



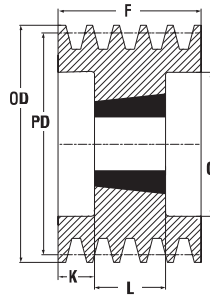
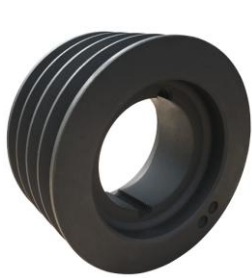
# *Martin* V-BELT PULLEYS

[WWW.MARTINSPROCKET.COM](http://WWW.MARTINSPROCKET.COM)



# V-Belt Pulley Nomenclature

*Martin*



## SOLID TYPE 3 CONSTRUCTION

# of Grooves **4 SPB 150 2517**

Belt Section  
SPA, SPB, SPC, SPZ

Pitch Diameter

Taper Bushed

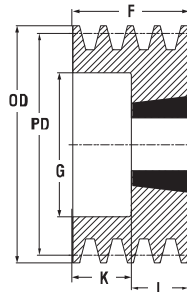
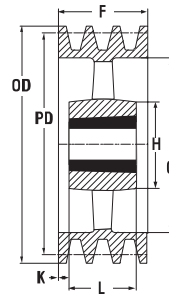
## SPOKED TYPE 5 CONSTRUCTION

**4 SPB 425 3525** Taper Bushed

Pitch Diameter

Belt Section  
SPA, SPB, SPC, SPZ

# of Grooves



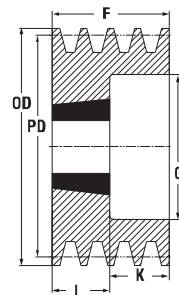
## SOLID TYPE 6 CONSTRUCTION

# of Grooves **3 SPB 100 1610**

Belt Section  
SPA, SPB, SPC, SPZ

Pitch Diameter

Taper Bushed



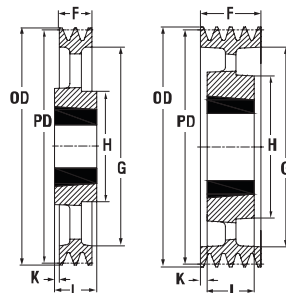
## SOLID TYPE 2 CONSTRUCTION

**3 SPB 140 2012** Taper Bushed

Pitch Diameter

Belt Section  
SPA, SPB, SPC, SPZ

# of Grooves



## SPOKED TYPE 10 & 11 CONSTRUCTION

# of Grooves **2 SPB 280 2517**

Belt Section  
SPA, SPB, SPC, SPZ

Pitch Diameter

Taper Bushed

## MTO V-Belt Pulley Capabilities

- Ductile Iron, Steel, Cast Iron
- Finished Bore
- Fractional Horsepower
- Idle Wheels
- Flat Pulleys
- Fly Wheels
- Wire Rope
- Crusher Duty

## General Balancing Guidelines

- 6,500 FPM & Less:**  
Cast Iron, Static Balance (*Martin* Stock V-Belt Pulleys).
- 6,501 FPM and Over:**  
Ductile Iron or Steel, Dynamic Balance.
- Contact *Martin* for specific application assistance.



# INDEX SECTION D

## V-BELT DRIVES

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## Warning & Safety Reminder

The Martin logo, featuring the word "Martin" in a white, stylized script font on a dark blue rectangular background.

### WARNING & SAFETY REMINDER

Safety must be considered a basic factor in machinery operation at all times. Most accidents are the result of carelessness or negligence. All rotating power transmission products are potentially dangerous and must be guarded by the contractor, installer, purchaser, owner, and user as required by applicable laws, regulations, standards, and good safety practice. Additional specific information must be obtained from other sources including the latest editions of American Society of Mechanical Engineers; Standard A.N.S.I. B15.1. A copy of this standard may be obtained from the American Society of Mechanical Engineers at 345 East 47th Street, New York, NY 10017 (212-705-7722).

It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate the parts or components manufactured and supplied by *Martin* Sprocket & Gear, Inc., in such a manner as to comply with the Williams-Steiger Occupational Safety Act and with all state and local laws, ordinances, regulations, and the American National Standard Institute Safety Code.

### CAUTION

Guards, access doors, and covers must be securely fastened before operating any equipment.

If parts are to be inspected, cleaned, observed, or general maintenance performed, the motor driving the part or components is to be locked out electrically in such a manner that it cannot be started by anyone, however remote from the area. Failure to follow these instructions may result in personal injury or property damage.

### WARNING

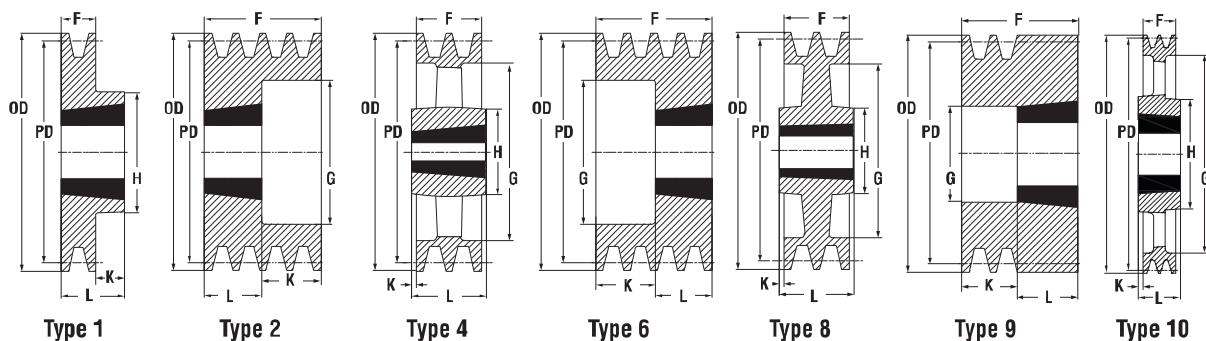
#### NOTE: CATALOG DIMENSIONS

Every effort is made to keep all catalog dimensions and styles current in the catalog, however from time to time, it is necessary because of manufacturing changes to alter stock products dimensionally.

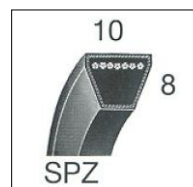
If any stock product dimension or style shown in this catalog is critical to your application please consult factory for certification.

# Martin

## Taper Bushed Pulley **SPZ**



Dimensions for *Martin* pulleys are listed in the following tables with TB bushings in place. The type of pulley shown below is indicated by a number (1 to 11), and the construction is indicated by suffix number (-1 for solid, -2 for web and -3 for spoked).



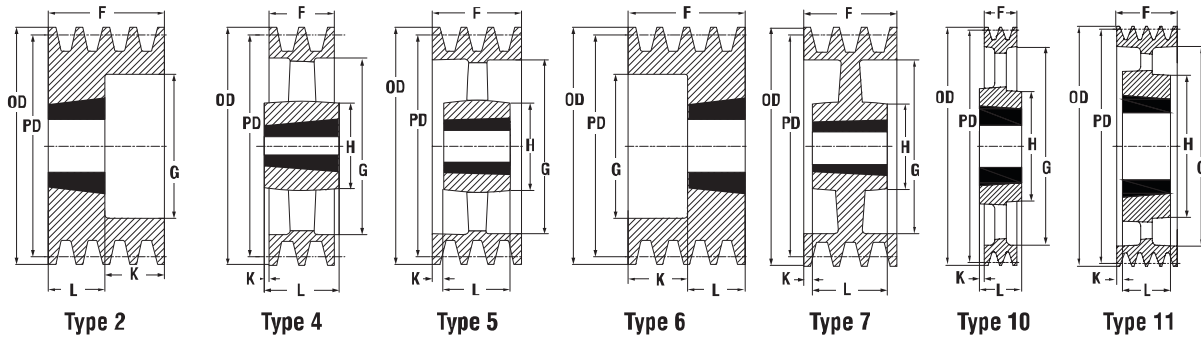
| 1 Groove<br>F = 16mm |     |                   |      |             |              |    |     |    |    |     |     |  |
|----------------------|-----|-------------------|------|-------------|--------------|----|-----|----|----|-----|-----|--|
| Part Number          | OD  | PD<br>SPZ<br>Belt | Type | Bush<br>No. | Max.<br>Bore | F  | G   | K  | L  | H   | Wt. |  |
| 1 SPZ 50             | 54  | 50                | 9    | 1008        | 25           | 37 | 26  | 14 | 23 | -   | 0.3 |  |
| 1 SPZ 56             | 60  | 56                | 9    | 1008        | 25           | 37 | -   | -  | 37 | -   | 0.5 |  |
| 1 SPZ 60             | 64  | 60                | 9    | 1008        | 25           | 22 | -   | -  | 22 | -   | 0.3 |  |
| 1 SPZ 63             | 67  | 63                | 1    | 1108        | 28           | 16 | -   | 6  | 22 | 62  | 0.3 |  |
| 1 SPZ 67             | 71  | 67                | 1    | 1108        | 28           | 16 | -   | 6  | 22 | 62  | 0.3 |  |
| 1 SPZ 71             | 75  | 71                | 1    | 1108        | 28           | 16 | -   | 6  | 22 | 62  | 0.4 |  |
| 1 SPZ 75             | 79  | 75                | 1    | 1108        | 28           | 16 | -   | 6  | 22 | 62  | 0.4 |  |
| 1 SPZ 80             | 84  | 80                | 1    | 1210        | 32           | 16 | -   | 9  | 25 | 75  | 0.5 |  |
| 1 SPZ 85             | 89  | 85                | 1    | 1210        | 32           | 16 | -   | 9  | 25 | 86  | 0.7 |  |
| 1 SPZ 90             | 94  | 90                | 1    | 1210        | 32           | 16 | -   | 9  | 25 | 86  | 0.7 |  |
| 1 SPZ 95             | 99  | 95                | 1    | 1210        | 32           | 16 | -   | 9  | 25 | 86  | 0.8 |  |
| 1 SPZ 100            | 104 | 100               | 1    | 1210        | 32           | 16 | -   | 9  | 25 | 86  | 0.9 |  |
| 1 SPZ 106            | 110 | 106               | 1    | 1610        | 42           | 16 | -   | 9  | 25 | 92  | 1   |  |
| 1 SPZ 112            | 116 | 112               | 1    | 1610        | 42           | 16 | -   | 9  | 25 | 92  | 1.1 |  |
| 1 SPZ 118            | 122 | 118               | 1    | 1610        | 42           | 16 | -   | 9  | 25 | 92  | 1.2 |  |
| 1 SPZ 125            | 129 | 125               | 1    | 1610        | 42           | 16 | -   | 9  | 25 | 92  | 1.3 |  |
| 1 SPZ 132            | 136 | 132               | 1    | 1610        | 42           | 16 | -   | 9  | 25 | 92  | 1.5 |  |
| 1 SPZ 140            | 144 | 140               | 1    | 1610        | 42           | 16 | -   | 9  | 25 | 92  | 1.7 |  |
| 1 SPZ 150            | 154 | 150               | 1    | 1610        | 42           | 16 | -   | 9  | 25 | 92  | 2   |  |
| 1 SPZ 160            | 164 | 160               | 1    | 1610        | 42           | 16 | -   | 9  | 25 | 92  | 2.2 |  |
| 1 SPZ 170            | 174 | 170               | 1    | 1610        | 42           | 16 | -   | 9  | 25 | 92  | 2.2 |  |
| 1 SPZ 180            | 184 | 180               | 8    | 1610        | 42           | 16 | 152 | -  | 25 | 92  | 2.1 |  |
| 1 SPZ 190            | 194 | 190               | 8    | 1610        | 42           | 16 | 162 | -  | 25 | 92  | 2.7 |  |
| 1 SPZ 200            | 204 | 200               | 10   | 2012        | 50           | 16 | 170 | 8  | 32 | 91  | 1.9 |  |
| 1 SPZ 212            | 216 | 212               | 10   | 2012        | 50           | 16 | 182 | 8  | 32 | 91  | 2.1 |  |
| 1 SPZ 224            | 228 | 224               | 10   | 2012        | 50           | 16 | 194 | 8  | 32 | 91  | 2.2 |  |
| 1 SPZ 236            | 240 | 236               | 10   | 2012        | 50           | 16 | 206 | 8  | 32 | 91  | 2.4 |  |
| 1 SPZ 250            | 254 | 250               | 10   | 2012        | 50           | 16 | 220 | 8  | 32 | 91  | 2.5 |  |
| 1 SPZ 280            | 284 | 280               | 10   | 2012        | 50           | 16 | 250 | 8  | 32 | 91  | 2.9 |  |
| 1 SPZ 315            | 319 | 315               | 10   | 2012        | 50           | 16 | 285 | 8  | 32 | 91  | 3.2 |  |
| 1 SPZ 355            | 359 | 355               | 10   | 2012        | 50           | 16 | 325 | 8  | 32 | 91  | 3.7 |  |
| 1 SPZ 400            | 404 | 400               | 4    | 2517        | 60           | 16 | 371 | 8  | 32 | 112 | 6.9 |  |
| 1 SPZ 450            | 454 | 450               | 4    | 2517        | 60           | 16 | 421 | 15 | 45 | 124 | 7.2 |  |
| 1 SPZ 500            | 504 | 500               | 4    | 2517        | 60           | 16 | 470 | 15 | 45 | 124 | 7.5 |  |

| 2 Groove<br>F = 28mm |     |                   |      |             |              |    |     |    |    |     |      |  |
|----------------------|-----|-------------------|------|-------------|--------------|----|-----|----|----|-----|------|--|
| Part Number          | OD  | PD<br>SPZ<br>Belt | Type | Bush<br>No. | Max.<br>Bore | F  | G   | K  | L  | H   | Wt.  |  |
| 2 SPZ 50             | 54  | 50                | 9    | 1008        | 25           | 49 | 26  | 26 | 23 | -   | 0.4  |  |
| 2 SPZ 56             | 60  | 56                | 9    | 1108        | 28           | 49 | 35  | 27 | 22 | -   | 0.5  |  |
| 2 SPZ 60             | 64  | 60                | 9    | 1108        | 28           | 49 | 35  | 27 | 22 | -   | 0.7  |  |
| 2 SPZ 63             | 67  | 63                | 2    | 1108        | 28           | 28 | 40  | 6  | 22 | -   | 0.3  |  |
| 2 SPZ 67             | 71  | 67                | 6    | 1108        | 28           | 28 | -   | -  | 28 | -   | 0.4  |  |
| 2 SPZ 71             | 75  | 71                | 6    | 1108        | 28           | 28 | -   | -  | 28 | -   | 0.5  |  |
| 2 SPZ 75             | 79  | 75                | 6    | 1210        | 32           | 28 | -   | -  | 28 | -   | 0.5  |  |
| 2 SPZ 80             | 84  | 80                | 6    | 1210        | 32           | 28 | -   | -  | 28 | -   | 0.6  |  |
| 2 SPZ 85             | 89  | 85                | 6    | 1610        | 42           | 28 | -   | -  | 28 | -   | 0.6  |  |
| 2 SPZ 90             | 94  | 90                | 6    | 1610        | 42           | 28 | -   | -  | 28 | -   | 0.7  |  |
| 2 SPZ 95             | 99  | 95                | 6    | 1610        | 42           | 28 | -   | -  | 28 | -   | 0.8  |  |
| 2 SPZ 100            | 104 | 100               | 6    | 1610        | 42           | 28 | -   | -  | 28 | -   | 0.9  |  |
| 2 SPZ 106            | 110 | 106               | 6    | 1610        | 42           | 28 | -   | -  | 28 | -   | 1.1  |  |
| 2 SPZ 112            | 116 | 112               | 6    | 1610        | 42           | 28 | -   | -  | 28 | -   | 1.3  |  |
| 2 SPZ 118            | 122 | 118               | 6    | 1610        | 42           | 28 | 90  | 3  | 25 | -   | 1.5  |  |
| 2 SPZ 125            | 129 | 125               | 6    | 1610        | 42           | 28 | 97  | 3  | 25 | -   | 1.7  |  |
| 2 SPZ 132            | 136 | 132               | 6    | 1610        | 42           | 28 | 104 | 3  | 25 | -   | 2    |  |
| 2 SPZ 140            | 144 | 140               | 6    | 1610        | 42           | 28 | 112 | 3  | 25 | -   | 2.4  |  |
| 2 SPZ 150            | 154 | 150               | 1    | 2012        | 50           | 28 | 129 | 4  | 32 | 106 | 2.6  |  |
| 2 SPZ 160            | 164 | 160               | 1    | 2012        | 50           | 28 | 139 | 4  | 32 | 106 | 3.1  |  |
| 2 SPZ 170            | 174 | 170               | 8    | 2012        | 50           | 28 | 142 | -  | 32 | 106 | 2.8  |  |
| 2 SPZ 180            | 184 | 180               | 8    | 2012        | 50           | 28 | 152 | -  | 32 | 106 | 2.9  |  |
| 2 SPZ 190            | 194 | 190               | 8    | 2012        | 50           | 28 | 162 | -  | 32 | 106 | 3.1  |  |
| 2 SPZ 200            | 204 | 200               | 10   | 2012        | 50           | 28 | 170 | 2  | 32 | 91  | 2.7  |  |
| 2 SPZ 212            | 216 | 212               | 10   | 2012        | 50           | 28 | 182 | 2  | 32 | 91  | 2.9  |  |
| 2 SPZ 224            | 228 | 224               | 10   | 2012        | 50           | 28 | 194 | 2  | 32 | 91  | 3.1  |  |
| 2 SPZ 236            | 240 | 236               | 10   | 2012        | 50           | 28 | 206 | 2  | 32 | 91  | 3.3  |  |
| 2 SPZ 250            | 254 | 250               | 10   | 2012        | 50           | 28 | 220 | 2  | 32 | 91  | 3.5  |  |
| 2 SPZ 280            | 284 | 280               | 10   | 2012        | 50           | 28 | 250 | 2  | 32 | 91  | 4.1  |  |
| 2 SPZ 315            | 319 | 315               | 10   | 2012        | 50           | 28 | 285 | 2  | 32 | 91  | 4.7  |  |
| 2 SPZ 355            | 359 | 355               | 10   | 2012        | 50           | 28 | 325 | 2  | 32 | 91  | 5.5  |  |
| 2 SPZ 400            | 404 | 400               | 4    | 2517        | 60           | 28 | 371 | 9  | 45 | 124 | 9.9  |  |
| 2 SPZ 450            | 454 | 450               | 4    | 2517        | 60           | 28 | 421 | 9  | 45 | 124 | 11.2 |  |
| 2 SPZ 500            | 504 | 500               | 4    | 2517        | 60           | 28 | 471 | 9  | 45 | 124 | 12.1 |  |
| 2 SPZ 630            | 634 | 630               | 4    | 2517        | 60           | 28 | 601 | 9  | 45 | 124 | 14.7 |  |

NOTE: Dimensions in millimeters, weight in kilograms. Weights do not include bushings.

