Timing pulleys IMPERIAL PITCH are available with solid hub execution and for assembly with SER-SIT® taper bushing. These types of pulleys are available in a wide range of pitches and teeth number.

## Solid hub

Material: aluminum/cast iron/steel.
Finishing: black manganese phosphating (aluminum is not treated).

Pitch:

- XL
- L
- H
- XH
- XXH



## For mounting taper bushing SER-SIT ${ }^{\text {® }}$

Material: cast iron.
Finishing: black manganese phosphating.

## Pitch:

-L

- H
- XH



## Special executions

Upon request, SIT is able to design and manufacture any type of pulley based on customer requirements.
For peripheral speed exceeding $33 \mathrm{~m} / \mathrm{s}$ it is strongly recommended to use steel as material of construction.
peripheral speed $[\mathrm{m} / \mathrm{s}]=\quad$ pulley diameter $[\mathrm{mm}] \cdot \mathrm{rpm}$

In order to reduce the system weight, the pulleys can be manufactured from light metals; in this case the lifetime will be reduced when compared to the standard because the nylon belt coating has a slightly abrasive effect. This disadvantage can be reduced with a high thickness anodization coating of the teeth.

## Flanged pulleys

Timing belts, when in motion, have a slight lateral displacement. It is therefore necessary to use at least one flanged pulley to prevent the belt jumping out of the pulley.
Usually, in order to reduce the costs, the flanged pulley is the one with the smaller diameter.
In any case, when the distance of the axes is greater than 8 times the diameter of the small pulley, or when the transmission is working on shafts arranged in a position that is not horizontal, both pulleys have to be flanged.

## TOLERANCES

Pulley diameter tolerances

| External diameter <br> $[\mathrm{mm}]$ | Tolerances <br> $[\mathrm{mm}]$ |
| :--- | :--- |
| up to $\mathbf{2 5 , 4}$ | $-0,05+0,00$ |
| from $\mathbf{2 5 , 5}$ to $\mathbf{5 0 , 8}$ | $-0,08+0,00$ |
| from 50,9 to $\mathbf{1 0 2}$ | $-0,10+0,00$ |
| from 103 to $\mathbf{1 7 8}$ | $-0,13+0,00$ |
| from 179 to $\mathbf{3 0 5}$ | $-0,15+0,00$ |
| from 306 to 509 | $-0,18+0,00$ |
| from 510 to 761 | $-0,20+0,00$ |
| from 762 to $\mathbf{1 0 1 5}$ | $-0,23+0,00$ |
| more than $\mathbf{1 0 1 6}$ | $-0,25+0,00$ |

Radial circular runout

| External diameter <br> $[\mathrm{mm}]$ | Measured total eccentricity <br> $[\mathrm{mm}]$ |
| :---: | :---: |
| up to 203,2 | 0,13 |
| more than 203,2 | add 0,013 for any 25,4 of diameter |

Cylindricity tolerance

| Pulley width | Tolerances |
| :---: | :---: |
| for any $\mathbf{1 0 0 ~ m m ~}$ | $0,1 \mathrm{~mm}$ |
| without exceeding the external diameter tolerance |  |

## Protective coating

All (steel and cast iron) pulleys are treated with a black manganese phosphating process that gives greater resistance against oxidizing agents. This treatment does not modify the profile or the dimensions of the pulleys.
On request SIT can provide a wide range of special coating, related to the customer specific needs or environmental critical conditions.

## Note

Due to a constant improvement of our products, technical data of the pulleys may be subject to changes.

