

# JIS

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## JAPANESE INDUSTRIAL STANDARD

### Parallel pipe threads

JIS B 0202—1982

Translated and Published

by

Japanese Standards Association

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## JAPANESE INDUSTRIAL STANDARD

J I S

## Parallel pipe threads

B 0202-1982  
(Reaffirmed: 1992)

1. Scope This Japanese Industrial Standard specifies parallel pipe threads and is applicable to the threads <sup>(1)</sup> used mainly for mechanical connection to joint the pipes, pipe fittings, fluid machinery, etc.

The parallel internal pipe thread of Class B of PF 1/8 to PF 6 in thread designation and the parallel pipe thread of PF 7 to PF 12 in thread designation shall be as specified in Annex.

Note <sup>(1)</sup> Not to be applied to the screw threads for conduit tubes and other special products.

Remarks 1. The pipe threads specified in the text of this Standard accord with the pipe threads specified in ISO 228/1.

The pipe threads specified in Annex are not comprehended in ISO 228/1.

2. The pipe threads where pressure-tight joints are made on the threads shall comply with JIS B 0203.

2. Classification and classes The parallel pipe threads are classified into the parallel external pipe threads and parallel internal pipe threads <sup>(2)</sup>, and the parallel external pipe threads are subdivided into Classes A and B depending on the tolerance on the pitch diameter.

Note <sup>(2)</sup> The parallel internal pipe threads are to be used for the parallel external pipe threads, and differ in tolerance from the parallel internal pipe threads specified in JIS B 0203.

3. Basic profile, basic dimensions and tolerances The basic profile and basic dimensions of parallel pipe threads shall comply with Attached Table 1 and the tolerances with Attached Table 2.

4. Designation The threads specified in the text of this Standard shall be designated by the use of the designation of thread given in Attached Table 1, provided that for external threads the designation is followed by the class notation (A or B).

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Cited Standards:

JIS B 0203 Taper pipe threads

JIS B 0254 Screw thread limit gauges for parallel pipe threads

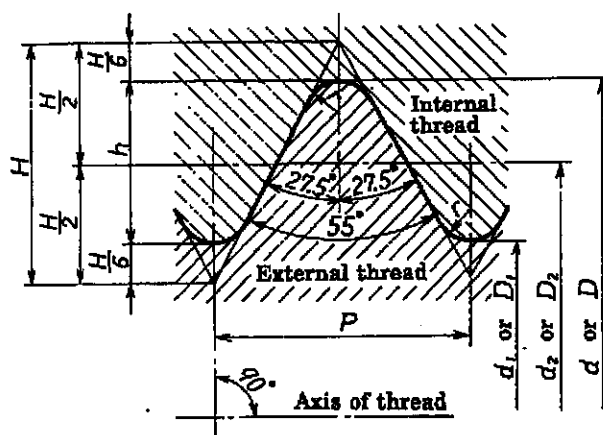
## Related Standard:

ISO 228/1-1978 Pipe threads where pressure-tight joints are not made on the threads — Part 1: Designation, dimensions and tolerances

Example: For external thread     $G\ 1\frac{1}{2}\ A$ ,  $G\ 1\frac{1}{2}\ B$   
          For internal thread     $G\ 1\frac{1}{2}$

5. Inspection    The threads having been screwed in accordance with this Standard shall, as a rule, be inspected with limit gauge for screw thread specified in JIS B 0254.