# SPZ Taper Bushed Pulley

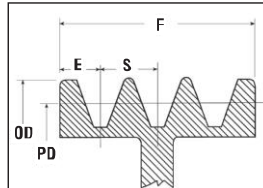
*Martin*



## Pulley Groove Dimensions (ISO Standard)

| Belt Section | E | S  | OD    |
|--------------|---|----|-------|
| SPZ          | 8 | 12 | PD +4 |

Dimensions in millimeters.  
 $F = S(N-1) + 2E$   
 N = No. of Grooves



$F = S(N-1) + 2E$   
 N = No. of Grooves  
 SPZ Taper Bushed Pulley

| 3 Groove<br>F = 40mm |     |                |      |             |              |    |     |    |    |     |      |
|----------------------|-----|----------------|------|-------------|--------------|----|-----|----|----|-----|------|
| Part Number          | OD  | PD<br>SPZ Belt | Type | Bush<br>No. | Max.<br>Bore | F  | G   | K  | L  | H   | Wt.  |
| 3 SPZ 63             | 67  | 63             | 6    | 1108        | 28           | 40 | 36  | 18 | 22 | -   | 0.4  |
| 3 SPZ 67             | 71  | 67             | 6    | 1108        | 28           | 40 | 38  | 18 | 22 | -   | 0.5  |
| 3 SPZ 71             | 75  | 71             | 6    | 1108        | 28           | 40 | 42  | 18 | 22 | -   | 0.6  |
| 3 SPZ 75             | 79  | 75             | 6    | 1210        | 32           | 40 | 48  | 15 | 25 | -   | 0.7  |
| 3 SPZ 80             | 84  | 80             | 6    | 1210        | 32           | 40 | 52  | 15 | 25 | -   | 0.7  |
| 3 SPZ 85             | 89  | 85             | 6    | 1610        | 42           | 40 | 57  | 15 | 25 | -   | 0.8  |
| 3 SPZ 90             | 94  | 90             | 6    | 1610        | 42           | 40 | 62  | 15 | 25 | -   | 0.9  |
| 3 SPZ 95             | 99  | 95             | 6    | 1610        | 42           | 40 | 67  | 15 | 25 | -   | 1    |
| 3 SPZ 100            | 104 | 100            | 6    | 1610        | 42           | 40 | 72  | 15 | 25 | -   | 1.1  |
| 3 SPZ 106            | 110 | 106            | 6    | 1610        | 42           | 40 | 78  | 15 | 25 | -   | 1.4  |
| 3 SPZ 112            | 116 | 112            | 6    | 2012        | 50           | 40 | 84  | 8  | 32 | -   | 1.4  |
| 3 SPZ 118            | 122 | 118            | 6    | 2012        | 50           | 40 | 90  | 8  | 32 | -   | 1.7  |
| 3 SPZ 125            | 129 | 125            | 2    | 2012        | 50           | 40 | 96  | 8  | 32 | -   | 2    |
| 3 SPZ 132            | 136 | 132            | 2    | 2012        | 50           | 40 | 104 | 8  | 32 | -   | 2.3  |
| 3 SPZ 140            | 144 | 140            | 2    | 2012        | 50           | 40 | 112 | 8  | 32 | -   | 2.7  |
| 3 SPZ 150            | 154 | 150            | 2    | 2012        | 50           | 40 | 122 | 8  | 32 | -   | 3.3  |
| 3 SPZ 160            | 164 | 160            | 2    | 2012        | 50           | 40 | 132 | 8  | 32 | -   | 3.9  |
| 3 SPZ 170            | 174 | 170            | 7    | 2012        | 50           | 40 | 142 | -  | 32 | 106 | 3.2  |
| 3 SPZ 180            | 184 | 180            | 7    | 2012        | 50           | 40 | 152 | -  | 32 | 106 | 3.4  |
| 3 SPZ 190            | 194 | 190            | 7    | 2012        | 50           | 40 | 162 | -  | 32 | 106 | 3.4  |
| 3 SPZ 200            | 204 | 200            | 11   | 2012        | 50           | 40 | 170 | 4  | 32 | 91  | 3.4  |
| 3 SPZ 212            | 216 | 212            | 11   | 2012        | 50           | 40 | 182 | 4  | 32 | 91  | 3.6  |
| 3 SPZ 224            | 228 | 224            | 11   | 2012        | 50           | 40 | 194 | 4  | 32 | 91  | 3.9  |
| 3 SPZ 236            | 240 | 236            | 11   | 2012        | 50           | 40 | 206 | 4  | 32 | 91  | 4.2  |
| 3 SPZ 250            | 254 | 250            | 11   | 2012        | 50           | 40 | 220 | 4  | 32 | 91  | 4.5  |
| 3 SPZ 280            | 284 | 280            | 10   | 2517        | 60           | 40 | 250 | 3  | 45 | 118 | 6.3  |
| 3 SPZ 315            | 319 | 315            | 10   | 2517        | 60           | 40 | 285 | 3  | 45 | 118 | 7.1  |
| 3 SPZ 355            | 359 | 355            | 4    | 2517        | 60           | 40 | 326 | 3  | 45 | 124 | 11.7 |
| 3 SPZ 400            | 404 | 400            | 4    | 2517        | 60           | 40 | 371 | 3  | 45 | 124 | 13.3 |
| 3 SPZ 450            | 454 | 450            | 4    | 2517        | 60           | 40 | 421 | 3  | 45 | 124 | 14.6 |
| 3 SPZ 500            | 504 | 500            | 4    | 2517        | 60           | 40 | 471 | 3  | 45 | 124 | 15.8 |
| 3 SPZ 630            | 634 | 630            | 4    | 2517        | 60           | 40 | 601 | 3  | 45 | 124 | 17   |
| 3 SPZ 710            | 714 | 710            | 4    | 3020        | 75           | 40 | 680 | 6  | 51 | 159 | 25   |
| 3 SPZ 800            | 804 | 800            | 4    | 3020        | 75           | 40 | 771 | 6  | 51 | 159 | 33   |

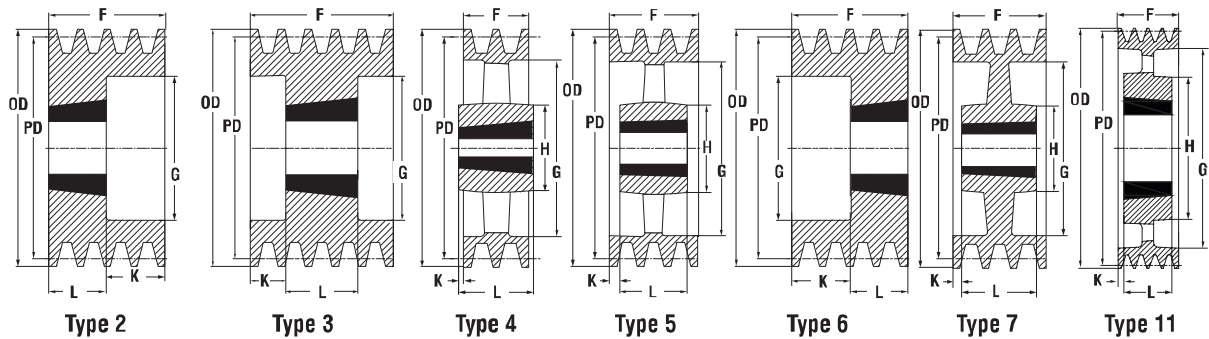
| 4 Groove<br>F = 52mm |     |                |      |             |              |    |     |    |    |     |      |
|----------------------|-----|----------------|------|-------------|--------------|----|-----|----|----|-----|------|
| Part Number          | OD  | PD<br>SPZ Belt | Type | Bush<br>No. | Max.<br>Bore | F  | G   | K  | L  | H   | Wt.  |
| 4 SPZ 63             | 67  | 63             | 6    | 1108        | 28           | 52 | 36  | 30 | 22 | -   | 0.5  |
| 4 SPZ 67             | 71  | 67             | 6    | 1108        | 28           | 52 | 38  | 30 | 22 | -   | 0.6  |
| 4 SPZ 71             | 75  | 71             | 6    | 1108        | 28           | 52 | 42  | 30 | 22 | -   | 0.7  |
| 4 SPZ 75             | 79  | 75             | 6    | 1210        | 32           | 52 | 46  | 27 | 25 | -   | 0.8  |
| 4 SPZ 80             | 84  | 80             | 6    | 1210        | 32           | 52 | 51  | 27 | 25 | -   | 0.9  |
| 4 SPZ 85             | 89  | 85             | 6    | 1610        | 42           | 52 | 56  | 27 | 25 | -   | 1    |
| 4 SPZ 90             | 94  | 90             | 6    | 1610        | 42           | 52 | 61  | 27 | 25 | -   | 1.1  |
| 4 SPZ 95             | 99  | 95             | 6    | 1610        | 42           | 52 | 66  | 27 | 25 | -   | 1.3  |
| 4 SPZ 100            | 104 | 100            | 6    | 1610        | 42           | 52 | 74  | 27 | 25 | -   | 1.4  |
| 4 SPZ 106            | 110 | 106            | 6    | 1610        | 42           | 52 | 80  | 27 | 25 | -   | 1.6  |
| 4 SPZ 112            | 116 | 112            | 6    | 2012        | 50           | 52 | 86  | 20 | 32 | -   | 1.7  |
| 4 SPZ 118            | 122 | 118            | 6    | 2012        | 50           | 52 | 89  | 20 | 32 | -   | 2    |
| 4 SPZ 125            | 129 | 125            | 2    | 2012        | 50           | 52 | 99  | 20 | 32 | -   | 2.3  |
| 4 SPZ 132            | 136 | 132            | 2    | 2012        | 50           | 52 | 103 | 20 | 32 | -   | 2.1  |
| 4 SPZ 140            | 144 | 140            | 2    | 2012        | 50           | 52 | 112 | 20 | 32 | -   | 3.1  |
| 4 SPZ 150            | 154 | 150            | 2    | 2517        | 60           | 52 | 121 | 7  | 45 | -   | 3.8  |
| 4 SPZ 160            | 164 | 160            | 2    | 2517        | 60           | 52 | 131 | 7  | 45 | -   | 4.6  |
| 4 SPZ 170            | 174 | 170            | 2    | 2517        | 65           | 52 | 141 | 7  | 45 | -   | 5.5  |
| 4 SPZ 180            | 184 | 180            | 2    | 2517        | 60           | 52 | 151 | 7  | 45 | -   | 6.3  |
| 4 SPZ 190            | 194 | 190            | 3    | 2517        | 65           | 52 | 160 | 4  | 45 | -   | 5.3  |
| 4 SPZ 200            | 204 | 200            | 11   | 2517        | 60           | 52 | 172 | 4  | 45 | 118 | 5.2  |
| 4 SPZ 212            | 216 | 212            | 11   | 2517        | 60           | 52 | 182 | 4  | 45 | 118 | 5.5  |
| 4 SPZ 224            | 228 | 224            | 11   | 2517        | 60           | 52 | 194 | 4  | 45 | 118 | 5.8  |
| 4 SPZ 236            | 240 | 236            | 11   | 2517        | 60           | 52 | 206 | 4  | 45 | 118 | 6.1  |
| 4 SPZ 250            | 254 | 250            | 11   | 2517        | 60           | 52 | 220 | 4  | 45 | 118 | 6.5  |
| 4 SPZ 280            | 284 | 280            | 11   | 2517        | 60           | 52 | 250 | 4  | 45 | 118 | 7.3  |
| 4 SPZ 315            | 319 | 315            | 11   | 2517        | 60           | 52 | 285 | 4  | 45 | 118 | 8.3  |
| 4 SPZ 355            | 359 | 355            | 5    | 2517        | 60           | 52 | 326 | 4  | 45 | 124 | 12.8 |
| 4 SPZ 400            | 404 | 400            | 5    | 2517        | 60           | 52 | 371 | 4  | 45 | 124 | 13.6 |
| 4 SPZ 450            | 454 | 450            | 5    | 3020        | 75           | 52 | 421 | 1  | 51 | 159 | 14.5 |
| 4 SPZ 500            | 504 | 500            | 5    | 3020        | 75           | 52 | 471 | 1  | 51 | 159 | 17.3 |
| 4 SPZ 630            | 634 | 630            | 5    | 3020        | 75           | 52 | 601 | 1  | 51 | 145 | 23   |
| 4 SPZ 710            | 714 | 710            | 4    | 3030        | 75           | 52 | 680 | 12 | 76 | 159 | 29   |
| 4 SPZ 800            | 804 | 800            | 4    | 3030        | 75           | 52 | 771 | 12 | 76 | 159 | 36   |

NOTE: Dimensions in millimeters, weight in kilograms. Weights do not include bushings.

