  | 38  | 16              | 48  | 54  |                   |   |  |  |  |  |  |     |         |
| 17              |        |    |       |                   |                  | 40  | 17              | 51  | 57  |                   |   |  |  |  |  |  |     |         |
| 18              |        |    |       |                   |                  | 42  | 18              | 54  | 60  |                   |   |  |  |  |  |  |     |         |
| 19              |        |    |       |                   |                  | 47  | 19              | 57  | 63  |                   |   |  |  |  |  |  |     |         |
| 20              |        |    |       |                   |                  | 50  | 20              | 60  | 66  |                   |   |  |  |  |  |  |     |         |
| 21              |        |    |       |                   |                  | 55  | 21              | 63  | 69  |                   |   |  |  |  |  |  |     |         |
| 22              |        |    |       |                   |                  | 55  | 22              | 66  | 72  |                   |   |  |  |  |  |  |     |         |
| 23              |        |    |       |                   |                  | 60  | 23              | 69  | 75  |                   |   |  |  |  |  |  |     |         |
| 24              |        |    |       |                   |                  | 60  | 24              | 72  | 78  |                   |   |  |  |  |  |  |     |         |
| 25              |        |    |       |                   |                  | 65  | 25              | 75  | 81  |                   |   |  |  |  |  |  |     |         |
| 26              |        |    |       |                   |                  | 65  | 26              | 78  | 84  |                   |   |  |  |  |  |  |     |         |
| 27              |        |    |       |                   |                  | 68  | 27              | 81  | 87  |                   |   |  |  |  |  |  |     |         |
| 28              |        |    |       |                   |                  | 70  | 28              | 84  | 90  |                   |   |  |  |  |  |  |     |         |
| 29              |        |    |       |                   |                  | 75  | 29              | 87  | 93  |                   |   |  |  |  |  |  |     |         |
| 30              |        |    |       |                   |                  | 75  | 30              | 90  | 96  |                   |   |  |  |  |  |  |     |         |
| 31              |        |    |       |                   |                  | 85  | 31              | 93  | 99  |                   |   |  |  |  |  |  |     |         |
| 32              |        |    |       |                   |                  | 85  | 32              | 96  | 102 |                   |   |  |  |  |  |  |     |         |
| 33              |        |    |       |                   |                  | 90  | 33              | 99  | 105 |                   |   |  |  |  |  |  |     |         |
| 34              |        |    |       |                   |                  | 90  | 34              | 102 | 108 |                   |   |  |  |  |  |  |     |         |
| 35              |        |    |       |                   |                  | 95  | 35              | 105 | 111 |                   |   |  |  |  |  |  |     |         |
| 36              |        |    |       |                   |                  | 95  | 36              | 108 | 114 |                   |   |  |  |  |  |  |     |         |
| 37              |        |    |       |                   |                  | 100 | 37              | 111 | 117 |                   |   |  |  |  |  |  |     |         |
| 38              |        |    |       |                   |                  | 100 | 38              | 114 | 120 |                   |   |  |  |  |  |  |     |         |
| 39              |        |    |       |                   |                  | 100 | 39              | 117 | 123 |                   |   |  |  |  |  |  |     |         |
| 40              |        |    |       |                   |                  | 110 | 40              | 120 | 126 |                   |   |  |  |  |  |  |     |         |
| 41              |        |    |       |                   |                  | 110 | 41              | 123 | 129 |                   |   |  |  |  |  |  |     |         |
| 42              |        |    |       |                   |                  | 110 | 42              | 126 | 132 |                   |   |  |  |  |  |  |     |         |
| 43              |        |    |       |                   |                  | 120 | 43              | 129 | 135 |                   |   |  |  |  |  |  |     |         |
| 44              |        |    |       |                   |                  | 120 | 44              | 132 | 138 |                   |   |  |  |  |  |  |     |         |
| 45              |        |    |       |                   |                  | 120 | 45              | 135 | 141 |                   |   |  |  |  |  |  |     |         |
| 46              |        |    |       |                   |                  | 120 | 46              | 138 | 144 |                   |   |  |  |  |  |  |     |         |
| 47              |        |    |       |                   |                  | 120 | 47              | 141 | 147 |                   |   |  |  |  |  |  |     |         |
| 48              |        |    |       |                   |                  | 120 | 48              | 144 | 150 |                   |   |  |  |  |  |  |     |         |
| 49              |        |    |       |                   |                  | 120 | 49              | 147 | 153 |                   |   |  |  |  |  |  |     |         |
| 50              |        |    |       |                   |                  | 120 | 50              | 150 | 156 |                   |   |  |  |  |  |  |     |         |
|                 |        |    |       |                   |                  |     |                 |     |     |                   |   |  |  |  |  |  | 120 | S=Ax0.6 |



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