Attached Table 1. Basic profile and basic dimensions



The thick continuous line shows the basic profile.

$$P = \frac{25.4}{n}$$

$$H = 0.960491 P$$

$$h = 0.640327 P$$

$$r = 0.137329 P$$

$$d_2 = d - h \quad D_2 = d_2$$

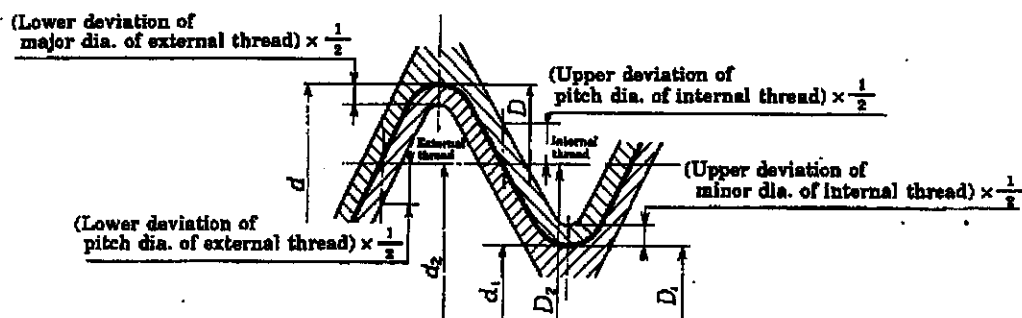
$$d_1 = d - 2h \quad D_1 = d_1$$

Unit: mm

| Designation of thread | Number of threads<br>(in 25.4 mm)<br>$n$ | Pitch<br>$P$<br>(informative reference) | Height of thread<br>$h$ | Crest radius and root radius<br>$r$ | External thread   |                     |                     |
|-----------------------|------------------------------------------|-----------------------------------------|-------------------------|-------------------------------------|-------------------|---------------------|---------------------|
|                       |                                          |                                         |                         |                                     | Major dia.<br>$d$ | Pitch dia.<br>$d_2$ | Minor dia.<br>$d_1$ |
|                       |                                          |                                         |                         |                                     | Internal thread   |                     |                     |
|                       |                                          |                                         |                         |                                     | Major dia.<br>$D$ | Pitch dia.<br>$D_2$ | Minor dia.<br>$D_1$ |
| G 1/8                 | 28                                       | 0.9071                                  | 0.581                   | 0.12                                | 7.723             | 7.142               | 6.561               |
| G 1/8                 | 28                                       | 0.9071                                  | 0.581                   | 0.12                                | 9.728             | 9.147               | 8.566               |
| G 1/4                 | 19                                       | 1.3368                                  | 0.856                   | 0.18                                | 13.157            | 12.301              | 11.445              |
| G 3/8                 | 19                                       | 1.3368                                  | 0.856                   | 0.18                                | 16.662            | 15.806              | 14.950              |
| G 1/2                 | 14                                       | 1.8143                                  | 1.162                   | 0.25                                | 20.955            | 19.793              | 18.631              |
| G 5/8                 | 14                                       | 1.8143                                  | 1.162                   | 0.25                                | 22.911            | 21.749              | 20.587              |
| G 3/4                 | 14                                       | 1.8143                                  | 1.162                   | 0.25                                | 26.441            | 25.279              | 24.117              |
| G 7/8                 | 14                                       | 1.8143                                  | 1.162                   | 0.25                                | 30.201            | 29.039              | 27.877              |
| G 1                   | 11                                       | 2.3091                                  | 1.479                   | 0.32                                | 33.249            | 31.770              | 30.291              |
| G 1 1/8               | 11                                       | 2.3091                                  | 1.479                   | 0.32                                | 37.897            | 36.418              | 34.939              |
| G 1 1/4               | 11                                       | 2.3091                                  | 1.479                   | 0.32                                | 41.910            | 40.431              | 38.952              |
| G 1 1/2               | 11                                       | 2.3091                                  | 1.479                   | 0.32                                | 47.803            | 46.324              | 44.845              |
| G 1 3/4               | 11                                       | 2.3091                                  | 1.479                   | 0.32                                | 53.746            | 52.267              | 50.788              |
| G 2                   | 11                                       | 2.3091                                  | 1.479                   | 0.32                                | 59.614            | 58.135              | 56.656              |
| G 2 1/4               | 11                                       | 2.3091                                  | 1.479                   | 0.32                                | 65.710            | 64.231              | 62.752              |
| G 2 1/2               | 11                                       | 2.3091                                  | 1.479                   | 0.32                                | 75.184            | 73.705              | 72.226              |
| G 2 3/4               | 11                                       | 2.3091                                  | 1.479                   | 0.32                                | 81.534            | 80.055              | 78.576              |
| G 3                   | 11                                       | 2.3091                                  | 1.479                   | 0.32                                | 87.884            | 86.405              | 84.926              |
| G 3 1/2               | 11                                       | 2.3091                                  | 1.479                   | 0.32                                | 100.330           | 98.851              | 97.372              |
| G 4                   | 11                                       | 2.3091                                  | 1.479                   | 0.32                                | 113.030           | 111.551             | 110.072             |
| G 4 1/2               | 11                                       | 2.3091                                  | 1.479                   | 0.32                                | 125.730           | 124.251             | 122.772             |
| G 5                   | 11                                       | 2.3091                                  | 1.479                   | 0.32                                | 138.430           | 136.951             | 135.472             |
| G 5 1/2               | 11                                       | 2.3091                                  | 1.479                   | 0.32                                | 151.130           | 149.651             | 148.172             |
| G 6                   | 11                                       | 2.3091                                  | 1.479                   | 0.32                                | 163.830           | 162.351             | 160.872             |