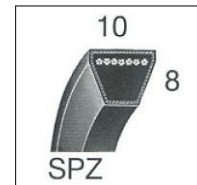
D-4

# Martin

## Taper Bushed Pulley **SPZ**



Let *Martin* quote your made to order and large quantity requirements



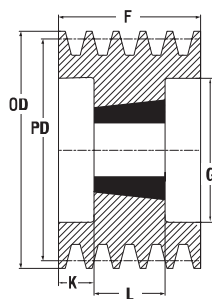
| 5 Groove<br>F = 64mm |     |                   |      |             |              |    |     |    |    |          |
|----------------------|-----|-------------------|------|-------------|--------------|----|-----|----|----|----------|
| Part Number          | OD  | PD<br>SPZ<br>Belt | Type | Bush<br>No. | Max.<br>Bore | F  | G   | K  | L  | H<br>Wt. |
| 5 SPZ 85             | 89  | 85                | 6    | 1610        | 42           | 64 | 56  | 39 | 25 | - 1.3    |
| 5 SPZ 90             | 94  | 90                | 6    | 1610        | 42           | 64 | 61  | 39 | 25 | - 1.3    |
| 5 SPZ 95             | 99  | 95                | 6    | 1610        | 42           | 64 | 66  | 39 | 25 | - 1.5    |
| 5 SPZ 100            | 104 | 100               | 6    | 2012        | 50           | 64 | 71  | 32 | 32 | - 1.6    |
| 5 SPZ 106            | 110 | 106               | 6    | 2012        | 50           | 64 | 77  | 32 | 32 | - 1.8    |
| 5 SPZ 112            | 116 | 112               | 6    | 2012        | 50           | 64 | 83  | 32 | 32 | - 2      |
| 5 SPZ 118            | 122 | 118               | 6    | 2012        | 50           | 64 | 89  | 32 | 32 | - 2.3    |
| 5 SPZ 125            | 129 | 125               | 6    | 2012        | 50           | 64 | 96  | 32 | 32 | - 2.7    |
| 5 SPZ 132            | 136 | 132               | 6    | 2517        | 60           | 64 | 103 | 19 | 45 | - 2.8    |
| 5 SPZ 140            | 144 | 140               | 2    | 2517        | 60           | 64 | 111 | 19 | 45 | - 3.4    |
| 5 SPZ 150            | 154 | 150               | 2    | 2517        | 60           | 64 | 121 | 19 | 45 | - 4.3    |
| 5 SPZ 160            | 164 | 160               | 2    | 2517        | 60           | 64 | 131 | 19 | 45 | - 5.1    |
| 5 SPZ 170            | 174 | 170               | 2    | 2517        | 60           | 64 | 141 | 19 | 45 | - 5.7    |
| 5 SPZ 180            | 184 | 180               | 2    | 2517        | 60           | 64 | 151 | 19 | 45 | - 6.8    |
| 5 SPZ 190            | 194 | 190               | 3    | 2517        | 60           | 64 | 161 | 10 | 45 | - 7.8    |
| 5 SPZ 200            | 204 | 200               | 11   | 2517        | 60           | 64 | 170 | 10 | 45 | 118 5.8  |
| 5 SPZ 212            | 216 | 212               | 11   | 2517        | 60           | 64 | 182 | 10 | 45 | 118 6.2  |
| 5 SPZ 224            | 228 | 224               | 11   | 2517        | 60           | 64 | 194 | 10 | 45 | 118 6.6  |
| 5 SPZ 236            | 240 | 236               | 11   | 2517        | 60           | 64 | 206 | 10 | 45 | 118 7    |
| 5 SPZ 250            | 254 | 250               | 11   | 2517        | 60           | 64 | 220 | 10 | 45 | 118 7.4  |
| 5 SPZ 280            | 284 | 280               | 11   | 2517        | 60           | 64 | 250 | 10 | 45 | 118 8.4  |
| 5 SPZ 315            | 319 | 315               | 11   | 2517        | 60           | 64 | 285 | 10 | 45 | 118 9.6  |
| 5 SPZ 355            | 359 | 355               | 5    | 2517        | 60           | 64 | 326 | 10 | 45 | 124 13   |
| 5 SPZ 400            | 404 | 400               | 5    | 3020        | 75           | 64 | 371 | 7  | 51 | 159 15.6 |
| 5 SPZ 450            | 454 | 450               | 5    | 3020        | 75           | 64 | 421 | 7  | 51 | 159 19   |
| 5 SPZ 500            | 504 | 500               | 5    | 3020        | 75           | 64 | 471 | 7  | 51 | 159 22.6 |
| 5 SPZ 630            | 634 | 630               | 5    | 3020        | 75           | 64 | 601 | 7  | 51 | 146 29   |
| 5 SPZ 710            | 714 | 710               | 4    | 3535        | 100          | 64 | 684 | 13 | 89 | 191 36.5 |
| 5 SPZ 800            | 804 | 800               | 4    | 3535        | 100          | 64 | 771 | 13 | 89 | 191 44.1 |

| 6 Groove<br>F = 76mm |     |                   |      |             |              |    |     |    |    |          |
|----------------------|-----|-------------------|------|-------------|--------------|----|-----|----|----|----------|
| Part Number          | OD  | PD<br>SPZ<br>Belt | Type | Bush<br>No. | Max.<br>Bore | F  | G   | K  | L  | H<br>Wt. |
| 6 SPZ 90             | 95  | 90                | 6    | 1610        | 42           | 76 | 61  | -  | 25 | - 1.5    |
| 6 SPZ 95             | 99  | 95                | 6    | 1610        | 42           | 76 | 66  | -  | 25 | - 1.7    |
| 6 SPZ 100            | 104 | 100               | 6    | 2012        | 50           | 76 | 71  | -  | 32 | - 1.9    |
| 6 SPZ 106            | 110 | 106               | 6    | 2012        | 50           | 76 | 77  | -  | 32 | - 2      |
| 6 SPZ 112            | 116 | 112               | 6    | 2012        | 50           | 76 | 83  | -  | 32 | - 2.3    |
| 6 SPZ 118            | 122 | 118               | 6    | 2517        | 60           | 76 | 89  | -  | 45 | - 2.3    |
| 6 SPZ 125            | 129 | 125               | 6    | 2517        | 60           | 76 | 96  | -  | 45 | - 2.7    |
| 6 SPZ 132            | 136 | 132               | 6    | 2517        | 60           | 76 | 103 | -  | 45 | - 3.2    |
| 6 SPZ 140            | 144 | 140               | 2    | 2517        | 60           | 76 | 111 | 31 | 45 | - 3.8    |
| 6 SPZ 150            | 154 | 150               | 2    | 2517        | 60           | 76 | 121 | 31 | 45 | - 4.6    |
| 6 SPZ 160            | 164 | 160               | 2    | 2517        | 60           | 76 | 131 | 31 | 45 | - 5.5    |
| 6 SPZ 170            | 174 | 170               | 2    | 2517        | 65           | 76 | 141 | 31 | 45 | - 6.5    |
| 6 SPZ 180            | 184 | 180               | 2    | 2517        | 60           | 76 | 151 | 31 | 45 | - 7.3    |
| 6 SPZ 190            | 194 | 190               | 3    | 2517        | 65           | 76 | 161 | 16 | 45 | - 8.4    |
| 6 SPZ 200            | 204 | 200               | 11   | 2517        | 60           | 76 | 170 | 16 | 45 | 118 6.5  |
| 6 SPZ 212            | 216 | 212               | 11   | 2517        | 60           | 76 | 182 | 16 | 45 | 118 7    |
| 6 SPZ 224            | 228 | 224               | 11   | 2517        | 60           | 76 | 194 | 16 | 45 | 118 7.4  |
| 6 SPZ 236            | 240 | 236               | 11   | 2517        | 60           | 76 | 206 | 16 | 45 | 118 7.9  |
| 6 SPZ 250            | 254 | 250               | 11   | 2517        | 60           | 76 | 220 | 16 | 45 | 118 8.4  |
| 6 SPZ 280            | 284 | 280               | 11   | 2517        | 60           | 76 | 250 | 16 | 45 | 118 9.5  |
| 6 SPZ 315            | 319 | 315               | 11   | 2517        | 60           | 76 | 285 | 16 | 45 | 118 10.8 |
| 6 SPZ 355            | 359 | 355               | 5    | 2517        | 60           | 76 | 326 | 16 | 45 | 124 15   |
| 6 SPZ 400            | 404 | 400               | 5    | 3020        | 75           | 76 | 371 | 13 | 51 | 159 18.3 |
| 6 SPZ 450            | 454 | 450               | 5    | 3020        | 75           | 76 | 421 | 13 | 51 | 159 21.5 |
| 6 SPZ 500            | 504 | 500               | 5    | 3020        | 75           | 76 | 471 | 13 | 51 | 159 24.6 |
| 6 SPZ 630            | 634 | 630               | 5    | 3525        | 100          | 76 | 601 | 6  | 65 | 191 35   |
| 6 SPZ 710            | 714 | 710               | 4    | 3535        | 100          | 76 | 684 | 7  | 89 | 191 46.4 |
| 6 SPZ 800            | 804 | 800               | 4    | 3535        | 100          | 76 | 771 | 7  | 89 | 191 57.9 |

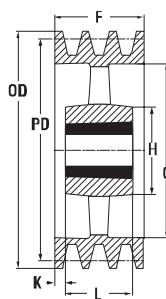
NOTE: Dimensions in millimeters, weight in kilograms. Weights do not include bushings.

# SPZ Taper Bushed Pulley

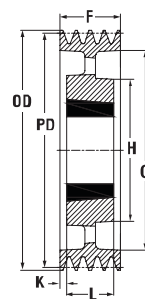
*Martin*



Type 3



Type 5



Type 11

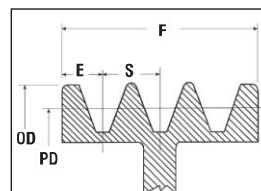
## 8 Groove F = 100mm

| Part Number | OD  | PD  | Type | Bush No. | Max. Bore | F   | G   | K  | L  | H   | Wt.  |
|-------------|-----|-----|------|----------|-----------|-----|-----|----|----|-----|------|
| 8 SPZ 140   | 144 | 140 | 3    | 2517     | 65        | 100 | 111 | 28 | 45 | -   | 4.0  |
| 8 SPZ 150   | 154 | 150 | 3    | 2517     | 65        | 100 | 121 | 28 | 45 | -   | 5.1  |
| 8 SPZ 160   | 164 | 160 | 3    | 2517     | 65        | 100 | 131 | 28 | 45 | -   | 5.6  |
| 8 SPZ 170   | 174 | 170 | 3    | 2517     | 65        | 100 | 141 | 28 | 45 | -   | 6.8  |
| 8 SPZ 180   | 184 | 180 | 3    | 3020     | 75        | 100 | 151 | 25 | 51 | -   | 7.1  |
| 8 SPZ 190   | 194 | 190 | 3    | 3020     | 75        | 100 | 161 | 25 | 51 | -   | 8.2  |
| 8 SPZ 200   | 204 | 200 | 3    | 3020     | 75        | 100 | 171 | 25 | 51 | -   | 9.3  |
| 8 SPZ 212   | 216 | 212 | 3    | 3020     | 75        | 100 | 182 | 25 | 51 | -   | 10.6 |
| 8 SPZ 224   | 228 | 224 | 3    | 3020     | 75        | 100 | 195 | 25 | 51 | -   | 11.8 |
| 8 SPZ 236   | 240 | 236 | 11   | 3020     | 75        | 100 | 206 | 25 | 51 | 152 | 11   |
| 8 SPZ 250   | 254 | 250 | 11   | 3020     | 75        | 100 | 220 | 25 | 51 | 152 | 11.6 |
| 8 SPZ 280   | 284 | 280 | 11   | 3020     | 75        | 100 | 250 | 25 | 51 | 152 | 13.1 |
| 8 SPZ 315   | 319 | 315 | 11   | 3020     | 75        | 100 | 285 | 25 | 51 | 152 | 14.9 |
| 8 SPZ 355   | 359 | 355 | 11   | 3030     | 75        | 100 | 325 | 12 | 76 | 148 | 18.8 |
| 8 SPZ 400   | 404 | 400 | 5    | 3030     | 75        | 100 | 371 | 12 | 76 | 145 | 18.2 |
| 8 SPZ 450   | 454 | 450 | 5    | 3535     | 90        | 100 | 424 | 6  | 89 | 178 | 24.0 |
| 8 SPZ 500   | 504 | 500 | 5    | 3535     | 90        | 100 | 471 | 6  | 89 | 178 | 26.0 |
| 8 SPZ 630   | 634 | 630 | 5    | 3535     | 90        | 100 | 601 | 6  | 89 | 178 | 35.8 |

## Pulley Groove Dimensions (ISO Standard)

| Belt Section | E | S  | OD    |
|--------------|---|----|-------|
| SPZ          | 8 | 12 | PD +4 |

Dimensions in millimeters.  
 $F = S(N-1) + 2E$   
 N = No. of Grooves

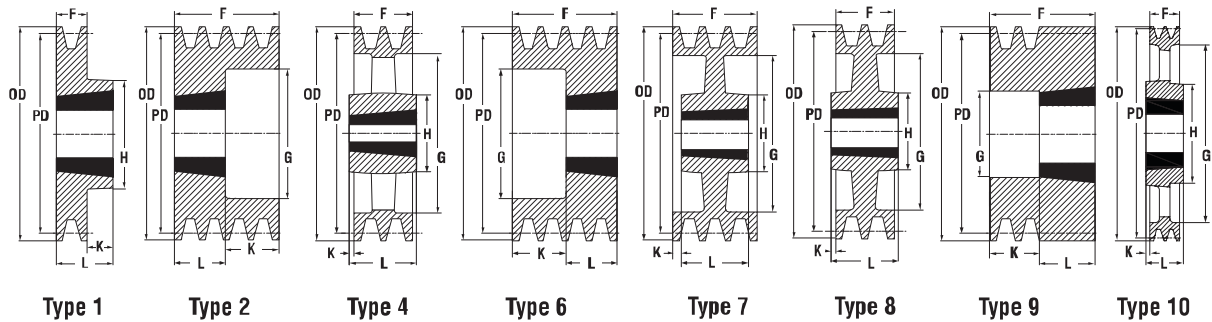


$F = S(N-1) + 2E$   
 N = No. of Grooves  
 SPZ Taper Bushed Pulley

NOTE: Dimensions in millimeters, weight in kilograms. Weights do not include bushings.

# Martin

## Taper Bushed Pulley SPA



Let *Martin* quote your made to order and large quantity requirements



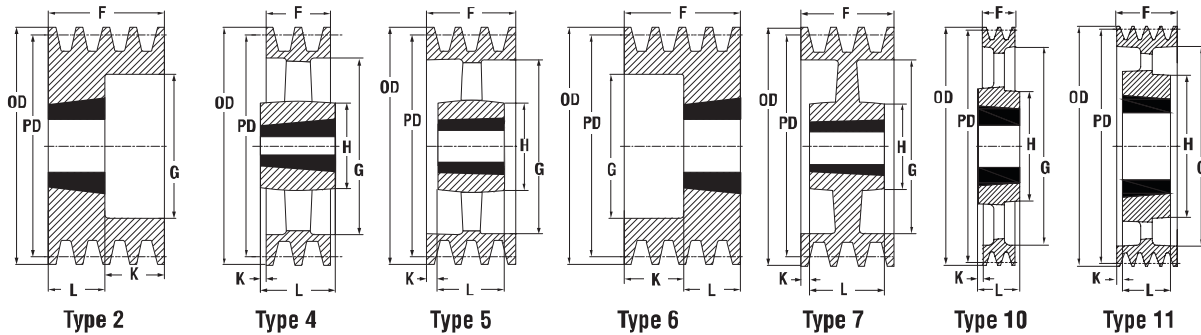
| 1 Groove<br>F = 16mm |     |                   |      |             |              |    |     |    |    |     |      |
|----------------------|-----|-------------------|------|-------------|--------------|----|-----|----|----|-----|------|
| Part Number          | OD  | PD<br>SPA<br>Belt | Type | Bush<br>No. | Max.<br>Bore | F  | G   | K  | L  | H   | Wt.  |
| 1 SPA 63             | 69  | 63                | 9    | 1108        | 28           | 40 | 34  | 18 | 22 | -   | 0.8  |
| 1 SPA 67             | 73  | 67                | 1    | 1108        | 28           | 20 | -   | 2  | 22 | 60  | 0.5  |
| 1 SPA 71             | 77  | 71                | 1    | 1108        | 28           | 20 | -   | 2  | 22 | 60  | 0.5  |
| 1 SPA 75             | 81  | 75                | 1    | 1108        | 28           | 20 | -   | 2  | 22 | 60  | 0.4  |
| 1 SPA 80             | 86  | 80                | 1    | 1210        | 32           | 20 | -   | 5  | 25 | 84  | 0.5  |
| 1 SPA 85             | 91  | 85                | 1    | 1210        | 32           | 20 | -   | 5  | 25 | 88  | 0.6  |
| 1 SPA 90             | 96  | 90                | 1    | 1210        | 32           | 20 | -   | 5  | 25 | 90  | 0.7  |
| 1 SPA 95             | 101 | 95                | 1    | 1210        | 32           | 20 | -   | 5  | 25 | 90  | 0.9  |
| 1 SPA 100            | 106 | 100               | 1    | 1610        | 42           | 20 | -   | 5  | 25 | 92  | 0.8  |
| 1 SPA 106            | 112 | 106               | 1    | 1610        | 42           | 20 | -   | 5  | 25 | 85  | 0.9  |
| 1 SPA 112            | 118 | 112               | 1    | 1610        | 42           | 20 | -   | 5  | 25 | 90  | 1.1  |
| 1 SPA 118            | 124 | 118               | 1    | 1610        | 42           | 20 | -   | 5  | 25 | 92  | 1.2  |
| 1 SPA 125            | 131 | 125               | 1    | 1610        | 42           | 20 | -   | 5  | 25 | 92  | 1.4  |
| 1 SPA 132            | 138 | 132               | 1    | 1610        | 42           | 20 | -   | 5  | 25 | 92  | 1.6  |
| 1 SPA 140            | 146 | 140               | 1    | 1610        | 42           | 20 | -   | 5  | 25 | 92  | 1.8  |
| 1 SPA 150            | 156 | 150               | 1    | 1610        | 42           | 20 | -   | 5  | 25 | 92  | 2.1  |
| 1 SPA 160            | 166 | 160               | 1    | 1610        | 42           | 20 | -   | 5  | 25 | 92  | 2.4  |
| 1 SPA 170            | 176 | 170               | 8    | 1610        | 42           | 20 | 136 | -  | 25 | 92  | 1.1  |
| 1 SPA 180            | 186 | 180               | 8    | 1610        | 42           | 20 | 146 | -  | 25 | 92  | 2.3  |
| 1 SPA 190            | 196 | 190               | 8    | 2012        | 50           | 20 | 156 | -  | 32 | 106 | 2.7  |
| 1 SPA 200            | 206 | 200               | 8    | 2012        | 50           | 20 | 166 | -  | 32 | 106 | 2.3  |
| 1 SPA 212            | 218 | 212               | 8    | 2012        | 50           | 20 | 177 | -  | 32 | 112 | 3.5  |
| 1 SPA 224            | 230 | 224               | 8    | 2012        | 50           | 20 | 190 | -  | 32 | 106 | 4.0  |
| 1 SPA 236            | 242 | 236               | 8    | 2012        | 50           | 20 | 202 | -  | 32 | 106 | 4.4  |
| 1 SPA 250            | 256 | 250               | 10   | 2012        | 50           | 20 | 213 | 6  | 32 | 91  | 3.1  |
| 1 SPA 265            | 271 | 265               | 10   | 2012        | 50           | 20 | 228 | 6  | 32 | 91  | 3.4  |
| 1 SPA 280            | 286 | 280               | 10   | 2012        | 50           | 20 | 243 | 6  | 32 | 91  | 3.6  |
| 1 SPA 300            | 306 | 300               | 10   | 2012        | 50           | 20 | 263 | 6  | 32 | 91  | 3.9  |
| 1 SPA 315            | 321 | 315               | 10   | 2012        | 50           | 20 | 278 | 6  | 32 | 91  | 4.2  |
| 1 SPA 335            | 341 | 335               | 10   | 2012        | 50           | 20 | 298 | 6  | 32 | 91  | 4.5  |
| 1 SPA 355            | 361 | 355               | 4    | 2012        | 50           | 20 | 320 | -  | 32 | 112 | 7.6  |
| 1 SPA 375            | 381 | 375               | 4    | 2012        | 50           | 20 | 340 | -  | 32 | 112 | 7.8  |
| 1 SPA 400            | 406 | 400               | 4    | 2012        | 50           | 20 | 365 | -  | 32 | 112 | 7.9  |
| 1 SPA 425            | 431 | 425               | 4    | 2012        | 50           | 20 | 390 | -  | 32 | 112 | 8.2  |
| 1 SPA 450            | 456 | 450               | 4    | 2517        | 60           | 20 | 415 | 25 | 45 | 124 | 8.4  |
| 1 SPA 475            | 481 | 475               | 4    | 2517        | 60           | 20 | 440 | 25 | 45 | 124 | 8.9  |
| 1 SPA 500            | 506 | 500               | 4    | 2517        | 60           | 20 | 465 | 25 | 45 | 124 | 9.4  |
| 1 SPA 530            | 536 | 530               | 4    | 2517        | 60           | 20 | 495 | 25 | 45 | 124 | 11.0 |
| 1 SPA 560            | 566 | 560               | 4    | 2517        | 60           | 20 | 525 | 25 | 45 | 124 | 12.6 |
| 1 SPA 630            | 636 | 630               | 4    | 2517        | 60           | 20 | 595 | 25 | 45 | 124 | 13.1 |