Dimensions of timing pulleys IMPERIAL PITCH - solid hub

$$
\text { PD ... L } 050
$$

| Code | Teeth nr. | Type | $\begin{gathered} \mathrm{E} \\ {[\mathrm{~mm}]} \end{gathered}$ | $\begin{gathered} \mathrm{R} \\ {[\mathrm{~mm}]} \end{gathered}$ | $\begin{gathered} \mathrm{S} \\ {[\mathrm{~mm}]} \end{gathered}$ | $\begin{gathered} \mathrm{U} \\ {[\mathrm{~mm}]} \end{gathered}$ | $\begin{gathered} \mathrm{H} \\ {[\mathrm{~mm}]} \end{gathered}$ | $\begin{gathered} \mathrm{d} \\ {[\mathrm{~mm}]} \end{gathered}$ | $\begin{gathered} \text { W } \\ {[\mathrm{mm}]} \end{gathered}$ | $\begin{gathered} \mathrm{Y} \\ {[\mathrm{~mm}]} \end{gathered}$ | $\begin{gathered} \mathrm{Z} \\ {[\mathrm{~mm}]} \end{gathered}$ | Flange | Material |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PD10L050 | 10 | 1 | 37,0 | 30,32 | 29,56 | - | 20,0 | - | 19,0 | 30,0 | 11,0 |  | $\begin{aligned} & \bar{\Phi} \\ & \stackrel{\otimes}{\omega} \end{aligned}$ |
| PD11L050 | 11 | 1 | 37,0 | 33,35 | 32,59 | - | 20,0 | - | 19,0 | 30,0 | 11,0 |  |  |
| PD12L050 | 12 | 1 | 43,0 | 36,38 | 35,62 | - | 27,0 | - | 19,0 | 30,0 | 11,0 |  |  |
| PD13L050 | 13 | 1 | 44,0 | 39,41 | 38,65 | - | 27,0 | - | 19,0 | 30,0 | 11,0 |  |  |
| PD14L050 | 14 | 1 | 48,0 | 42,45 | 41,69 | - | 29,0 | - | 19,0 | 30,0 | 11,0 |  |  |
| PD15L050 | 15 | 1 | 51,0 | 45,48 | 44,72 | - | 32,0 | - | 19,0 | 30,0 | 11,0 |  |  |
| PD16L050 | 16 | 1 | 54,0 | 48,51 | 47,75 | - | 37,0 | - | 19,0 | 30,0 | 11,0 |  |  |
| PD17L050 | 17 | 1 | 57,0 | 51,54 | 50,78 | - | 37,0 | - | 19,0 | 30,0 | 11,0 |  |  |
| PD18L050 | 18 | 1 | 60,0 | 54,57 | 53,81 | - | 41,0 | - | 19,0 | 30,0 | 11,0 |  |  |
| PD19L050 | 19 | 1 | 64,0 | 57,61 | 56,84 | - | 41,0 | - | 19,0 | 30,0 | 11,0 |  |  |
| PD20L050 | 20 | 1 | 66,5 | 60,64 | 59,88 | - | 47,0 | - | 19,0 | 30,0 | 11,0 |  |  |
| PD21L050 | 21 | 1 | 70,0 | 63,67 | 62,91 | - | 47,0 | - | 19,0 | 30,0 | 11,0 |  |  |
| PD22L050 | 22 | 1 | 75,0 | 66,70 | 65,94 | - | 50,0 | - | 19,0 | 30,0 | 11,0 |  |  |
| PD23L050 | 24 | 1 | 79,0 | 69,73 | 68,97 | - | 50,0 | - | 19,0 | 30,0 | 11,0 |  |  |
| PD24L050 | 26 | 1 | 79,0 | 72,77 | 72,01 | - | 55,0 | - | 19,0 | 32,0 | 13,0 |  |  |
| PD25L050 | 25 | 1 | 82,5 | 75,80 | 75,04 | - | 58,0 | - | 19,0 | 32,0 | 13,0 |  |  |
| PD26L050 | 26 | 1 | 86,0 | 78,83 | 78,07 | - | 64,0 | - | 19,0 | 32,0 | 13,0 |  |  |
| PD27L050 | 27 | 1 | 86,0 | 81,86 | 81,10 | - | 64,0 | - | 19,0 | 32,0 | 13,0 |  |  |
| PD28L050 | 28 | 1 | 91,0 | 84,89 | 84,13 | - | 70,0 | - | 19,0 | 32,0 | 13,0 |  |  |