Remarks: The notation G for parallel pipe threads in the Table may be omitted as necessary.

Attached Table 2. Dimensional tolerances



Unit:  $\mu\text{m}$

| Designation of thread | Number of threads (in 25.4 mm)<br>$n$ | External thread |                 |                                 |                 |                  |                 | Internal thread |                 |                                 |                 |                  |                 |
|-----------------------|---------------------------------------|-----------------|-----------------|---------------------------------|-----------------|------------------|-----------------|-----------------|-----------------|---------------------------------|-----------------|------------------|-----------------|
|                       |                                       | Major dia. $d$  |                 | Pitch dia. $d_2$ <sup>(3)</sup> |                 | Minor dia. $d_1$ |                 | Major dia. $D$  |                 | Pitch dia. $D_2$ <sup>(3)</sup> |                 | Minor dia. $D_1$ |                 |
|                       |                                       | Upper deviation | Lower deviation | Upper deviation                 | Lower deviation |                  | Upper deviation | Lower deviation | Upper deviation | Lower deviation                 | Upper deviation | Lower deviation  | Upper deviation |
|                       |                                       |                 |                 |                                 | Class A         | Class B          |                 |                 |                 |                                 |                 |                  |                 |
| G $\frac{1}{16}$      | 28                                    | 0               | 214             | 0                               | 107             | 214              | 0               | 0               | 0               | 0                               | 107             | 0                | 282             |
| G $\frac{1}{8}$       | 28                                    | 0               | 214             | 0                               | 107             | 214              | 0               | 0               | 0               | 0                               | 107             | 0                | 282             |
| G $\frac{3}{16}$      | 19                                    | 0               | 250             | 0                               | 125             | 250              | 0               | 0               | 0               | 0                               | 125             | 0                | 445             |
| G $\frac{1}{4}$       | 19                                    | 0               | 250             | 0                               | 125             | 250              | 0               | 0               | 0               | 0                               | 125             | 0                | 445             |
| G $\frac{5}{16}$      | 14                                    | 0               | 284             | 0                               | 142             | 284              | 0               | 0               | 0               | 0                               | 142             | 0                | 541             |
| G $\frac{3}{8}$       | 14                                    | 0               | 284             | 0                               | 142             | 284              | 0               | 0               | 0               | 0                               | 142             | 0                | 541             |
| G $\frac{7}{16}$      | 14                                    | 0               | 284             | 0                               | 142             | 284              | 0               | 0               | 0               | 0                               | 142             | 0                | 541             |
| G 1                   | 11                                    | 0               | 360             | 0                               | 180             | 360              | 0               | 0               | 0               | 0                               | 180             | 0                | 640             |
| G $1\frac{1}{8}$      | 11                                    | 0               | 360             | 0                               | 180             | 360              | 0               | 0               | 0               | 0                               | 180             | 0                | 640             |
| G $1\frac{1}{4}$      | 11                                    | 0               | 360             | 0                               | 180             | 360              | 0               | 0               | 0               | 0                               | 180             | 0                | 640             |
| G $1\frac{3}{8}$      | 11                                    | 0               | 360             | 0                               | 180             | 360              | 0               | 0               | 0               | 0                               | 180             | 0                | 640             |
| G $1\frac{1}{2}$      | 11                                    | 0               | 360             | 0                               | 180             | 360              | 0               | 0               | 0               | 0                               | 180             | 0                | 640             |
| G $1\frac{3}{4}$      | 11                                    | 0               | 360             | 0                               | 180             | 360              | 0               | 0               | 0               | 0                               | 180             | 0                | 640             |
| G 2                   | 11                                    | 0               | 360             | 0                               | 180             | 360              | 0               | 0               | 0               | 0                               | 180             | 0                | 640             |
| G $2\frac{1}{4}$      | 11                                    | 0               | 434             | 0                               | 217             | 434              | 0               | 0               | 0               | 0                               | 217             | 0                | 640             |
| G $2\frac{1}{2}$      | 11                                    | 0               | 434             | 0                               | 217             | 434              | 0               | 0               | 0               | 0                               | 217             | 0                | 640             |
| G $2\frac{3}{4}$      | 11                                    | 0               | 434             | 0                               | 217             | 434              | 0               | 0               | 0               | 0                               | 217             | 0                | 640             |
| G 3                   | 11                                    | 0               | 434             | 0                               | 217             | 434              | 0               | 0               | 0               | 0                               | 217             | 0                | 640             |
| G $3\frac{1}{2}$      | 11                                    | 0               | 434             | 0                               | 217             | 434              | 0               | 0               | 0               | 0                               | 217             | 0                | 640             |
| G 4                   | 11                                    | 0               | 434             | 0                               | 217             | 434              | 0               | 0               | 0               | 0                               | 217             | 0                | 640             |
| G $4\frac{1}{2}$      | 11                                    | 0               | 434             | 0                               | 217             | 434              | 0               | 0               | 0               | 0                               | 217             | 0                | 640             |
| G 5                   | 11                                    | 0               | 434             | 0                               | 217             | 434              | 0               | 0               | 0               | 0                               | 217             | 0                | 640             |
| G $5\frac{1}{2}$      | 11                                    | 0               | 434             | 0                               | 217             | 434              | 0               | 0               | 0               | 0                               | 217             | 0                | 640             |
| G 6                   | 11                                    | 0               | 434             | 0                               | 217             | 434              | 0               | 0               | 0               | 0                               | 217             | 0                | 640             |

Note <sup>(3)</sup> For thin-walled products, the tolerances apply to the mean pitch diameter, which is the arithmetical mean of two diameters measured at right angles to each other.

Remarks: Although not expressly specified in this Table, the tolerance on the half angle of profile triangle and that on the pitch are included in the tolerance on pitch diameter after converted to pitch diameter equivalents.

Annex Parallel pipe threads not comprehended in ISO 228/1

1. Scope This Annex specifies the parallel pipe threads other than those specified in ISO 228/1 and shall be applied to the threads used mainly for the mechanical connection to joint pipes, pipe fittings, fluid machinery, etc.

The study for and against the existence of the thread specification in this Annex is scheduled on every occasion of reviewing this Standard.

Remarks: The pipe threads where pressure-tight joints are made on the threads shall comply with JIS B 0203.