NOTE: Dimensions in millimeters, weight in kilograms. Weights do not include bushings.

| 2 Groove<br>F = 28mm |     |                   |      |             |              |    |     |    |    |     |      |
|----------------------|-----|-------------------|------|-------------|--------------|----|-----|----|----|-----|------|
| Part Number          | OD  | PD<br>SPA<br>Belt | Type | Bush<br>No. | Max.<br>Bore | F  | G   | K  | L  | H   | Wt.  |
| 2 SPA 63             | 69  | 63                | 9    | 1108        | 28           | 55 | 34  | 33 | 22 | -   | 0.6  |
| 2 SPA 67             | 73  | 67                | 6    | 1108        | 28           | 35 | 35  | 13 | 22 | -   | 0.4  |
| 2 SPA 71             | 77  | 71                | 6    | 1108        | 28           | 35 | 37  | 13 | 22 | -   | 0.5  |
| 2 SPA 75             | 81  | 75                | 6    | 1108        | 28           | 35 | 41  | 13 | 22 | -   | 0.7  |
| 2 SPA 80             | 86  | 80                | 6    | 1210        | 32           | 35 | 46  | 10 | 25 | -   | 0.6  |
| 2 SPA 85             | 91  | 85                | 6    | 1210        | 32           | 35 | 51  | 10 | 25 | -   | 0.7  |
| 2 SPA 90             | 96  | 90                | 6    | 1610        | 42           | 35 | 56  | 10 | 25 | -   | 0.7  |
| 2 SPA 95             | 101 | 95                | 6    | 1610        | 42           | 35 | 61  | 10 | 25 | -   | 0.9  |
| 2 SPA 100            | 106 | 100               | 6    | 1610        | 42           | 35 | 66  | 10 | 25 | -   | 1.1  |
| 2 SPA 106            | 112 | 106               | 6    | 1610        | 42           | 35 | 72  | 10 | 25 | -   | 1.2  |
| 2 SPA 112            | 118 | 112               | 6    | 1610        | 42           | 35 | 78  | 10 | 25 | -   | 1.4  |
| 2 SPA 118            | 124 | 118               | 6    | 1610        | 42           | 35 | 84  | 10 | 25 | -   | 1.6  |
| 2 SPA 125            | 131 | 125               | 6    | 1610        | 42           | 35 | 90  | 10 | 25 | -   | 1.9  |
| 2 SPA 132            | 138 | 132               | 6    | 2012        | 50           | 35 | 96  | 3  | 32 | -   | 2.1  |
| 2 SPA 140            | 146 | 140               | 6    | 2012        | 50           | 35 | 111 | 3  | 32 | -   | 2.6  |
| 2 SPA 150            | 156 | 150               | 6    | 2012        | 50           | 35 | 121 | 3  | 32 | -   | 3.2  |
| 2 SPA 160            | 166 | 160               | 7    | 2012        | 50           | 35 | 125 | 2  | 32 | 106 | 3.8  |
| 2 SPA 170            | 176 | 170               | 2    | 2012        | 50           | 35 | 80  | 3  | 32 | -   | 4.5  |
| 2 SPA 180            | 186 | 180               | 7    | 2012        | 50           | 35 | 145 | 2  | 32 | 106 | 5.2  |
| 2 SPA 190            | 196 | 190               | 8    | 2517        | 60           | 35 | 156 | -  | 45 | 125 | 4.4  |
| 2 SPA 200            | 206 | 200               | 8    | 2517        | 60           | 35 | 165 | 5  | 45 | 125 | 4.9  |
| 2 SPA 212            | 218 | 212               | 8    | 2517        | 65           | 35 | 177 | -  | 45 | 124 | 5.8  |
| 2 SPA 224            | 230 | 224               | 8    | 2517        | 60           | 35 | 190 | -  | 45 | 125 | 6.6  |
| 2 SPA 236            | 242 | 236               | 8    | 2517        | 60           | 35 | 202 | -  | 45 | 125 | 6.8  |
| 2 SPA 250            | 256 | 250               | 10   | 2517        | 60           | 35 | 213 | 5  | 45 | 118 | 6    |
| 2 SPA 265            | 271 | 265               | 10   | 2517        | 65           | 35 | 228 | 5  | 45 | 118 | 5.9  |
| 2 SPA 280            | 286 | 280               | 10   | 2517        | 60           | 35 | 243 | 5  | 45 | 118 | 6.3  |
| 2 SPA 300            | 306 | 300               | 10   | 2517        | 60           | 35 | 263 | 5  | 45 | 118 | 6.7  |
| 2 SPA 315            | 321 | 315               | 10   | 2517        | 60           | 35 | 278 | 5  | 45 | 118 | 7.2  |
| 2 SPA 335            | 341 | 335               | 10   | 2517        | 60           | 35 | 298 | 5  | 45 | 118 | 7.7  |
| 2 SPA 355            | 361 | 355               | 4    | 2517        | 60           | 35 | 320 | -  | 45 | 124 | 10.5 |
| 2 SPA 375            | 381 | 375               | 4    | 2517        | 60           | 35 | 340 | -  | 45 | 124 | 10.9 |
| 2 SPA 400            | 406 | 400               | 4    | 2517        | 60           | 35 | 365 | -  | 45 | 124 | 11.3 |
| 2 SPA 425            | 431 | 425               | 4    | 2517        | 60           | 35 | 390 | -  | 45 | 124 | 13.2 |
| 2 SPA 450            | 456 | 450               | 4    | 2517        | 60           | 35 | 415 | -  | 45 | 124 | 15.0 |
| 2 SPA 475            | 481 | 475               | 4    | 2517        | 60           | 35 | 440 | -  | 45 | 124 | 16.9 |
| 2 SPA 500            | 506 | 500               | 4    | 2517        | 60           | 35 | 465 | -  | 45 | 124 | 18.7 |
| 2 SPA 530            | 536 | 530               | 4    | 3020        | 60           | 35 | 495 | -  | 51 | 124 | 19.5 |
| 2 SPA 560            | 566 | 560               | 4    | 3020        | 75           | 35 | 525 | -  | 51 | 159 | 20.4 |
| 2 SPA 630            | 636 | 630               | 4    | 3020        | 75           | 35 | 595 | -  | 51 | 159 | 22.0 |
| 2 SPA 710            | 716 | 710               | 4    | 3020        | 75           | 35 | 675 | 8  | 51 | 159 | 27.0 |
| 2 SPA 800            | 806 | 800               | 4    | 3525        | 90           | 35 | 764 | 15 | 65 | 191 | 31.6 |

# SPA Taper Bushed Pulley

*Martin*



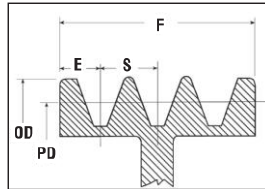
## Pulley Groove Dimensions (ISO Standard)

| Belt Section | E  | S  | OD    |
|--------------|----|----|-------|
| SPA          | 10 | 15 | PD +6 |

Dimensions in millimeters.

$F = S(N-1) + 2E$

N = No. of Grooves



$F = S(N-1) + 2E$   
N = No. of Grooves  
SPZ Taper Bushed Pulley

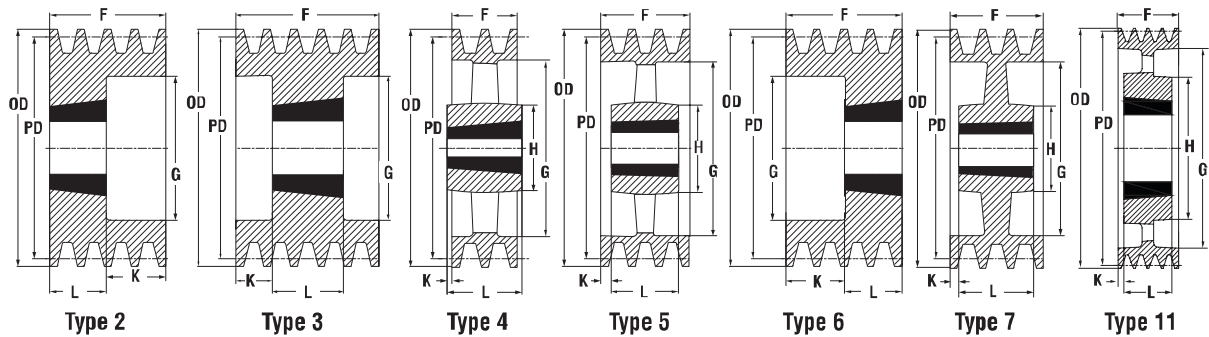
| 3 Groove<br>F = 50mm |      |                |      |          |           |    |     |    |    |     |      |
|----------------------|------|----------------|------|----------|-----------|----|-----|----|----|-----|------|
| Part Number          | OD   | PD<br>SPA Belt | Type | Bush No. | Max. Bore | F  | G   | K  | L  | H   | Wt.  |
| 3 SPA 71             | 77   | 71             | 6    | 1108     | 28        | 50 | 37  | 28 | 22 | -   | 0.7  |
| 3 SPA 75             | 81   | 75             | 6    | 1108     | 28        | 50 | 41  | 28 | 22 | -   | 0.8  |
| 3 SPA 80             | 86   | 80             | 6    | 1210     | 32        | 50 | 46  | 25 | 25 | -   | 0.9  |
| 3 SPA 85             | 91   | 85             | 6    | 1210     | 32        | 50 | 51  | 25 | 25 | -   | 1    |
| 3 SPA 90             | 96   | 90             | 6    | 1610     | 42        | 50 | 56  | 25 | 25 | -   | 1    |
| 3 SPA 95             | 101  | 95             | 6    | 1610     | 42        | 50 | 61  | 25 | 25 | -   | 1.2  |
| 3 SPA 100            | 106  | 100            | 2    | 1610     | 42        | 50 | 66  | 25 | 25 | -   | 1.3  |
| 3 SPA 106            | 112  | 106            | 2    | 1610     | 42        | 50 | 71  | 25 | 25 | -   | 1.6  |
| 3 SPA 112            | 118  | 112            | 6    | 2012     | 50        | 50 | 78  | 18 | 32 | -   | 1.6  |
| 3 SPA 118            | 124  | 118            | 2    | 2012     | 50        | 50 | 84  | 18 | 32 | -   | 1.9  |
| 3 SPA 125            | 131  | 125            | 2    | 2012     | 50        | 50 | 91  | 18 | 32 | -   | 2.3  |
| 3 SPA 132            | 138  | 132            | 2    | 2012     | 50        | 50 | 98  | 18 | 32 | -   | 2.6  |
| 3 SPA 140            | 146  | 140            | 6    | 2517     | 60        | 50 | 111 | 5  | 45 | -   | 2.9  |
| 3 SPA 150            | 156  | 150            | 6    | 2517     | 60        | 50 | 116 | 5  | 45 | -   | 3.7  |
| 3 SPA 160            | 166  | 160            | 6    | 2517     | 60        | 50 | 126 | 5  | 45 | -   | 4.5  |
| 3 SPA 170            | 176  | 170            | 2    | 2517     | 60        | 50 | 136 | 5  | 45 | -   | 5    |
| 3 SPA 180            | 186  | 180            | 6    | 2517     | 60        | 50 | 146 | 5  | 45 | -   | 6.2  |
| 3 SPA 190            | 196  | 190            | 2    | 2517     | 60        | 50 | 156 | 5  | 45 | -   | 7    |
| 3 SPA 200            | 206  | 200            | 7    | 2517     | 60        | 50 | 166 | 3  | 45 | 125 | 5.6  |
| 3 SPA 212            | 218  | 212            | 7    | 2517     | 65        | 50 | 177 | -  | 45 | 125 | 6.6  |
| 3 SPA 224            | 230  | 224            | 7    | 2517     | 60        | 50 | 190 | 3  | 45 | 125 | 7.5  |
| 3 SPA 236            | 242  | 236            | 7    | 2517     | 60        | 50 | 202 | 3  | 45 | 125 | 8    |
| 3 SPA 250            | 256  | 250            | 11   | 2517     | 60        | 50 | 213 | 3  | 45 | 118 | 6.9  |
| 3 SPA 265            | 271  | 265            | 11   | 2517     | 60        | 50 | 228 | 3  | 45 | 118 | 7.4  |
| 3 SPA 280            | 286  | 280            | 11   | 2517     | 60        | 50 | 243 | 3  | 45 | 118 | 7.9  |
| 3 SPA 300            | 306  | 300            | 10   | 3020     | 75        | 50 | 263 | 1  | 51 | 152 | 10   |
| 3 SPA 315            | 321  | 315            | 10   | 3020     | 75        | 50 | 278 | 1  | 51 | 152 | 10.4 |
| 3 SPA 335            | 341  | 335            | 10   | 3020     | 75        | 50 | 298 | 1  | 51 | 152 | 11.1 |
| 3 SPA 355            | 361  | 355            | 4    | 3020     | 75        | 50 | 320 | 1  | 51 | 159 | 13.4 |
| 3 SPA 375            | 381  | 375            | 4    | 3020     | 75        | 50 | 340 | 1  | 51 | 159 | 14.7 |
| 3 SPA 400            | 406  | 400            | 4    | 3020     | 75        | 50 | 365 | 1  | 51 | 159 | 15.9 |
| 3 SPA 425            | 431  | 425            | 4    | 3020     | 75        | 50 | 390 | 1  | 51 | 159 | 17.6 |
| 3 SPA 450            | 456  | 450            | 4    | 3020     | 75        | 50 | 415 | 1  | 51 | 159 | 19.3 |
| 3 SPA 475            | 481  | 475            | 4    | 3020     | 75        | 50 | 440 | 1  | 51 | 159 | 20.9 |
| 3 SPA 500            | 506  | 500            | 4    | 3020     | 75        | 50 | 465 | 1  | 51 | 159 | 22.6 |
| 3 SPA 530            | 536  | 530            | 4    | 3020     | 75        | 50 | 495 | 1  | 51 | 159 | 23.1 |
| 3 SPA 560            | 566  | 560            | 4    | 3020     | 75        | 50 | 525 | 1  | 51 | 159 | 23.5 |
| 3 SPA 630            | 636  | 630            | 4    | 3020     | 75        | 50 | 595 | 1  | 51 | 159 | 27.5 |
| 3 SPA 710            | 716  | 710            | 4    | 3525     | 100       | 50 | 675 | 8  | 65 | 191 | 37.2 |
| 3 SPA 800            | 806  | 800            | 4    | 3525     | 100       | 50 | 765 | 8  | 65 | 191 | 40.8 |
| 3 SPA 900            | 906  | 900            | 4    | 3525     | 100       | 50 | 865 | 8  | 65 | 191 | 43.6 |
| 3 SPA 1000           | 1006 | 1000           | 4    | 3525     | 100       | 50 | 964 | 8  | 65 | 191 | 50   |

NOTE: Dimensions in millimeters, weight in kilograms. Weights do not include bushings.