| PD29L050 | 29 | 1 | 94,0 | 87,93 | 87,16 | - | 70,0 | - | 19,0 | 32,0 | 13,0 |  |  |
| PD30L050 | 30 | 1 | 97,0 | 90,96 | 90,20 | - | 72,0 | - | 19,0 | 34,0 | 15,0 |  |  |
| PD32L050 | 32 | 1 | 102,0 | 97,02 | 96,26 | - | 75,0 | - | 19,0 | 34,0 | 15,0 |  |  |
| PD33L050 | 33 | 1 | 106,0 | 100,05 | 99,29 | - | 80,0 | - | 19,0 | 34,0 | 15,0 |  |  |
| PD34L050 | 34 | 1 | 112,0 | 103,08 | 102,32 | - | 85,0 | - | 19,0 | 34,0 | 15,0 |  |  |
| PD35L050 | 35 | 1 | 112,0 | 106,12 | 105,35 | - | 88,0 | - | 19,0 | 34,0 | 15,0 |  |  |
| PD36L050 | 36 | 1 | 115,0 | 109,15 | 108,39 | - | 88,0 | - | 19,0 | 34,0 | 15,0 |  |  |
| PD40L050 | 40 | 3 | 128,0 | 121,28 | 120,52 | 100,0 | 68,0 | 11,0 | 19,0 | 34,0 | 15,0 |  |  |
| PD41L050 | 41 | 3 | 128,0 | 124,31 | 123,55 | 103,0 | 68,0 | 11,0 | 19,0 | 34,0 | 15,0 |  |  |
| PD42L050 | 42 | 3 | 135,0 | 127,34 | 126,58 | 106,0 | 68,0 | 11,0 | 19,0 | 34,0 | 15,0 |  |  |
| PD44L050 | 44 | 3 | 142,0 | 133,40 | 132,64 | 112,0 | 68,0 | 11,0 | 19,0 | 34,0 | 15,0 |  |  |
| PD45L050 | 45 | 3 | 142,0 | 136,44 | 135,67 | 115,0 | 68,0 | 11,0 | 19,0 | 34,0 | 15,0 |  |  |
| PD47L050 | 47 | 3 | 150,0 | 142,50 | 141,74 | 121,0 | 68,0 | 11,0 | 19,0 | 34,0 | 15,0 |  |  |
| PD48L050 | 48 | 3 | 150,0 | 145,53 | 144,77 | 124,0 | 68,0 | 11,0 | 19,0 | 46,0 | 27,0 |  |  |
| PD49L050 | 49 | 3A | - | 148,56 | 147,80 | 127,0 | 68,0 | 12,0 | 19,0 | 46,0 | 27,0 |  |  |
| PD50L050 | 50 | 3A | - | 151,60 | 150,83 | 130,0 | 68,0 | 12,0 | 19,0 | 46,0 | 27,0 |  |  |
| PD52L050 | 52 | 3A | - | 157,66 | 156,90 | 136,0 | 68,0 | 12,0 | 19,0 | 46,0 | 27,0 |  |  |
| PD56L050 | 56 | 3A | - | 169,79 | 169,02 | 139,0 | 68,0 | 12,0 | 19,0 | 46,0 | 27,0 |  |  |
| PD57L050 | 57 | 3A | - | 172,82 | 172,06 | 152,0 | 68,0 | 12,0 | 19,0 | 46,0 | 27,0 |  |  |
| PD60L050 | 60 | 3A | - | 181,91 | 181,15 | 160,0 | 68,0 | 12,0 | 19,0 | 46,0 | 27,0 |  |  |
| PD65L050 | 65 | 3A | - | 197,07 | 196,31 | 176,0 | 68,0 | 12,0 | 19,0 | 46,0 | 27,0 |  |  |
| PD66L050 | 66 | 3A | - | 200,11 | 199,34 | 179,0 | 68,0 | 12,0 | 19,0 | 46,0 | 27,0 |  |  |
| PD72L050 | 72 | 3A | - | 218,30 | 217,54 | 197,0 | 75,0 | 12,0 | 19,0 | 46,0 | 27,0 |  |  |
| PD84L050 | 84 | 3A | - | 254,68 | 253,92 | 233,0 | 75,0 | 12,0 | 19,0 | 46,0 | 27,0 |  |  |
| PD90L050 | 90 | 3A | - | 272,87 | 272,11 | 252,0 | 75,0 | 12,0 | 19,0 | 46,0 | 27,0 |  |  |
| PD96L050 | 96 | 3A | - | 291,06 | 290,30 | 270,0 | 80,0 | 12,0 | 19,0 | 46,0 | 27,0 |  |  |
| PD120L050 | 120 | 5A | - | 363,83 | 363,07 | 342,0 | 85,0 | 18,0 | 19,0 | 46,0 | 27,0 |  |  |