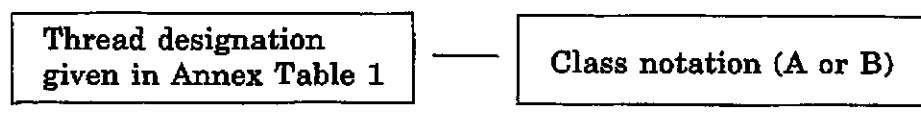
2. Classification and classes The parallel pipe threads are classified into the parallel external pipe threads and parallel internal pipe threads<sup>(1)</sup>, and further subdivided into Classes A and B depending on the tolerance on the pitch diameter<sup>(2)</sup>.

Notes <sup>(1)</sup> The parallel internal pipe threads are to be used for the parallel external pipe threads, and differ in tolerance from the parallel internal pipe threads specified in Annex in JIS B 0203 <sup>(2)</sup>.

<sup>(2)</sup> The Class A internal threads of PF 1/8 to PF 6 in designation are unspecified, but the tolerances on them are the same as those on the pitch diameters of internal threads of G 1/8 to G 6 in designation specified in Attached Table 2 of the text.

3. Basic profile, basic dimensions and tolerances The basic profile and basic dimensions of parallel pipe threads shall comply with Annex Table 1 and the tolerances with Annex Table 2.

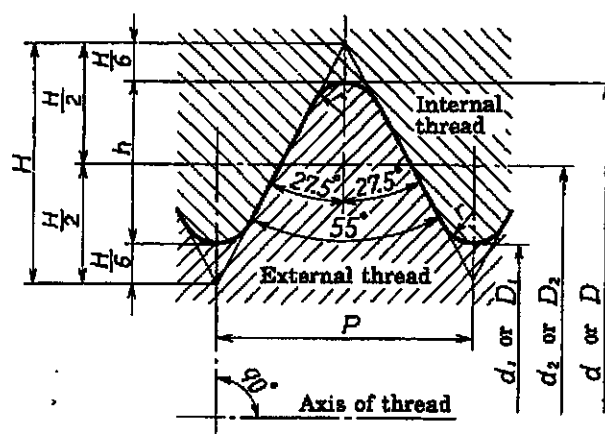
4. Designation The threads complying with this Annex shall be designated as follows:



Example: PF 1½ — B

5. Inspection The threads having been screwed in accordance with this Annex shall, as a rule, be inspected with a limit gauge for screw thread specified in JIS B 0254.

Annex Table 1. Basic profile and basic dimensions



The thick continuous line shows the basic profile.