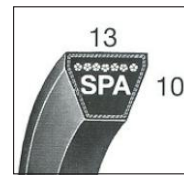
| 4 Groove<br>F = 65mm |      |                |      |          |           |    |     |    |     |     |      |
|----------------------|------|----------------|------|----------|-----------|----|-----|----|-----|-----|------|
| Part Number          | OD   | PD<br>SPA Belt | Type | Bush No. | Max. Bore | F  | G   | K  | L   | H   | Wt.  |
| 4 SPA 90             | 96   | 90             | 6    | 1610     | 42        | 65 | 60  | 40 | 25  | -   | 1.2  |
| 4 SPA 95             | 101  | 95             | 6    | 1610     | 42        | 65 | 61  | 40 | 25  | -   | 1.4  |
| 4 SPA 100            | 106  | 100            | 2    | 1610     | 42        | 65 | 66  | 40 | 32  | -   | 1.6  |
| 4 SPA 106            | 112  | 106            | 6    | 2012     | 50        | 65 | 72  | 33 | 32  | -   | 1.7  |
| 4 SPA 112            | 118  | 112            | 6    | 2012     | 50        | 65 | 78  | 33 | 32  | -   | 2    |
| 4 SPA 118            | 124  | 118            | 6    | 2012     | 50        | 65 | 84  | 33 | 32  | -   | 2.3  |
| 4 SPA 125            | 131  | 125            | 2    | 2012     | 50        | 65 | 90  | 33 | 32  | -   | 2.7  |
| 4 SPA 132            | 138  | 132            | 2    | 2517     | 60        | 65 | 97  | 20 | 45  | -   | 2.9  |
| 4 SPA 140            | 146  | 140            | 2    | 2517     | 60        | 65 | 105 | 20 | 45  | -   | 3.5  |
| 4 SPA 150            | 156  | 150            | 2    | 2517     | 60        | 65 | 115 | 20 | 45  | -   | 4.2  |
| 4 SPA 160            | 166  | 160            | 2    | 2517     | 60        | 65 | 125 | 20 | 45  | -   | 5.1  |
| 4 SPA 170            | 176  | 170            | 2    | 2517     | 60        | 65 | 135 | 20 | 45  | -   | 6    |
| 4 SPA 180            | 186  | 180            | 2    | 2517     | 60        | 65 | 145 | 20 | 45  | -   | 6.9  |
| 4 SPA 190            | 196  | 190            | 2    | 3020     | 75        | 65 | 155 | 14 | 51  | -   | 7.2  |
| 4 SPA 200            | 206  | 200            | 2    | 3020     | 75        | 65 | 165 | 14 | 51  | -   | 8.4  |
| 4 SPA 212            | 218  | 212            | 2    | 3020     | 75        | 65 | 177 | 14 | 51  | -   | 9.9  |
| 4 SPA 224            | 230  | 224            | 2    | 3020     | 75        | 65 | 190 | 14 | 51  | -   | 11.4 |
| 4 SPA 236            | 242  | 236            | 7    | 3020     | 75        | 65 | 202 | 7  | 51  | 159 | 10   |
| 4 SPA 250            | 256  | 250            | 11   | 3020     | 75        | 65 | 213 | 7  | 51  | 152 | 9.7  |
| 4 SPA 265            | 271  | 265            | 11   | 3020     | 75        | 65 | 228 | 7  | 51  | 152 | 10.2 |
| 4 SPA 280            | 286  | 280            | 11   | 3020     | 75        | 65 | 243 | 7  | 51  | 152 | 10.8 |
| 4 SPA 300            | 306  | 300            | 11   | 3020     | 75        | 65 | 263 | 7  | 51  | 152 | 11.6 |
| 4 SPA 315            | 321  | 315            | 11   | 3020     | 75        | 65 | 278 | 7  | 51  | 152 | 12.2 |
| 4 SPA 335            | 341  | 335            | 11   | 3020     | 75        | 65 | 298 | 7  | 51  | 152 | 13   |
| 4 SPA 355            | 361  | 355            | 5    | 3020     | 75        | 65 | 320 | 7  | 51  | 159 | 15.8 |
| 4 SPA 375            | 381  | 375            | 5    | 3020     | 75        | 65 | 340 | 7  | 51  | 159 | 16.8 |
| 4 SPA 400            | 406  | 400            | 5    | 3020     | 75        | 65 | 365 | 7  | 51  | 159 | 17.7 |
| 4 SPA 425            | 431  | 425            | 5    | 3020     | 75        | 65 | 390 | 7  | 51  | 159 | 20.5 |
| 4 SPA 450            | 456  | 450            | 5    | 3020     | 75        | 65 | 415 | 7  | 51  | 159 | 23.2 |
| 4 SPA 475            | 481  | 475            | 5    | 3020     | 75        | 65 | 440 | 7  | 51  | 159 | 25.3 |
| 4 SPA 500            | 506  | 500            | 5    | 3020     | 75        | 65 | 465 | 7  | 51  | 159 | 27.4 |
| 4 SPA 530            | 536  | 530            | 5    | 3020     | 75        | 65 | 495 | 7  | 51  | 159 | 29   |
| 4 SPA 560            | 566  | 560            | 5    | 3525     | 100       | 65 | 525 | -  | 65  | 191 | 30.5 |
| 4 SPA 630            | 636  | 630            | 5    | 3525     | 100       | 65 | 595 | -  | 65  | 191 | 34.1 |
| 4 SPA 710            | 716  | 710            | 5    | 3525     | 100       | 65 | 675 | -  | 65  | 191 | 47   |
| 4 SPA 800            | 806  | 800            | 5    | 3525     | 100       | 65 | 765 | -  | 65  | 191 | 50.8 |
| 4 SPA 900            | 906  | 900            | 4    | 3525     | 100       | 65 | 866 | -  | 65  | 191 | 55.6 |
| 4 SPA 1000           | 1006 | 1000           | 4    | 4040     | 115       | 65 | 964 | 19 | 102 | 215 | 62   |



# Taper Bushed Pulley SPA



Let *Martin* quote your made to order and large quantity requirements



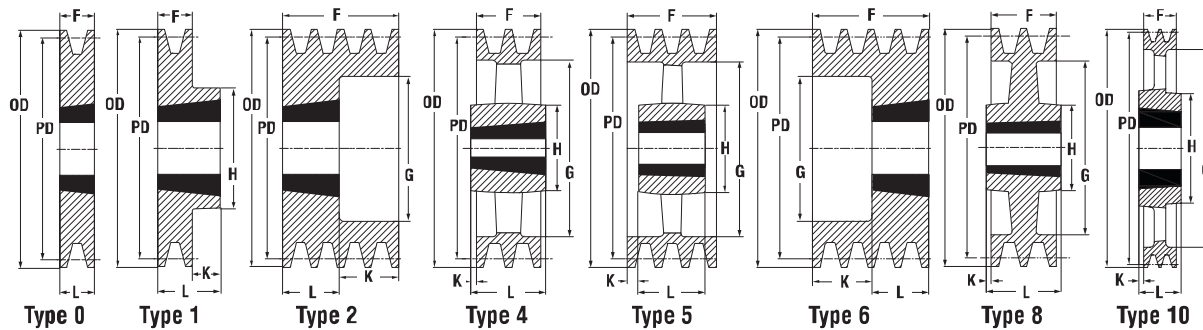
| 5 Groove<br>F = 80mm |      |                   |      |             |              |    |     |    |     |      |
|----------------------|------|-------------------|------|-------------|--------------|----|-----|----|-----|------|
| Part Number          | OD   | PD<br>SPA<br>Belt | Type | Bush<br>No. | Max.<br>Bore | F  | G   | K  | L   | Wt.  |
| 5 SPA 100            | 106  | 100               | 3    | 1610        | 42           | 80 | 69  | 28 | 25  | 1.9  |
| 5 SPA 106            | 112  | 106               | 6    | 2012        | 50           | 80 | 71  | 48 | 32  | 2.1  |
| 5 SPA 112            | 118  | 112               | 6    | 2012        | 50           | 80 | 77  | 48 | 32  | 2.4  |
| 5 SPA 118            | 124  | 118               | 2    | 2012        | 50           | 80 | 84  | 48 | 32  | 2.7  |
| 5 SPA 125            | 131  | 125               | 3    | 2012        | 50           | 80 | 90  | 24 | 32  | 3.1  |
| 5 SPA 132            | 138  | 132               | 3    | 2517        | 60           | 80 | 98  | 18 | 45  | 3.2  |
| 5 SPA 140            | 146  | 140               | 3    | 2517        | 60           | 80 | 105 | 18 | 45  | 3.9  |
| 5 SPA 150            | 156  | 150               | 3    | 2517        | 60           | 80 | 115 | 18 | 45  | 4.7  |
| 5 SPA 160            | 166  | 160               | 3    | 2517        | 60           | 80 | 125 | 18 | 45  | 5.6  |
| 5 SPA 170            | 176  | 170               | 3    | 3020        | 75           | 80 | 135 | 15 | 51  | 6.2  |
| 5 SPA 180            | 186  | 180               | 3    | 3020        | 75           | 80 | 145 | 15 | 51  | 6.8  |
| 5 SPA 190            | 196  | 190               | 3    | 3020        | 75           | 80 | 155 | 15 | 51  | 7.4  |
| 5 SPA 200            | 206  | 200               | 3    | 3020        | 75           | 80 | 165 | 15 | 51  | 9.1  |
| 5 SPA 212            | 218  | 212               | 2    | 3020        | 75           | 80 | 177 | 29 | 51  | 10.7 |
| 5 SPA 224            | 230  | 224               | 2    | 3020        | 75           | 80 | 189 | 29 | 51  | 12.3 |
| 5 SPA 236            | 242  | 236               | 2    | 3020        | 75           | 80 | 200 | 29 | 51  | 14.2 |
| 5 SPA 250            | 256  | 250               | 11   | 3020        | 75           | 80 | 213 | 15 | 51  | 10.9 |
| 5 SPA 265            | 271  | 265               | 11   | 3020        | 75           | 80 | 228 | 15 | 51  | 11.6 |
| 5 SPA 280            | 286  | 280               | 11   | 3525        | 100          | 80 | 243 | 8  | 65  | 17.5 |
| 5 SPA 300            | 306  | 300               | 11   | 3525        | 100          | 80 | 263 | 8  | 65  | 17.5 |
| 5 SPA 315            | 321  | 315               | 11   | 3525        | 100          | 80 | 278 | 8  | 65  | 17.5 |
| 5 SPA 335            | 341  | 335               | 11   | 3525        | 100          | 80 | 298 | 8  | 65  | 17.5 |
| 5 SPA 355            | 361  | 355               | 5    | 3525        | 100          | 80 | 320 | 8  | 65  | 191  |
| 5 SPA 375            | 381  | 375               | 5    | 3525        | 100          | 80 | 339 | 8  | 65  | 191  |
| 5 SPA 400            | 406  | 400               | 5    | 3525        | 100          | 80 | 365 | 8  | 65  | 191  |
| 5 SPA 425            | 431  | 425               | 5    | 3525        | 100          | 80 | 389 | 8  | 65  | 191  |
| 5 SPA 450            | 456  | 450               | 5    | 3525        | 100          | 80 | 415 | 8  | 65  | 191  |
| 5 SPA 475            | 481  | 475               | 5    | 3525        | 100          | 80 | 439 | 8  | 65  | 191  |
| 5 SPA 500            | 506  | 500               | 5    | 3525        | 100          | 80 | 465 | 8  | 65  | 191  |
| 5 SPA 530            | 536  | 530               | 5    | 3525        | 100          | 80 | 494 | 8  | 65  | 191  |
| 5 SPA 560            | 566  | 560               | 5    | 3525        | 100          | 80 | 525 | 8  | 65  | 191  |
| 5 SPA 630            | 636  | 630               | 5    | 3525        | 100          | 80 | 595 | 8  | 65  | 191  |
| 5 SPA 710            | 716  | 710               | 5    | 4030        | 115          | 80 | 675 | 2  | 76  | 216  |
| 5 SPA 800            | 806  | 800               | 5    | 4030        | 115          | 80 | 765 | 2  | 76  | 216  |
| 5 SPA 900            | 906  | 900               | 5    | 4030        | 115          | 80 | 866 | 2  | 76  | 210  |
| 5 SPA 1000           | 1006 | 1000              | 4    | 4545        | 110          | 80 | 964 | 18 | 115 | 240  |

| 6 Groove<br>F = 95mm |      |                   |      |             |              |    |     |    |     |      |
|----------------------|------|-------------------|------|-------------|--------------|----|-----|----|-----|------|
| Part Number          | OD   | PD<br>SPA<br>Belt | Type | Bush<br>No. | Max.<br>Bore | F  | G   | K  | L   | Wt.  |
| 6 SPA 100            | 106  | 100               | 3    | 1610        | 42           | 95 | 69  | 35 | 25  | 2.2  |
| 6 SPA 106            | 112  | 106               | 6    | 2012        | 50           | 95 | 71  | 63 | 32  | 2.5  |
| 6 SPA 112            | 118  | 112               | 6    | 2012        | 50           | 95 | 77  | 63 | 32  | 2.8  |
| 6 SPA 118            | 124  | 118               | 6    | 2012        | 50           | 95 | 84  | 63 | 32  | 3.1  |
| 6 SPA 125            | 131  | 125               | 3    | 2012        | 50           | 95 | 90  | 32 | 32  | 3.7  |
| 6 SPA 132            | 138  | 132               | 3    | 2517        | 60           | 95 | 97  | 25 | 45  | 3.6  |
| 6 SPA 140            | 146  | 140               | 3    | 2517        | 60           | 95 | 105 | 25 | 45  | 4.5  |
| 6 SPA 150            | 156  | 150               | 3    | 2517        | 60           | 95 | 115 | 25 | 45  | 5.3  |
| 6 SPA 160            | 166  | 160               | 3    | 2517        | 60           | 95 | 125 | 25 | 45  | 6.3  |
| 6 SPA 170            | 176  | 170               | 3    | 3020        | 75           | 95 | 135 | 22 | 51  | 6.9  |
| 6 SPA 180            | 186  | 180               | 3    | 3020        | 75           | 95 | 145 | 22 | 51  | 7.5  |
| 6 SPA 190            | 196  | 190               | 3    | 3020        | 75           | 95 | 155 | 22 | 51  | 8.6  |
| 6 SPA 200            | 206  | 200               | 3    | 3020        | 75           | 95 | 165 | 22 | 51  | 9.9  |
| 6 SPA 212            | 218  | 212               | 3    | 3020        | 75           | 95 | 177 | 22 | 51  | 11.6 |
| 6 SPA 224            | 230  | 224               | 3    | 3020        | 75           | 95 | 189 | 22 | 51  | 13.2 |
| 6 SPA 236            | 242  | 236               | 7    | 3020        | 75           | 95 | 201 | 22 | 51  | 15.9 |
| 6 SPA 250            | 256  | 250               | 11   | 3020        | 75           | 95 | 213 | 22 | 51  | 12.2 |
| 6 SPA 265            | 271  | 265               | 11   | 3020        | 75           | 95 | 228 | 22 | 51  | 13   |
| 6 SPA 280            | 286  | 280               | 11   | 3525        | 100          | 95 | 243 | 15 | 65  | 17.5 |
| 6 SPA 300            | 306  | 300               | 11   | 3525        | 100          | 95 | 263 | 15 | 65  | 17.5 |
| 6 SPA 315            | 321  | 315               | 11   | 3525        | 100          | 95 | 278 | 15 | 65  | 17.5 |
| 6 SPA 335            | 341  | 335               | 11   | 3525        | 100          | 95 | 298 | 15 | 65  | 17.5 |
| 6 SPA 355            | 361  | 355               | 5    | 3525        | 100          | 95 | 320 | 15 | 65  | 191  |
| 6 SPA 375            | 381  | 375               | 5    | 3525        | 100          | 95 | 339 | 15 | 65  | 191  |
| 6 SPA 400            | 406  | 400               | 5    | 3525        | 100          | 95 | 365 | 15 | 65  | 191  |
| 6 SPA 425            | 431  | 425               | 5    | 3525        | 100          | 95 | 389 | 15 | 65  | 191  |
| 6 SPA 450            | 456  | 450               | 5    | 3525        | 100          | 95 | 415 | 15 | 65  | 191  |
| 6 SPA 475            | 481  | 475               | 5    | 3525        | 100          | 95 | 439 | 15 | 65  | 191  |
| 6 SPA 500            | 506  | 500               | 5    | 3525        | 100          | 95 | 465 | 15 | 65  | 191  |
| 6 SPA 530            | 536  | 530               | 5    | 3525        | 100          | 95 | 494 | 15 | 65  | 191  |
| 6 SPA 560            | 566  | 560               | 5    | 3525        | 100          | 95 | 524 | 15 | 65  | 191  |
| 6 SPA 630            | 636  | 630               | 5    | 4030        | 115          | 95 | 595 | 10 | 76  | 216  |
| 6 SPA 710            | 716  | 710               | 5    | 4030        | 115          | 95 | 675 | 10 | 76  | 216  |
| 6 SPA 800            | 806  | 800               | 5    | 4030        | 115          | 95 | 765 | 10 | 76  | 216  |
| 6 SPA 900            | 906  | 900               | 5    | 4030        | 115          | 95 | 866 | 10 | 76  | 216  |
| 6 SPA 1000           | 1006 | 1000              | 4    | 4545        | 110          | 95 | 965 | 10 | 115 | 240  |

NOTE: Dimensions in millimeters, weight in kilograms. Weights do not include bushings.