1

$3 A^{*}$


5A

[^0]
## Dimensions of timing pulleys IMPERIAL PITCH - solid hub

$$
\text { PD ... L } 075
$$

L

| Code | Teeth nr. | Type | $\begin{gathered} E \\ {[\mathrm{~mm}]} \end{gathered}$ | $\begin{gathered} \mathrm{R} \\ {[\mathrm{~mm}]} \end{gathered}$ | $\begin{gathered} \mathrm{S} \\ {[\mathrm{~mm}]} \end{gathered}$ | $\begin{gathered} \mathrm{U} \\ {[\mathrm{~mm}]} \end{gathered}$ | $\begin{gathered} \mathrm{H} \\ {[\mathrm{~mm}]} \end{gathered}$ | $\begin{gathered} d \\ {[\mathrm{~mm}]} \end{gathered}$ | $\begin{gathered} \mathrm{W} \\ {[\mathrm{~mm}]} \end{gathered}$ | $\begin{gathered} \mathrm{Y} \\ {[\mathrm{~mm}]} \end{gathered}$ | $\begin{gathered} \mathrm{Z} \\ {[\mathrm{~mm}]} \end{gathered}$ | Flange | Material |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PD10L075 | 10 | 1 | 37,0 | 30,32 | 29,56 | - | 20,0 | - | 25,4 | 38,0 | 12,6 |  | $\begin{aligned} & \bar{\oplus} \\ & \stackrel{\oplus}{\omega} \end{aligned}$ |
| PD11L075 | 11 | 1 | 37,0 | 33,35 | 32,59 | - | 20,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD12L075 | 12 | 1 | 43,0 | 36,38 | 35,62 | - | 27,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD13L075 | 13 | 1 | 44,0 | 39,41 | 38,65 | - | 27,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD14L075 | 14 | 1 | 48,0 | 42,45 | 41,69 | - | 29,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD15L075 | 15 | 1 | 51,0 | 45,48 | 44,72 | - | 32,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD16L075 | 16 | 1 | 54,0 | 48,51 | 47,75 | - | 37,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD17L075 | 17 | 1 | 57,0 | 51,54 | 50,78 | - | 37,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD18L075 | 18 | 1 | 60,0 | 54,57 | 53,81 | - | 41,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD19L075 | 19 | 1 | 64,0 | 57,61 | 56,84 | - | 41,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD20L075 | 20 | 1 | 66,5 | 60,64 | 59,88 | - | 47,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD21L075 | 21 | 1 | 70,0 | 63,67 | 62,91 | - | 47,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD22L075 | 22 | 1 | 75,0 | 66,70 | 65,94 | - | 50,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD23L075 | 23 | 1 | 79,0 | 69,73 | 68,97 | - | 50,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD24L075 | 24 | 1 | 79,0 | 72,77 | 72,01 | - | 57,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD25L075 | 25 | 1 | 83,0 | 75,80 | 75,04 | - | 58,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD26L075 | 26 | 1 | 87,0 | 78,83 | 78,07 | - | 64,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD27L075 | 27 | 1 | 87,0 | 81,86 | 81,10 | - | 64,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD28L075 | 28 | 1 | 91,0 | 84,89 | 84,13 | - | 70,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD29L075 | 29 | 1 | 93,0 | 87,93 | 87,16 | - | 70,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD30L075 | 30 | 1 | 97,0 | 90,96 | 90,20 | - | 72,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD32L075 | 32 | 1 | 102,0 | 97,02 | 96,26 | - | 75,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD33L075 | 33 | 1 | 106,0 | 100,05 | 99,29 | - | 80,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD34L075 | 34 | 1 | 112,0 | 103,08 | 102,32 | - | 85,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD35L075 | 35 | 1 | 112,0 | 106,12 | 105,35 | - | 88,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD36L075 | 36 | 1 | 128,0 | 109,15 | 108,39 | - | 88,0 | - | 25,4 | 38,0 | 12,6 |  |  |
| PD40L075 | 40 | 3 | 128,0 | 121,28 | 120,52 | 100,0 | 68,0 | 11,0 | 25,4 | 38,0 | 12,6 |  |  |
| PD41L075 | 41 | 3 | 128,0 | 124,31 | 123,55 | 103,0 | 68,0 | 11,0 | 25,4 | 38,0 | 12,6 |  |  |
| PD42L075 | 42 | 3 | 135,0 | 127,34 | 126,58 | 106,0 | 68,0 | 11,0 | 25,4 | 38,0 | 12,6 |  |  |
| PD44L075 | 44 | 3 | 142,0 | 133,40 | 132,64 | 112,0 | 68,0 | 11,0 | 25,4 | 38,0 | 12,6 |  |  |
| PD45L075 | 45 | 3 | 150,0 | 136,44 | 135,67 | 115,0 | 68,0 | 11,0 | 25,4 | 38,0 | 12,6 |  |  |
| PD47L075 | 47 | 3 | 150,0 | 142,50 | 141,74 | 121,0 | 68,0 | 11,0 | 25,4 | 38,0 | 12,6 |  |  |
| PD48L075 | 48 | 3 | 150,0 | 145,53 | 144,77 | 124,0 | 68,0 | 11,0 | 25,4 | 48,0 | 22,6 |  |  |
| PD49L075 | 49 | 3A | - | 148,56 | 147,80 | 127,0 | 68,0 | 12,0 | 25,4 | 48,0 | 22,6 |  |  |
| PD50L075 | 50 | 3A | - | 151,60 | 150,83 | 130,0 | 68,0 | 12,0 | 25,4 | 48,0 | 22,6 |  |  |
| PD52L075 | 52 | 3A | - | 157,66 | 156,90 | 136,0 | 68,0 | 12,0 | 25,4 | 48,0 | 22,6 |  |  |
| PD56L075 | 56 | 3A | - | 169,79 | 169,02 | 139,0 | 68,0 | 12,0 | 25,4 | 48,0 | 22,6 |  |  |
| PD57L075 | 57 | 3A | - | 172,82 | 172,06 | 152,0 | 68,0 | 12,0 | 25,4 | 48,0 | 22,6 |  |  |
| PD60L075 | 60 | 3A | - | 181,91 | 181,15 | 160,0 | 68,0 | 12,0 | 25,4 | 48,0 | 22,6 |  |  |
| PD65L075 | 65 | 3A | - | 197,07 | 196,31 | 176,0 | 68,0 | 12,0 | 25,4 | 48,0 | 22,6 |  |  |
| PD66L075 | 66 | 3A | - | 200,11 | 199,34 | 179,0 | 68,0 | 12,0 | 25,4 | 48,0 | 22,6 |  |  |
| PD72L075 | 72 | 3A | - | 218,30 | 217,54 | 197,0 | 75,0 | 12,0 | 25,4 | 48,0 | 22,6 |  |  |
| PD84L075 | 84 | 3A | - | 254,68 | 253,92 | 233,0 | 75,0 | 12,0 | 25,4 | 48,0 | 22,6 |  |  |
| PD90L075 | 90 | 3A | - | 272,87 | 272,11 | 252,0 | 75,0 | 12,0 | 25,4 | 48,0 | 22,6 |  |  |
| PD96L075 | 96 | 3A | - | 291,06 | 290,30 | 270,0 | 80,0 | 12,0 | 25,4 | 48,0 | 22,6 |  |  |
| PD120L075 | 120 | 5A | - | 363,83 | 363,07 | 342,0 | 85,0 | 18,0 | 25,4 | 48,0 | 22,6 |  |  |