$$P = \frac{25.4}{n}$$

$$H = 0.960491 P$$

$$h = 0.640327 P$$

$$r = 0.137329 P$$

$$d_2 = d - h \quad D_2 = d_2$$

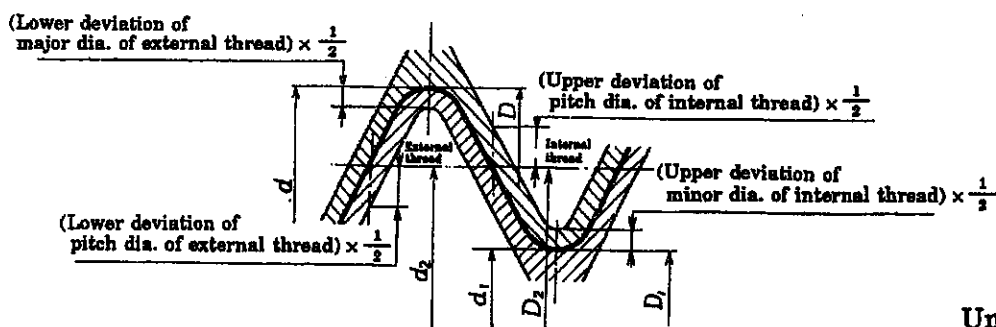
$$d_1 = d - 2h \quad D_1 = d_1$$

Unit: mm

| Designation of thread | Number of threads (in 25.4 mm)<br><i>n</i> | Pitch<br><i>P</i><br>(informative reference) | Height of thread<br><i>h</i> | Crest radius and root radius<br><i>r</i> | External thread        |                                    |                                    |
|-----------------------|--------------------------------------------|----------------------------------------------|------------------------------|------------------------------------------|------------------------|------------------------------------|------------------------------------|
|                       |                                            |                                              |                              |                                          | Major dia.<br><i>d</i> | Pitch dia.<br><i>d<sub>2</sub></i> | Minor dia.<br><i>d<sub>1</sub></i> |
|                       |                                            |                                              |                              |                                          | Internal thread        |                                    |                                    |
|                       |                                            |                                              |                              |                                          | Major dia.<br><i>D</i> | Pitch dia.<br><i>D<sub>2</sub></i> | Minor dia.<br><i>D<sub>1</sub></i> |
| PF 1/8                | 28                                         | 0.9071                                       | 0.581                        | 0.12                                     | 9.728                  | 9.147                              | 8.566                              |
| PF 1/4                | 19                                         | 1.3368                                       | 0.856                        | 0.18                                     | 13.157                 | 12.301                             | 11.445                             |
| PF 3/8                | 19                                         | 1.3368                                       | 0.856                        | 0.18                                     | 16.662                 | 15.806                             | 14.950                             |
| PF 1/2                | 14                                         | 1.8143                                       | 1.162                        | 0.25                                     | 20.955                 | 19.793                             | 18.631                             |
| PF 5/8                | 14                                         | 1.8143                                       | 1.162                        | 0.25                                     | 22.911                 | 21.749                             | 20.587                             |
| PF 3/4                | 14                                         | 1.8143                                       | 1.162                        | 0.25                                     | 26.441                 | 25.279                             | 24.117                             |
| PF 7/8                | 14                                         | 1.8143                                       | 1.162                        | 0.25                                     | 30.201                 | 29.039                             | 27.877                             |
| PF 1                  | 11                                         | 2.3091                                       | 1.479                        | 0.32                                     | 33.249                 | 31.770                             | 30.291                             |
| PF 1 1/8              | 11                                         | 2.3091                                       | 1.479                        | 0.32                                     | 37.897                 | 36.418                             | 34.939                             |
| PF 1 1/4              | 11                                         | 2.3091                                       | 1.479                        | 0.32                                     | 41.910                 | 40.431                             | 38.952                             |
| PF 1 1/2              | 11                                         | 2.3091                                       | 1.479                        | 0.32                                     | 47.803                 | 46.324                             | 44.845                             |