# SPB Taper Bushed Pulley

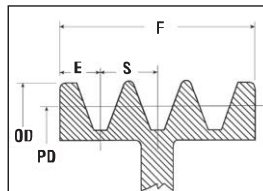
*Martin*



## Pulley Groove Dimensions (ISO Standard)

| Belt Section | E    | S  | OD    |
|--------------|------|----|-------|
| SPB          | 12.5 | 19 | PD +7 |

Dimensions in millimeters.  
 $F = S(N-1) + 2E$   
 N = No. of Grooves



$F = S(N-1) + 2E$   
 N = No. of Grooves  
 SPZ Taper Bushed Pulley

| 1 Groove    |     |                   |      |             |              |    |     |    |    |     |      |
|-------------|-----|-------------------|------|-------------|--------------|----|-----|----|----|-----|------|
| F = 25mm    |     |                   |      |             |              |    |     |    |    |     |      |
| Part Number | OD  | PD<br>SPB<br>Belt | Type | Bush<br>No. | Max.<br>Bore | F  | G   | K  | L  | H   | Wt.  |
| 1 SPB 100   | 107 | 100               | 0    | 1610        | 42           | 25 | -   | -  | 25 | -   | 0.8  |
| 1 SPB 106   | 113 | 106               | 0    | 1610        | 42           | 25 | -   | -  | 25 | -   | 1.0  |
| 1 SPB 112   | 119 | 112               | 0    | 1610        | 42           | 25 | -   | -  | 25 | -   | 1.2  |
| 1 SPB 118   | 125 | 118               | 0    | 1610        | 42           | 25 | -   | -  | 25 | -   | 1.5  |
| 1 SPB 125   | 132 | 125               | 0    | 1610        | 42           | 25 | -   | -  | 25 | -   | 1.5  |
| 1 SPB 132   | 139 | 132               | 0    | 1610        | 42           | 25 | -   | -  | 25 | -   | 1.8  |
| 1 SPB 140   | 147 | 140               | 0    | 1610        | 42           | 25 | -   | -  | 25 | -   | 2.1  |
| 1 SPB 150   | 157 | 150               | 0    | 1610        | 42           | 25 | -   | -  | 25 | -   | 2.5  |
| 1 SPB 160   | 167 | 160               | 0    | 1610        | 42           | 25 | -   | -  | 25 | -   | 2.9  |
| 1 SPB 170   | 177 | 170               | 0    | 1610        | 42           | 25 | -   | -  | 25 | -   | 3.0  |
| 1 SPB 180   | 187 | 180               | 0    | 1610        | 42           | 25 | -   | -  | 25 | -   | 3.8  |
| 1 SPB 190   | 197 | 190               | 1    | 2012        | 50           | 25 | -   | -  | 32 | 112 | 4.4  |
| 1 SPB 200   | 207 | 200               | 8    | 2012        | 50           | 25 | 157 | -  | 32 | 106 | 4.0  |
| 1 SPB 212   | 219 | 212               | 8    | 2012        | 50           | 25 | 169 | -  | 32 | 106 | 5.2  |
| 1 SPB 224   | 231 | 224               | 8    | 2012        | 50           | 25 | 181 | -  | 32 | 106 | 5.2  |
| 1 SPB 236   | 243 | 236               | 8    | 2012        | 50           | 25 | 193 | -  | 32 | 106 | 5.4  |
| 1 SPB 250   | 257 | 250               | 10   | 2012        | 50           | 25 | 211 | 4  | 32 | 91  | 3.6  |
| 1 SPB 265   | 272 | 265               | 10   | 2012        | 50           | 25 | 226 | 4  | 32 | 91  | 3.9  |
| 1 SPB 280   | 287 | 280               | 10   | 2012        | 50           | 25 | 241 | 4  | 32 | 91  | 4.2  |
| 1 SPB 300   | 307 | 300               | 10   | 2012        | 50           | 25 | 261 | 4  | 32 | 91  | 4.6  |
| 1 SPB 315   | 322 | 315               | 10   | 2012        | 50           | 25 | 276 | 4  | 32 | 91  | 4.9  |
| 1 SPB 335   | 342 | 335               | 10   | 2517        | 60           | 25 | 296 | 10 | 45 | 118 | 6.3  |
| 1 SPB 355   | 362 | 355               | 10   | 3020        | 75           | 25 | 316 | 13 | 51 | 152 | 8.2  |
| 1 SPB 375   | 382 | 375               | 10   | 3020        | 75           | 25 | 336 | 13 | 51 | 152 | 8.7  |
| 1 SPB 400   | 407 | 400               | 10   | 3020        | 75           | 25 | 361 | 13 | 51 | 152 | 9.1  |
| 1 SPB 425   | 432 | 425               | 4    | 3020        | 75           | 25 | 378 | 13 | 51 | 152 | 11.5 |
| 1 SPB 450   | 457 | 450               | 4    | 3020        | 75           | 25 | 407 | 13 | 51 | 146 | 12.3 |
| 1 SPB 475   | 482 | 475               | 4    | 3020        | 75           | 25 | 432 | 13 | 51 | 146 | 13.4 |
| 1 SPB 500   | 507 | 500               | 4    | 3020        | 75           | 25 | 457 | 13 | 51 | 146 | 14.6 |
| 1 SPB 530   | 537 | 530               | 4    | 3020        | 75           | 25 | 484 | 13 | 51 | 146 | 15.2 |
| 1 SPB 560   | 567 | 560               | 4    | 3020        | 75           | 25 | 517 | 13 | 51 | 146 | 18.5 |
| 1 SPB 630   | 637 | 630               | 4    | 3020        | 75           | 25 | 583 | 13 | 51 | 146 | 20.5 |

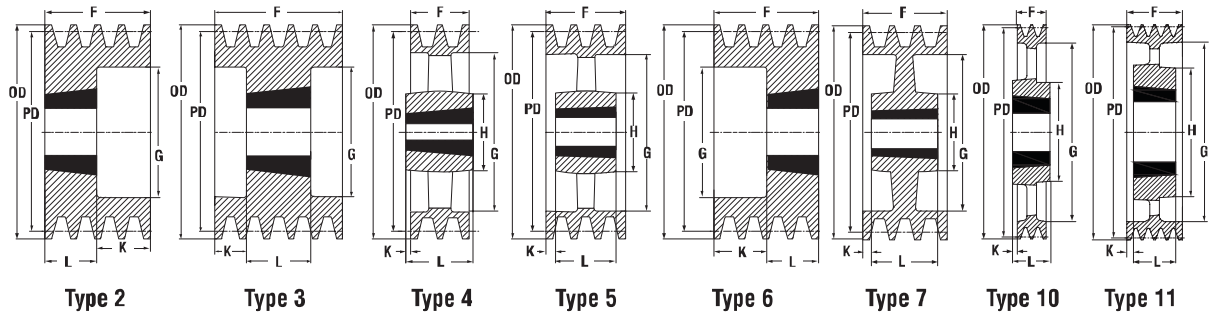
| 2 Groove    |     |          |      |          |           |    |     |    |    |     |      |  |
|-------------|-----|----------|------|----------|-----------|----|-----|----|----|-----|------|--|
| F = 44mm    |     |          |      |          |           |    |     |    |    |     |      |  |
| Part Number | OD  | PD       | Type | Bush No. | Max. Bore | F  | G   | K  | L  | H   | Wt.  |  |
|             |     | SPB Belt |      |          |           |    |     |    |    |     |      |  |
| 2 SPB 100   | 107 | 100      | 6    | 1610     | 42        | 44 | 60  | 19 | 25 | -   | 1.3  |  |
| 2 SPB 106   | 113 | 106      | 6    | 1610     | 42        | 44 | 65  | 19 | 25 | -   | 1.5  |  |
| 2 SPB 112   | 119 | 112      | 2    | 2012     | 50        | 44 | 69  | 12 | 32 | -   | 1.5  |  |
| 2 SPB 118   | 125 | 118      | 2    | 2012     | 50        | 44 | 76  | 12 | 32 | -   | 1.7  |  |
| 2 SPB 125   | 132 | 125      | 2    | 2012     | 50        | 44 | 90  | 12 | 32 | -   | 2    |  |
| 2 SPB 132   | 139 | 132      | 2    | 2012     | 50        | 44 | 89  | 12 | 32 | -   | 2.4  |  |
| 2 SPB 140   | 147 | 140      | 2    | 2012     | 50        | 44 | 97  | 12 | 32 | -   | 2.8  |  |
| 2 SPB 150   | 157 | 150      | 2    | 2012     | 50        | 44 | 107 | 12 | 32 | -   | 3.3  |  |
| 2 SPB 160   | 167 | 160      | 2    | 2012     | 50        | 44 | 117 | 12 | 32 | -   | 4    |  |
| 2 SPB 170   | 177 | 170      | 2    | 2012     | 50        | 44 | 127 | 12 | 32 | -   | 4.4  |  |
| 2 SPB 180   | 187 | 180      | 1    | 2517     | 60        | 44 | -   | 1  | 45 | 120 | 5.5  |  |
| 2 SPB 190   | 197 | 190      | 1    | 2517     | 60        | 44 | -   | 1  | 45 | 120 | 6.5  |  |
| 2 SPB 200   | 207 | 200      | 1    | 2517     | 60        | 44 | -   | 1  | 45 | 124 | 7.5  |  |
| 2 SPB 212   | 219 | 212      | 8    | 2517     | 60        | 44 | 169 | -  | 45 | 125 | 7    |  |
| 2 SPB 224   | 231 | 224      | 8    | 2517     | 60        | 44 | 181 | 1  | 45 | 125 | 7.7  |  |
| 2 SPB 236   | 243 | 236      | 8    | 2517     | 60        | 44 | 193 | 1  | 45 | 125 | 8.3  |  |
| 2 SPB 250   | 257 | 250      | 10   | 2517     | 60        | 44 | 211 | 1  | 45 | 125 | 6.4  |  |
| 2 SPB 265   | 272 | 265      | 10   | 2517     | 60        | 44 | 226 | 1  | 45 | 125 | 6.9  |  |
| 2 SPB 280   | 287 | 280      | 10   | 2517     | 60        | 44 | 241 | 1  | 45 | 125 | 7.2  |  |
| 2 SPB 300   | 307 | 300      | 10   | 2517     | 60        | 44 | 261 | 1  | 45 | 125 | 7.8  |  |
| 2 SPB 315   | 322 | 315      | 10   | 2517     | 60        | 44 | 276 | 1  | 45 | 125 | 8.2  |  |
| 2 SPB 335   | 342 | 335      | 10   | 2517     | 60        | 44 | 296 | 1  | 45 | 125 | 8.8  |  |
| 2 SPB 355   | 362 | 355      | 10   | 3020     | 75        | 44 | 316 | 4  | 51 | 146 | 11   |  |
| 2 SPB 375   | 382 | 375      | 10   | 3020     | 75        | 44 | 336 | 4  | 51 | 146 | 11.5 |  |
| 2 SPB 400   | 407 | 400      | 10   | 3020     | 75        | 44 | 361 | 4  | 51 | 146 | 12.3 |  |
| 2 SPB 425   | 432 | 425      | 4    | 3020     | 75        | 44 | 382 | 4  | 51 | 155 | 16   |  |
| 2 SPB 450   | 457 | 450      | 4    | 3020     | 75        | 44 | 407 | 4  | 51 | 146 | 16.3 |  |
| 2 SPB 475   | 482 | 475      | 4    | 3020     | 75        | 44 | 432 | 4  | 51 | 146 | 17.5 |  |
| 2 SPB 500   | 507 | 500      | 4    | 3020     | 75        | 44 | 457 | 4  | 51 | 146 | 18.6 |  |
| 2 SPB 530   | 537 | 530      | 4    | 3020     | 75        | 44 | 484 | 4  | 51 | 146 | 19.2 |  |
| 2 SPB 560   | 567 | 560      | 4    | 3020     | 75        | 44 | 517 | 4  | 51 | 146 | 22.5 |  |
| 2 SPB 630   | 637 | 630      | 4    | 3020     | 75        | 44 | 587 | 4  | 51 | 146 | 25.5 |  |
| 2 SPB 710   | 717 | 710      | 4    | 3020     | 75        | 44 | 664 | 4  | 51 | 145 | 28   |  |
| 2 SPB 800   | 807 | 800      | 4    | 3525     | 100       | 44 | 753 | 11 | 65 | 191 | 32.1 |  |

NOTE: Dimensions in millimeters, weight in kilograms. Weights do not include bushings.