1

$3 A^{*}$


5A

Dimensions of timing pulleys IMPERIAL PITCH - solid hub

$$
\text { PD ... L } 100
$$

| Code | Teeth nr. | Type | $\begin{gathered} E \\ {[\mathrm{~mm}]} \end{gathered}$ | $\begin{gathered} R \\ {[\mathrm{~mm}]} \end{gathered}$ | $\begin{gathered} \mathrm{S} \\ {[\mathrm{~mm}]} \end{gathered}$ | $\begin{gathered} \mathrm{U} \\ {[\mathrm{~mm}]} \end{gathered}$ | H [mm] | $\begin{gathered} \mathrm{d} \\ {[\mathrm{~mm}]} \end{gathered}$ | $\begin{gathered} \text { W } \\ {[\mathrm{mm}]} \end{gathered}$ | $\begin{gathered} \mathrm{Y} \\ {[\mathrm{~mm}]} \end{gathered}$ | $\underset{[\mathrm{mm}]}{\mathrm{Z}}$ | Flange | Material |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PD10L100 | 10 | 1 | 37,0 | 30,32 | 29,56 | - | 20,0 | - | 32,0 | 46,0 | 14,0 |  | $\begin{aligned} & \bar{\Phi} \\ & \stackrel{\otimes}{\omega} \end{aligned}$ |
| PD11L100 | 11 | 1 | 37,0 | 33,35 | 32,59 | - | 20,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD12L100 | 12 | 1 | 43,0 | 36,38 | 35,62 | - | 27,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD13L100 | 13 | 1 | 44,0 | 39,41 | 38,65 | - | 27,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD14L100 | 14 | 1 | 48,0 | 42,45 | 41,69 | - | 29,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD15L100 | 15 | 1 | 51,0 | 45,48 | 44,72 | - | 32,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD16L100 | 16 | 1 | 54,0 | 48,51 | 47,75 | - | 37,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD17L100 | 17 | 1 | 57,0 | 51,54 | 50,78 | - | 37,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD18L100 | 18 | 1 | 60,0 | 54,57 | 53,81 | - | 41,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD19L100 | 19 | 1 | 64,0 | 57,61 | 56,84 | - | 41,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD20L100 | 20 | 1 | 66,5 | 60,64 | 59,88 | - | 47,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD21L100 | 21 | 1 | 70,0 | 63,67 | 62,91 | - | 47,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD22L100 | 22 | 1 | 75,0 | 66,70 | 65,94 | - | 50,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD23L100 | 23 | 1 | 79,0 | 69,73 | 68,97 | - | 50,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD24L100 | 24 | 1 | 79,0 | 72,77 | 72,01 | - | 57,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD25L100 | 25 | 1 | 82,5 | 75,80 | 75,04 | - | 58,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD26L100 | 26 | 1 | 86,0 | 78,83 | 78,07 | - | 64,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD27L100 | 27 | 1 | 86,0 | 81,86 | 81,10 | - | 64,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD28L100 | 28 | 1 | 91,0 | 84,89 | 84,13 | - | 70,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD29L100 | 29 | 1 | 93,0 | 87,93 | 87,16 | - | 70,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD30L100 | 30 | 1 | 97,0 | 90,96 | 90,20 | - | 72,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD32L100 | 32 | 1 | 102,0 | 97,02 | 96,26 | - | 75,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD33L100 | 33 | 1 | 106,0 | 100,05 | 99,29 | - | 80,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD34L100 | 34 | 1 | 112,0 | 103,08 | 102,32 | - | 85,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD35L100 | 35 | 1 | 112,0 | 106,12 | 105,35 | - | 88,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD36L100 | 36 | 1 | 115,0 | 109,15 | 108,39 | - | 88,0 | - | 32,0 | 46,0 | 14,0 |  |  |
| PD40L100 | 40 | 3 | 128,0 | 121,28 | 120,52 | 100,0 | 68,0 | 11,0 | 32,0 | 46,0 | 14,0 |  |  |
| PD41L100 | 41 | 3 | 128,0 | 124,31 | 123,55 | 103,0 | 68,0 | 11,0 | 32,0 | 46,0 | 14,0 |  |  |
| PD42L100 | 42 | 3 | 135,0 | 127,34 | 126,58 | 106,0 | 68,0 | 11,0 | 32,0 | 46,0 | 14,0 |  |  |
| PD44L100 | 44 | 3 | 142,0 | 133,40 | 132,64 | 112,0 | 68,0 | 11,0 | 32,0 | 46,0 | 14,0 |  |  |
| PD45L100 | 45 | 3 | 142,0 | 136,44 | 135,67 | 115,0 | 68,0 | 11,0 | 32,0 | 46,0 | 14,0 |  |  |
| PD47L100 | 47 | 3 | 150,0 | 142,50 | 141,74 | 121,0 | 68,0 | 11,0 | 32,0 | 46,0 | 14,0 |  |  |
| PD48L100 | 48 | 3 | 150,0 | 145,53 | 144,77 | 124,0 | 68,0 | 11,0 | 32,0 | 50,0 | 18,0 |  |  |
| PD49L100 | 49 | 3A | - | 148,56 | 147,80 | 127,0 | 68,0 | 12,0 | 32,0 | 50,0 | 18,0 |  |  |
| PD50L100 | 50 | 3A | - | 151,60 | 150,83 | 130,0 | 68,0 | 12,0 | 32,0 | 50,0 | 18,0 |  |  |
| PD52L100 | 52 | 3A | - | 157,66 | 156,90 | 136,0 | 68,0 | 12,0 | 32,0 | 50,0 | 18,0 |  |  |
| PD56L100 | 56 | 3A | - | 169,79 | 169,02 | 139,0 | 68,0 | 12,0 | 32,0 | 50,0 | 18,0 |  |  |
| PD57L100 | 57 | 3A | - | 172,82 | 172,06 | 152,0 | 68,0 | 12,0 | 32,0 | 50,0 | 18,0 |  |  |
| PD60L100 | 60 | 3A | - | 181,91 | 181,15 | 160,0 | 75,0 | 12,0 | 32,0 | 54,0 | 22,0 |  |  |
| PD65L100 | 65 | 3A | - | 197,07 | 196,31 | 176,0 | 75,0 | 12,0 | 32,0 | 54,0 | 22,0 |  |  |
| PD66L100 | 66 | 3A | - | 200,11 | 199,34 | 179,0 | 75,0 | 12,0 | 32,0 | 54,0 | 22,0 |  |  |
| PD72L100 | 72 | 3A | - | 218,30 | 217,54 | 197,0 | 75,0 | 12,0 | 32,0 | 54,0 | 22,0 |  |  |
| PD84L100 | 84 | 3A | - | 254,68 | 253,92 | 233,0 | 80,0 | 12,0 | 32,0 | 54,0 | 22,0 |  |  |
| PD90L100 | 90 | 3A | - | 272,87 | 272,11 | 252,0 | 80,0 | 12,0 | 32,0 | 54,0 | 22,0 |  |  |
| PD96L100 | 96 | 3A | - | 291,06 | 290,30 | 270,0 | 80,0 | 12,0 | 32,0 | 54,0 | 22,0 |  |  |
| PD120L100 | 120 | 5A | - | 363,83 | 363,07 | 342,0 | 90,0 | 18,0 | 32,0 | 54,0 | 22,0 |  |  |



1

$3 A^{*}$


* $=$ A prebore, with a maximum diameter "d", might be present.


[^0]:    * $=$ A prebore, with a maximum diameter "d", might be present.