| PF 1 3/4              | 11                                         | 2.3091                                       | 1.479                        | 0.32                                     | 53.746                 | 52.267                             | 50.788                             |
| PF 2                  | 11                                         | 2.3091                                       | 1.479                        | 0.32                                     | 59.614                 | 58.135                             | 56.656                             |
| PF 2 1/4              | 11                                         | 2.3091                                       | 1.479                        | 0.32                                     | 65.710                 | 64.231                             | 62.752                             |
| PF 2 1/2              | 11                                         | 2.3091                                       | 1.479                        | 0.32                                     | 75.184                 | 73.705                             | 72.226                             |
| PF 2 3/4              | 11                                         | 2.3091                                       | 1.479                        | 0.32                                     | 81.534                 | 80.055                             | 78.576                             |
| PF 3                  | 11                                         | 2.3091                                       | 1.479                        | 0.32                                     | 87.884                 | 86.405                             | 84.926                             |
| PF 3 1/2              | 11                                         | 2.3091                                       | 1.479                        | 0.32                                     | 100.330                | 98.851                             | 97.372                             |
| PF 4                  | 11                                         | 2.3091                                       | 1.479                        | 0.32                                     | 113.030                | 111.551                            | 110.072                            |
| PF 4 1/2              | 11                                         | 2.3091                                       | 1.479                        | 0.32                                     | 125.730                | 124.251                            | 122.772                            |
| PF 5                  | 11                                         | 2.3091                                       | 1.479                        | 0.32                                     | 138.430                | 136.951                            | 135.472                            |
| PF 5 1/2              | 11                                         | 2.3091                                       | 1.479                        | 0.32                                     | 151.130                | 149.651                            | 148.172                            |
| PF 6                  | 11                                         | 2.3091                                       | 1.479                        | 0.32                                     | 163.830                | 162.351                            | 160.872                            |
| PF 7                  | 11                                         | 2.3091                                       | 1.479                        | 0.32                                     | 189.230                | 187.751                            | 186.272                            |
| PF 8                  | 11                                         | 2.3091                                       | 1.479                        | 0.32                                     | 214.630                | 213.151                            | 211.672                            |
| PF 9                  | 11                                         | 2.3091                                       | 1.479                        | 0.32                                     | 240.030                | 238.551                            | 237.072                            |
| PF 10                 | 11                                         | 2.3091                                       | 1.479                        | 0.32                                     | 265.430                | 263.951                            | 262.472                            |
| PF 12                 | 11                                         | 2.3091                                       | 1.479                        | 0.32                                     | 316.230                | 314.751                            | 313.272                            |