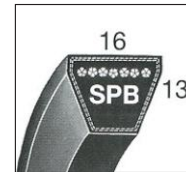
D-10

# Martin

## Taper Bushed Pulley **SPB**



Let *Martin* quote your made to order and large quantity requirements

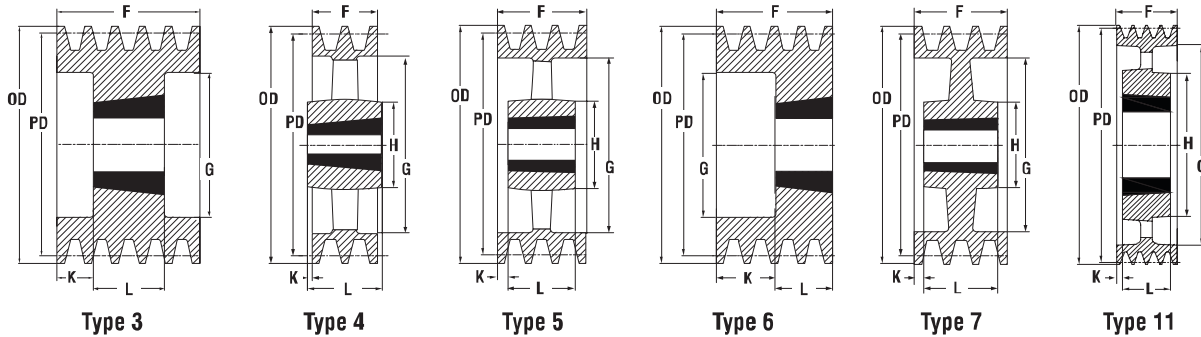


| 3 Groove<br>F = 63mm |      |                   |      |             |              |    |      |    |     |     |       |
|----------------------|------|-------------------|------|-------------|--------------|----|------|----|-----|-----|-------|
| Part Number          | OD   | PD<br>SPB<br>Bell | Type | Bush<br>No. | Max.<br>Bore | F  | G    | K  | L   | H   | Wt.   |
| 3 SPB 100            | 107  | 100               | 6    | 1610        | 42           | 63 | 60   | 38 | 25  | -   | 0.9   |
| 3 SPB 106            | 113  | 106               | 6    | 1610        | 42           | 63 | 65   | 38 | 25  | -   | 2.0   |
| 3 SPB 112            | 119  | 112               | 2    | 2012        | 50           | 63 | 72   | 31 | 32  | -   | 2.0   |
| 3 SPB 118            | 125  | 118               | 2    | 2012        | 50           | 63 | 80   | 31 | 32  | -   | 2.3   |
| 3 SPB 125            | 132  | 125               | 2    | 2012        | 50           | 63 | 82   | 31 | 32  | -   | 2.5   |
| 3 SPB 132            | 139  | 132               | 2    | 2012        | 50           | 63 | 89   | 31 | 32  | -   | 3.1   |
| 3 SPB 140            | 147  | 140               | 2    | 2012        | 50           | 63 | 97   | 31 | 32  | -   | 3.5   |
| 3 SPB 150            | 157  | 150               | 2    | 2517        | 60           | 63 | 107  | 18 | 45  | -   | 4.0   |
| 3 SPB 160            | 167  | 160               | 2    | 2517        | 60           | 63 | 117  | 18 | 45  | -   | 4.9   |
| 3 SPB 170            | 177  | 170               | 2    | 2517        | 60           | 63 | 127  | 18 | 45  | -   | 5.7   |
| 3 SPB 180            | 187  | 180               | 2    | 2517        | 60           | 63 | 137  | 18 | 45  | -   | 6.7   |
| 3 SPB 190            | 197  | 190               | 2    | 2517        | 60           | 63 | 147  | 18 | 45  | -   | 7.6   |
| 3 SPB 200            | 207  | 200               | 2    | 2517        | 60           | 63 | 157  | 18 | 45  | -   | 8.9   |
| 3 SPB 212            | 219  | 212               | 7    | 2517        | 60           | 63 | 169  | -  | 45  | 125 | 8.2   |
| 3 SPB 224            | 231  | 224               | 7    | 2517        | 60           | 63 | 181  | -  | 45  | 125 | 9.1   |
| 3 SPB 236            | 243  | 236               | 7    | 2517        | 60           | 63 | 193  | -  | 45  | 125 | 9.8   |
| 3 SPB 250            | 257  | 250               | 11   | 3020        | 75           | 63 | 211  | 6  | 51  | 152 | 9.4   |
| 3 SPB 265            | 272  | 265               | 11   | 3020        | 75           | 63 | 226  | 6  | 51  | 152 | 9.9   |
| 3 SPB 280            | 287  | 280               | 11   | 3020        | 75           | 63 | 241  | 6  | 51  | 152 | 10.5  |
| 3 SPB 300            | 307  | 300               | 11   | 3020        | 75           | 63 | 261  | 6  | 51  | 152 | 11.3  |
| 3 SPB 315            | 322  | 315               | 11   | 3020        | 75           | 63 | 276  | 6  | 51  | 152 | 11.8  |
| 3 SPB 335            | 342  | 335               | 11   | 3020        | 75           | 63 | 296  | 6  | 51  | 152 | 12.6  |
| 3 SPB 355            | 362  | 355               | 11   | 3020        | 75           | 63 | 316  | 6  | 51  | 152 | 13.5  |
| 3 SPB 375            | 382  | 375               | 10   | 3525        | 100          | 63 | 336  | 1  | 65  | 175 | 16.5  |
| 3 SPB 400            | 407  | 400               | 10   | 3525        | 100          | 63 | 361  | 1  | 65  | 175 | 17.4  |
| 3 SPB 425            | 432  | 425               | 4    | 3525        | 100          | 63 | 381  | 1  | 65  | 191 | 25.7  |
| 3 SPB 450            | 457  | 450               | 4    | 3525        | 100          | 63 | 407  | 1  | 65  | 191 | 26.3  |
| 3 SPB 475            | 482  | 475               | 4    | 3525        | 100          | 63 | 431  | 1  | 65  | 191 | 28.1  |
| 3 SPB 500            | 507  | 500               | 4    | 3525        | 100          | 63 | 457  | 1  | 65  | 191 | 29.9  |
| 3 SPB 530            | 537  | 530               | 4    | 3525        | 100          | 63 | 484  | 1  | 65  | 191 | 33.6  |
| 3 SPB 560            | 567  | 560               | 4    | 3525        | 100          | 63 | 517  | 1  | 65  | 191 | 37.2  |
| 3 SPB 630            | 637  | 630               | 4    | 3525        | 100          | 63 | 587  | 1  | 65  | 191 | 41.0  |
| 3 SPB 710            | 717  | 710               | 4    | 3525        | 100          | 63 | 667  | 1  | 65  | 191 | 48.0  |
| 3 SPB 800            | 807  | 800               | 4    | 3525        | 100          | 63 | 757  | 1  | 65  | 191 | 55.0  |
| 3 SPB 900            | 907  | 900               | 4    | 3525        | 100          | 63 | 857  | 1  | 65  | 191 | 64.1  |
| 3 SPB 1000           | 1007 | 1000              | 4    | 4030        | 115          | 63 | 957  | 7  | 76  | 215 | 72.0  |
| 3 SPB 1120           | 1127 | 1120              | 4    | 4030        | 115          | 63 | 1077 | 7  | 76  | 215 | 110.5 |
| 3 SPB 1250           | 1257 | 1250              | 4    | 5040        | 125          | 63 | 1207 | 20 | 102 | 265 | 140.0 |

| 4 Groove<br>F = 82mm |      |                   |      |             |              |    |      |    |     |     |       |
|----------------------|------|-------------------|------|-------------|--------------|----|------|----|-----|-----|-------|
| Part Number          | OD   | PD<br>SPB<br>Bell | Type | Bush<br>No. | Max.<br>Bore | F  | G    | K  | L   | H   | Wt.   |
| 4 SPB 100            | 107  | 100               | 3    | 1210        | 32           | 82 | 82   | 58 | 29  | 25  | 2.4   |
| 4 SPB 106            | 113  | 106               | 3    | 1610        | 42           | 82 | 82   | 65 | 29  | 25  | 2.3   |
| 4 SPB 112            | 119  | 112               | 3    | 1610        | 42           | 82 | 69   | 29 | 25  | -   | 2.8   |
| 4 SPB 118            | 125  | 118               | 3    | 1610        | 42           | 82 | 75   | 29 | 25  | -   | 3.3   |
| 4 SPB 125            | 132  | 125               | 3    | 2012        | 50           | 82 | 82   | 25 | 32  | -   | 3.0   |
| 4 SPB 132            | 139  | 132               | 3    | 2012        | 50           | 82 | 89   | 25 | 32  | -   | 3.8   |
| 4 SPB 140            | 147  | 140               | 3    | 2517        | 60           | 82 | 98   | 19 | 45  | -   | 4.0   |
| 4 SPB 150            | 157  | 150               | 3    | 2517        | 60           | 82 | 107  | 19 | 45  | -   | 4.9   |
| 4 SPB 160            | 167  | 160               | 3    | 2517        | 60           | 82 | 117  | 19 | 45  | -   | 5.8   |
| 4 SPB 170            | 177  | 170               | 3    | 2517        | 60           | 82 | 127  | 19 | 45  | -   | 6.6   |
| 4 SPB 180            | 187  | 180               | 3    | 2517        | 60           | 82 | 137  | 19 | 45  | -   | 7.7   |
| 4 SPB 190            | 197  | 190               | 3    | 2517        | 60           | 82 | 147  | 19 | 45  | -   | 8.6   |
| 4 SPB 200            | 207  | 200               | 3    | 3020        | 75           | 82 | 157  | 16 | 51  | -   | 9.3   |
| 4 SPB 212            | 219  | 212               | 3    | 3020        | 75           | 82 | 169  | 16 | 51  | -   | 10.9  |
| 4 SPB 224            | 231  | 224               | 3    | 3020        | 75           | 82 | 181  | 16 | 51  | -   | 12.4  |
| 4 SPB 236            | 243  | 236               | 3    | 3020        | 75           | 82 | 193  | 16 | 51  | -   | 14.1  |
| 4 SPB 250            | 257  | 250               | 11   | 3020        | 75           | 82 | 211  | 16 | 51  | 152 | 11    |
| 4 SPB 265            | 272  | 265               | 11   | 3020        | 75           | 82 | 226  | 16 | 51  | 152 | 11.7  |
| 4 SPB 280            | 287  | 280               | 11   | 3020        | 75           | 82 | 241  | 16 | 51  | 152 | 12.4  |
| 4 SPB 300            | 307  | 300               | 11   | 3525        | 100          | 82 | 261  | 9  | 65  | 175 | 15.4  |
| 4 SPB 315            | 322  | 315               | 11   | 3525        | 100          | 82 | 276  | 9  | 65  | 175 | 16.1  |
| 4 SPB 335            | 342  | 335               | 11   | 3525        | 100          | 82 | 296  | 9  | 65  | 175 | 17.1  |
| 4 SPB 355            | 362  | 355               | 11   | 3525        | 100          | 82 | 316  | 9  | 65  | 175 | 18.1  |
| 4 SPB 375            | 382  | 375               | 11   | 3525        | 100          | 82 | 336  | 9  | 65  | 175 | 19.1  |
| 4 SPB 400            | 407  | 400               | 11   | 3525        | 100          | 82 | 361  | 9  | 65  | 175 | 20.5  |
| 4 SPB 425            | 432  | 425               | 5    | 3525        | 100          | 82 | 381  | 9  | 65  | 191 | 28.1  |
| 4 SPB 450            | 457  | 450               | 5    | 3525        | 100          | 82 | 407  | 9  | 65  | 191 | 29.7  |
| 4 SPB 475            | 482  | 475               | 5    | 3525        | 100          | 82 | 431  | 9  | 65  | 191 | 32.2  |
| 4 SPB 500            | 507  | 500               | 5    | 3525        | 100          | 82 | 457  | 9  | 65  | 191 | 34.7  |
| 4 SPB 530            | 537  | 530               | 5    | 3525        | 100          | 82 | 484  | 9  | 65  | 191 | 36.9  |
| 4 SPB 560            | 567  | 560               | 5    | 3525        | 100          | 82 | 517  | 9  | 65  | 191 | 39.0  |
| 4 SPB 630            | 637  | 630               | 5    | 3525        | 100          | 82 | 587  | 9  | 65  | 191 | 44.5  |
| 4 SPB 710            | 717  | 710               | 5    | 3525        | 100          | 82 | 667  | 9  | 65  | 191 | 50.5  |
| 4 SPB 800            | 807  | 800               | 5    | 4030        | 115          | 82 | 757  | 3  | 76  | 215 | 60.5  |
| 4 SPB 900            | 907  | 900               | 5    | 4030        | 115          | 82 | 857  | 3  | 76  | 215 | 70.0  |
| 4 SPB 1000           | 1007 | 1000              | 5    | 4030        | 115          | 82 | 957  | 3  | 76  | 215 | 76.5  |
| 4 SPB 1120           | 1127 | 1120              | 5    | 4030        | 115          | 82 | 1077 | 3  | 76  | 215 | 121.7 |
| 4 SPB 1250           | 1257 | 1250              | 4    | 5040        | 125          | 82 | 1207 | 10 | 102 | 265 | 162.0 |

# SPB Taper Bushed Pulley

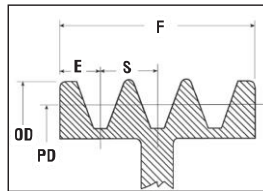
*Martin*



## Pulley Groove Dimensions (ISO Standard)

| Belt Section | E    | S  | OD     |
|--------------|------|----|--------|
| SPB          | 12.5 | 19 | PD + 7 |

Dimensions in millimeters.  
 $F = S(N-1) + 2E$   
 N = No. of Grooves



$F = S(N-1) + 2E$   
 N = No. of Grooves  
 SPZ Taper Bushed Pulley

| 5 Groove<br>F = 101mm |      |                   |      |             |              |     |      |    |     |           |
|-----------------------|------|-------------------|------|-------------|--------------|-----|------|----|-----|-----------|
| Part Number           | OD   | PD<br>SPB<br>Belt | Type | Bush<br>No. | Max.<br>Bore | F   | G    | K  | L   | Wt.       |
| 5 SPB 100             | 107  | 100               | 3    | 1615        | 42           | 101 | 60   | 32 | 38  | 2.8       |
| 5 SPB 106             | 113  | 106               | 3    | 1615        | 42           | 101 | 65   | 32 | 38  | 3.0       |
| 5 SPB 112             | 119  | 112               | 3    | 1615        | 42           | 101 | 69   | 32 | 38  | 3.2       |
| 5 SPB 118             | 125  | 118               | 3    | 1615        | 42           | 101 | 71   | 32 | 38  | 3.4       |
| 5 SPB 125             | 132  | 125               | 6    | 2012        | 50           | 101 | 82   | 69 | 32  | 3.6       |
| 5 SPB 132             | 139  | 132               | 6    | 2517        | 60           | 101 | 89   | 56 | 45  | 3.8       |
| 5 SPB 140             | 147  | 140               | 3    | 2517        | 50           | 101 | 106  | 28 | 45  | 4.2       |
| 5 SPB 150             | 157  | 150               | 3    | 2517        | 60           | 101 | 107  | 28 | 45  | 5.7       |
| 5 SPB 160             | 167  | 160               | 3    | 2517        | 60           | 101 | 117  | 28 | 45  | 6.7       |
| 5 SPB 170             | 177  | 170               | 3    | 3020        | 75           | 101 | 127  | 25 | 51  | 6.7       |
| 5 SPB 180             | 187  | 180               | 3    | 3020        | 75           | 101 | 137  | 25 | 51  | 7.8       |
| 5 SPB 190             | 197  | 190               | 3    | 3020        | 75           | 101 | 147  | 25 | 51  | 9.1       |
| 5 SPB 200             | 207  | 200               | 3    | 3020        | 75           | 101 | 157  | 25 | 51  | 10.3      |
| 5 SPB 212             | 219  | 212               | 3    | 3020        | 75           | 101 | 169  | 25 | 51  | 12.2      |
| 5 SPB 224             | 231  | 224               | 3    | 3020        | 75           | 101 | 181  | 25 | 51  | 13.7      |
| 5 SPB 236             | 243  | 236               | 3    | 3525        | 100          | 101 | 193  | 18 | 65  | 15.9      |
| 5 SPB 250             | 257  | 250               | 3    | 3525        | 100          | 101 | 207  | 18 | 65  | 18.6      |
| 5 SPB 265             | 272  | 265               | 7    | 3525        | 100          | 101 | 224  | 18 | 65  | 191 20.0  |
| 5 SPB 280             | 287  | 280               | 11   | 3525        | 100          | 101 | 241  | 18 | 65  | 175 16.4  |
| 5 SPB 300             | 307  | 300               | 11   | 3525        | 100          | 101 | 261  | 18 | 65  | 175 17.4  |
| 5 SPB 315             | 322  | 315               | 11   | 3525        | 100          | 101 | 276  | 18 | 65  | 175 18.3  |
| 5 SPB 335             | 342  | 335               | 11   | 3525        | 100          | 101 | 296  | 18 | 65  | 175 19.5  |
| 5 SPB 355             | 362  | 355               | 11   | 3525        | 100          | 101 | 316  | 18 | 65  | 175 20.7  |
| 5 SPB 375             | 382  | 375               | 11   | 3525        | 100          | 101 | 336  | 18 | 65  | 175 21.9  |
| 5 SPB 400             | 407  | 400               | 11   | 3525        | 100          | 101 | 361  | 18 | 65  | 175 23.4  |
| 5 SPB 425             | 432  | 425               | 5    | 3525        | 100          | 101 | 381  | 18 | 65  | 191 31.0  |
| 5 SPB 450             | 457  | 450               | 5    | 3525        | 100          | 101 | 407  | 18 | 65  | 191 32.8  |
| 5 SPB 475             | 482  | 475               | 5    | 3525        | 100          | 101 | 431  | 18 | 65  | 191 34.7  |
| 5 SPB 500             | 507  | 500               | 5    | 3525        | 100          | 101 | 457  | 18 | 65  | 191 36.7  |
| 5 SPB 530             | 537  | 530               | 5    | 3525        | 100          | 101 | 484  | 18 | 65  | 191 41.1  |
| 5 SPB 560             | 567  | 560               | 5    | 3525        | 100          | 101 | 517  | 18 | 65  | 191 45.6  |
| 5 SPB 630             | 637  | 630               | 5    | 3525        | 100          | 101 | 587  | 18 | 65  | 191 50.0  |
| 5 SPB 710             | 717  | 710               | 5    | 4030        | 115          | 101 | 667  | 13 | 76  | 215 63.5  |
| 5 SPB 800             | 807  | 800               | 5    | 4030        | 115          | 101 | 757  | 13 | 76  | 215 67.0  |
| 5 SPB 900             | 907  | 900               | 5    | 4535        | 115          | 101 | 857  | 6  | 89  | 240 103.0 |
| 5 SPB 1000            | 1007 | 1000              | 5    | 4535        | 125          | 101 | 957  | 6  | 89  | 240 110.0 |
| 5 SPB 1120            | 1127 | 1120              | 5    | 4535        | 125          | 101 | 1077 | 6  | 89  | 240 143.0 |
| 5 SPB 1250            | 1257 | 1250              | 4    | 5040        | 125          | 101 | 1207 | 1  | 102 | 265 180.0 |