Remarks: The notation PF indicating parallel pipe threads in the Table may be omitted as necessary.

Annex Table 2. Dimensional tolerances

Unit:  $\mu\text{m}$ 

| Designation of thread | Number of threads (in 25.4 mm) | External thread |                 |                  |                 |         |                  |                 | Internal thread |                 |                  |                   |         |                  |                   |
|-----------------------|--------------------------------|-----------------|-----------------|------------------|-----------------|---------|------------------|-----------------|-----------------|-----------------|------------------|-------------------|---------|------------------|-------------------|
|                       |                                | Major dia. $d$  |                 | Pitch dia. $d_2$ |                 |         | Minor dia. $d_1$ |                 | Major dia. $D$  |                 | Pitch dia. $D_2$ |                   |         | Minor dia. $D_1$ |                   |
|                       |                                | Upper deviation | Lower deviation | Upper deviation  | Lower deviation |         | Upper deviation  | Lower deviation | Lower deviation | Upper deviation | Lower deviation  | Upper deviation + |         | Lower deviation  | Upper deviation + |
|                       |                                |                 |                 |                  | Class A         | Class B |                  |                 |                 |                 |                  | Class A           | Class B |                  |                   |
| PF 1/8                | 28                             | 0               | 214             | 0                | 107             | 214     | 0                | Unspecified     | 0               | Unspecified     | 0                | 107               | 214     | 0                | 282               |
| PF 1/4                | 19                             | 0               | 250             | 0                | 125             | 250     | 0                |                 | 0               |                 | 0                | 125               | 250     | 0                | 445               |
| PF 3/8                | 19                             | 0               | 250             | 0                | 125             | 250     | 0                |                 | 0               |                 | 0                | 125               | 250     | 0                | 445               |
| PF 1/2                | 14                             | 0               | 284             | 0                | 142             | 284     | 0                |                 | 0               |                 | 0                | 142               | 284     | 0                | 541               |
| PF 5/8                | 14                             | 0               | 284             | 0                | 142             | 284     | 0                |                 | 0               |                 | 0                | 142               | 284     | 0                | 541               |
| PF 3/4                | 14                             | 0               | 284             | 0                | 142             | 284     | 0                |                 | 0               |                 | 0                | 142               | 284     | 0                | 541               |
| PF 7/8                | 14                             | 0               | 284             | 0                | 142             | 284     | 0                |                 | 0               |                 | 0                | 142               | 284     | 0                | 541               |
| PF 1                  | 11                             | 0               | 360             | 0                | 180             | 360     | 0                |                 | 0               |                 | 0                | 180               | 360     | 0                | 640               |
| PF 1 1/8              | 11                             | 0               | 360             | 0                | 180             | 360     | 0                |                 | 0               |                 | 0                | 180               | 360     | 0                | 640               |
| PF 1 1/4              | 11                             | 0               | 360             | 0                | 180             | 360     | 0                |                 | 0               |                 | 0                | 180               | 360     | 0                | 640               |
| PF 1 1/2              | 11                             | 0               | 360             | 0                | 180             | 360     | 0                |                 | 0               |                 | 0                | 180               | 360     | 0                | 640               |
| PF 1 3/4              | 11                             | 0               | 360             | 0                | 180             | 360     | 0                |                 | 0               |                 | 0                | 180               | 360     | 0                | 640               |
| PF 2                  | 11                             | 0               | 360             | 0                | 180             | 360     | 0                |                 | 0               |                 | 0                | 180               | 360     | 0                | 640               |
| PF 2 1/4              | 11                             | 0               | 434             | 0                | 217             | 434     | 0                |                 | 0               |                 | 0                | 217               | 434     | 0                | 640               |
| PF 2 1/2              | 11                             | 0               | 434             | 0                | 217             | 434     | 0                |                 | 0               |                 | 0                | 217               | 434     | 0                | 640               |
| PF 2 3/4              | 11                             | 0               | 434             | 0                | 217             | 434     | 0                |                 | 0               |                 | 0                | 217               | 434     | 0                | 640               |
| PF 3                  | 11                             | 0               | 434             | 0                | 217             | 434     | 0                |                 | 0               |                 | 0                | 217               | 434     | 0                | 640               |
| PF 3 1/2              | 11                             | 0               | 434             | 0                | 217             | 434     | 0                |                 | 0               |                 | 0                | 217               | 434     | 0                | 640               |
| PF 4                  | 11                             | 0               | 434             | 0                | 217             | 434     | 0                |                 | 0               |                 | 0                | 217               | 434     | 0                | 640               |
| PF 4 1/2              | 11                             | 0               | 434             | 0                | 217             | 434     | 0                |                 | 0               |                 | 0                | 217               | 434     | 0                | 640               |
| PF 5                  | 11                             | 0               | 434             | 0                | 217             | 434     | 0                |                 | 0               |                 | 0                | 217               | 434     | 0                | 640               |
| PF 5 1/2              | 11                             | 0               | 434             | 0                | 217             | 434     | 0                |                 | 0               |                 | 0                | 217               | 434     | 0                | 640               |
| PF 6                  | 11                             | 0               | 434             | 0                | 217             | 434     | 0                |                 | 0               |                 | 0                | 217               | 434     | 0                | 640               |
| PF 7                  | 11                             | 0               | 636             | 0                | 318             | 636     | 0                |                 | 0               |                 | 0                | 318               | 636     | 0                | 640               |
| PF 8                  | 11                             | 0               | 636             | 0                | 318             | 636     | 0                | 0               | 0               | 318             | 636              | 0                 | 640     |                  |                   |
| PF 9                  | 11                             | 0               | 636             | 0                | 318             | 636     | 0                | 0               | 0               | 318             | 636              | 0                 | 640     |                  |                   |
| PF 10                 | 11                             | 0               | 636             | 0                | 318             | 636     | 0                | 0               | 0               | 318             | 636              | 0                 | 640     |                  |                   |
| PF 12                 | 11                             | 0               | 794             | 0                | 397             | 794     | 0                | 0               | 0               | 397             | 794              | 0                 | 800     |                  |                   |

- Remarks
- Although not expressly specified in this Table, the tolerance on the half angle of profile triangle and that on the pitch are included in the tolerance on pitch diameter after converted to pitch diameter equivalents.
  - External threads and internal threads of different classes, including the threads specified in the text of this Standard, can be used in combination with each other.
  - The contents of this Table in shaded zones are out of specification of this Annex, but the tolerances are the same as those of the external and internal threads of G 1/8 to G 6 in designation specified in Attached Table 2 of the text. However, it is recommended that these should not be used from the viewpoint of harmonization with ISO standards, since the designations of threads are different.

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