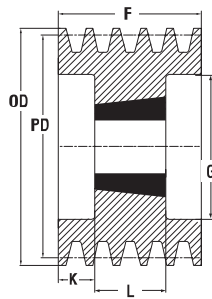
| 6 Groove<br>F = 120mm |      |                   |      |             |              |     |      |    |     |           |
|-----------------------|------|-------------------|------|-------------|--------------|-----|------|----|-----|-----------|
| Part Number           | OD   | PD<br>SPB<br>Belt | Type | Bush<br>No. | Max.<br>Bore | F   | G    | K  | L   | Wt.       |
| 6 SPB 100             | 107  | 100               | 3    | 1615        | 42           | 120 | 60   | 41 | 38  | 3.0       |
| 6 SPB 106             | 113  | 106               | 3    | 1615        | 42           | 120 | 65   | 41 | 38  | 3.3       |
| 6 SPB 112             | 119  | 112               | 3    | 1615        | 42           | 120 | 69   | 41 | 38  | 3.6       |
| 6 SPB 118             | 125  | 118               | 3    | 1615        | 42           | 120 | 71   | 41 | 38  | 3.9       |
| 6 SPB 125             | 132  | 125               | 3    | 2012        | 50           | 120 | 85   | 44 | 32  | 4.2       |
| 6 SPB 132             | 139  | 132               | 3    | 2012        | 50           | 120 | 89   | 44 | 32  | 4.5       |
| 6 SPB 140             | 147  | 140               | 3    | 2517        | 60           | 120 | 97   | 38 | 45  | 4.7       |
| 6 SPB 150             | 157  | 150               | 3    | 2517        | 60           | 120 | 107  | 38 | 45  | 6.5       |
| 6 SPB 160             | 167  | 160               | 3    | 3020        | 75           | 120 | 123  | 35 | 51  | 5.9       |
| 6 SPB 170             | 177  | 170               | 3    | 3020        | 75           | 120 | 127  | 35 | 51  | 7.6       |
| 6 SPB 180             | 187  | 180               | 3    | 3020        | 75           | 120 | 137  | 35 | 51  | 8.9       |
| 6 SPB 190             | 197  | 190               | 3    | 3020        | 75           | 120 | 147  | 35 | 51  | 10.2      |
| 6 SPB 200             | 207  | 200               | 3    | 3020        | 75           | 120 | 157  | 35 | 51  | 11.7      |
| 6 SPB 212             | 219  | 212               | 3    | 3525        | 100          | 120 | 169  | 28 | 65  | 13.2      |
| 6 SPB 224             | 231  | 224               | 3    | 3525        | 100          | 120 | 181  | 28 | 65  | 15.2      |
| 6 SPB 236             | 243  | 236               | 3    | 3525        | 100          | 120 | 193  | 28 | 65  | 17.6      |
| 6 SPB 250             | 257  | 250               | 3    | 3525        | 100          | 120 | 207  | 28 | 65  | 20.2      |
| 6 SPB 265             | 272  | 265               | 7    | 3525        | 100          | 120 | 224  | 28 | 65  | 191 21.8  |
| 6 SPB 280             | 287  | 280               | 11   | 3525        | 100          | 120 | 241  | 28 | 65  | 175 18.1  |
| 6 SPB 300             | 307  | 300               | 11   | 3525        | 100          | 120 | 261  | 28 | 65  | 175 19.5  |
| 6 SPB 315             | 322  | 315               | 11   | 3525        | 100          | 120 | 276  | 28 | 65  | 175 20.6  |
| 6 SPB 335             | 342  | 335               | 11   | 3525        | 100          | 120 | 296  | 28 | 65  | 175 21.7  |
| 6 SPB 355             | 362  | 355               | 11   | 3525        | 100          | 120 | 316  | 28 | 65  | 175 23.2  |
| 6 SPB 375             | 382  | 375               | 11   | 3525        | 100          | 120 | 336  | 28 | 65  | 175 24.6  |
| 6 SPB 400             | 407  | 400               | 11   | 3525        | 100          | 120 | 361  | 28 | 65  | 175 26.3  |
| 6 SPB 425             | 432  | 425               | 5    | 3525        | 100          | 120 | 381  | 28 | 65  | 191 33.6  |
| 6 SPB 450             | 457  | 450               | 5    | 3525        | 100          | 120 | 407  | 28 | 65  | 191 35.3  |
| 6 SPB 475             | 482  | 475               | 5    | 3525        | 100          | 120 | 431  | 28 | 65  | 191 38.0  |
| 6 SPB 500             | 507  | 500               | 5    | 3525        | 100          | 120 | 457  | 28 | 65  | 191 40.7  |
| 6 SPB 530             | 537  | 530               | 5    | 3525        | 100          | 120 | 484  | 28 | 65  | 191 45.0  |
| 6 SPB 560             | 567  | 560               | 5    | 3525        | 100          | 120 | 517  | 28 | 65  | 191 49.2  |
| 6 SPB 630             | 637  | 630               | 5    | 3525        | 100          | 120 | 587  | 28 | 65  | 191 53.5  |
| 6 SPB 710             | 717  | 710               | 5    | 4535        | 125          | 120 | 667  | 16 | 89  | 240 69.0  |
| 6 SPB 800             | 807  | 800               | 5    | 4535        | 125          | 120 | 757  | 16 | 89  | 240 84.5  |
| 6 SPB 900             | 907  | 900               | 5    | 4535        | 125          | 120 | 857  | 16 | 89  | 240 94.5  |
| 6 SPB 1000            | 1007 | 1000              | 5    | 4535        | 125          | 120 | 957  | 16 | 89  | 240 104.0 |
| 6 SPB 1120            | 1127 | 1120              | 5    | 4535        | 125          | 120 | 1077 | 16 | 89  | 240 170.0 |
| 6 SPB 1250            | 1257 | 1250              | 5    | 5040        | 125          | 120 | 1207 | 9  | 102 | 265 210.0 |

NOTE: Dimensions in millimeters, weight in kilograms. Weights do not include bushings.

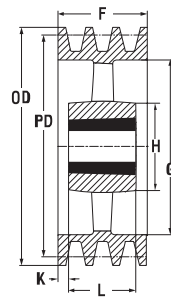
D-12



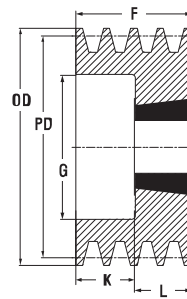
# Taper Bushed Pulley **SPB**



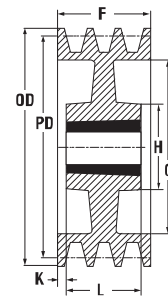
Type 3



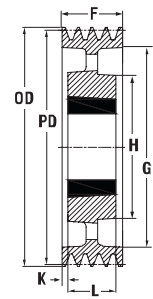
Type 5



Type 6

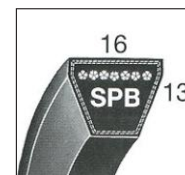


Type 7



Type 11

Let *Martin* quote your made to order and large quantity requirements



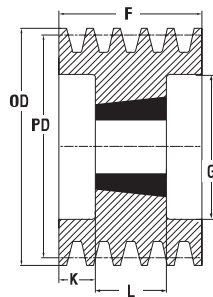
| 8 Groove    |      |          |      |          |           |     |      |    |     |     |       |
|-------------|------|----------|------|----------|-----------|-----|------|----|-----|-----|-------|
| F = 158mm   |      |          |      |          |           |     |      |    |     |     |       |
| Part Number | OD   | PD       | Type | Bush No. | Max. Bore | F   | G    | K  | L   | H   | Wt.   |
|             |      | SPB Belt |      |          |           |     |      |    |     |     |       |
| 8 SPB 160   | 167  | 160      | 3    | 3020     | 75        | 158 | 117  | 54 | 51  | -   | 8.3   |
| 8 SPB 170   | 177  | 170      | 3    | 3020     | 75        | 158 | 123  | 54 | 51  | -   | 9.5   |
| 8 SPB 180   | 187  | 180      | 3    | 3020     | 75        | 158 | 137  | 54 | 51  | -   | 10.8  |
| 8 SPB 190   | 197  | 190      | 3    | 3020     | 75        | 158 | 147  | 54 | 51  | -   | 12.3  |
| 8 SPB 200   | 207  | 200      | 3    | 3525     | 100       | 158 | 157  | 47 | 65  | -   | 13.7  |
| 8 SPB 212   | 219  | 212      | 3    | 3525     | 100       | 158 | 169  | 47 | 65  | -   | 15.8  |
| 8 SPB 224   | 231  | 224      | 3    | 3525     | 100       | 158 | 181  | 47 | 65  | -   | 17.9  |
| 8 SPB 236   | 243  | 236      | 3    | 3525     | 100       | 158 | 193  | 47 | 65  | -   | 20.0  |
| 8 SPB 250   | 257  | 250      | 3    | 3525     | 100       | 158 | 207  | 47 | 65  | -   | 23.2  |
| 8 SPB 265   | 272  | 265      | 3    | 3525     | 100       | 158 | 218  | 47 | 65  | -   | 25.0  |
| 8 SPB 280   | 287  | 280      | 11   | 3525     | 100       | 158 | 241  | 47 | 65  | 175 | 22.2  |
| 8 SPB 300   | 307  | 300      | 11   | 3525     | 100       | 158 | 261  | 47 | 65  | 175 | 23.8  |
| 8 SPB 315   | 322  | 315      | 11   | 3525     | 100       | 158 | 276  | 47 | 65  | 175 | 25    |
| 8 SPB 335   | 342  | 335      | 11   | 3525     | 100       | 158 | 296  | 47 | 65  | 175 | 26.5  |
| 8 SPB 355   | 362  | 355      | 11   | 3525     | 100       | 158 | 316  | 47 | 65  | 175 | 28.4  |
| 8 SPB 375   | 382  | 375      | 11   | 3525     | 100       | 158 | 336  | 47 | 65  | 175 | 30.1  |
| 8 SPB 400   | 407  | 400      | 11   | 3525     | 100       | 158 | 361  | 47 | 65  | 175 | 32.6  |
| 8 SPB 425   | 432  | 425      | 11   | 3525     | 100       | 158 | 386  | 47 | 65  | 175 | 35    |
| 8 SPB 450   | 457  | 450      | 5    | 3525     | 100       | 158 | 396  | 47 | 65  | 191 | 46.0  |
| 8 SPB 475   | 482  | 475      | 5    | 3525     | 100       | 158 | 432  | 47 | 65  | 191 | 49.5  |
| 8 SPB 500   | 507  | 500      | 5    | 3525     | 100       | 158 | 457  | 47 | 65  | 191 | 52.0  |
| 8 SPB 530   | 537  | 530      | 5    | 4030     | 115       | 158 | 484  | 41 | 76  | 215 | 53.0  |
| 8 SPB 560   | 567  | 560      | 5    | 4030     | 115       | 158 | 487  | 41 | 76  | 215 | 54.5  |
| 8 SPB 630   | 637  | 630      | 5    | 4030     | 115       | 158 | 590  | 41 | 76  | 215 | 67.0  |
| 8 SPB 710   | 717  | 710      | 5    | 4535     | 125       | 158 | 667  | 35 | 89  | 240 | 75.5  |
| 8 SPB 800   | 807  | 800      | 5    | 4535     | 125       | 158 | 757  | 35 | 89  | 240 | 94.5  |
| 8 SPB 900   | 907  | 900      | 5    | 4535     | 125       | 158 | 857  | 35 | 89  | 240 | 113.5 |
| 8 SPB 1000  | 1007 | 1000     | 5    | 5040     | 125       | 158 | 957  | 28 | 102 | 265 | 121.5 |
| 8 SPB 1120  | 1127 | 1120     | 5    | 5040     | 125       | 158 | 1077 | 28 | 102 | 265 | 182.2 |
| 8 SPB 1250  | 1257 | 1250     | 5    | 5040     | 125       | 158 | 1207 | 28 | 102 | 265 | 242.0 |

| 10 Groove   |      |          |      |          |           |     |      |    |     |     |       |
|-------------|------|----------|------|----------|-----------|-----|------|----|-----|-----|-------|
| F = 196mm   |      |          |      |          |           |     |      |    |     |     |       |
| Part Number | OD   | PD       | Type | Bush No. | Max. Bore | F   | G    | K  | L   | H   | Wt.   |
|             |      | SPB Belt |      |          |           |     |      |    |     |     |       |
| 10 SPB 224  | 231  | 224      | 3    | 3535     | 90        | 196 | 181  | 54 | 89  | -   | 20.5  |
| 10 SPB 236  | 243  | 236      | 3    | 3535     | 90        | 196 | 193  | 54 | 89  | -   | 22.6  |
| 10 SPB 250  | 257  | 250      | 3    | 3535     | 90        | 196 | 207  | 54 | 89  | -   | 26.6  |
| 10 SPB 280  | 287  | 280      | 3    | 3535     | 90        | 196 | 229  | 54 | 89  | 191 | 27.8  |
| 10 SPB 315  | 322  | 315      | 3    | 3535     | 90        | 196 | 265  | 54 | 89  | 191 | 28.8  |
| 10 SPB 335  | 342  | 335      | 7    | 4040     | 100       | 196 | 292  | 47 | 102 | 210 | 32.0  |
| 10 SPB 355  | 362  | 355      | 7    | 4040     | 100       | 196 | 310  | 47 | 102 | 210 | 33.5  |
| 10 SPB 400  | 407  | 400      | 7    | 4040     | 100       | 196 | 357  | 47 | 102 | 210 | 36.0  |
| 10 SPB 450  | 457  | 450      | 5    | 4545     | 110       | 196 | 407  | 41 | 115 | 240 | 47.0  |
| 10 SPB 500  | 507  | 500      | 5    | 4545     | 110       | 196 | 449  | 41 | 115 | 240 | 55.0  |
| 10 SPB 630  | 637  | 630      | 5    | 4545     | 110       | 196 | 587  | 41 | 115 | 240 | 66.0  |
| 10 SPB 710  | 717  | 710      | 5    | 4545     | 125       | 196 | 667  | 41 | 115 | 240 | 75.0  |
| 10 SPB 800  | 807  | 800      | 5    | 4545     | 125       | 196 | 757  | 41 | 115 | 240 | 96.0  |
| 10 SPB 900  | 907  | 900      | 5    | 5050     | 125       | 196 | 853  | 35 | 127 | 265 | 119.0 |
| 10 SPB 1000 | 1007 | 1000     | 5    | 5050     | 125       | 196 | 954  | 35 | 127 | 265 | 141.0 |
| 10 SPB 1120 | 1127 | 1120     | 5    | 5050     | 125       | 196 | 1077 | 35 | 127 | 265 | 200.0 |
| 10 SPB 1250 | 1257 | 1250     | 5    | 5050     | 125       | 196 | 1203 | 35 | 127 | 265 | 265.0 |

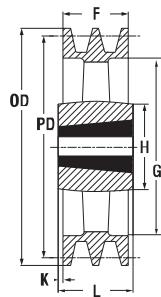
NOTE: Dimensions in millimeters, weight in kilograms. Weights do not include bushings.

# SPC Taper Bushed Pulley

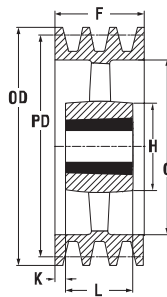
*Martin*



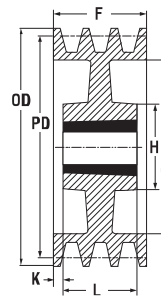
Type 3



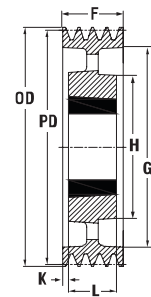
Type 4



Type 5



Type 7

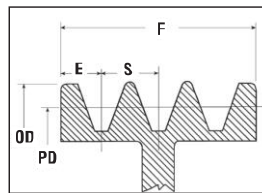


Type 11

## Pulley Groove Dimensions (ISO Standard)

| Belt Section | E  | S    | OD     |
|--------------|----|------|--------|
| SPC          | 17 | 25.5 | PD +10 |

Dimensions in millimeters.  
 $F = S(N-1) + 2E$   
 N = No. of Grooves



$F = S(N-1) + 2E$   
 N = No. of Grooves  
 SPZ Taper Bushed Pulley

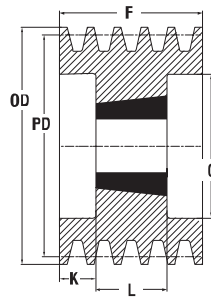
| 3 Groove<br>F = 85mm |      |                   |      |             |              |    |      |    |     |     |     |       |
|----------------------|------|-------------------|------|-------------|--------------|----|------|----|-----|-----|-----|-------|
| Part Number          | OD   | PD<br>SPC<br>Belt | Type | Bush<br>No. | Max.<br>Bore | F  | G    | K  | L   | H   |     | Wt.   |
| 3 SPC 200            | 210  | 200               | 3    | 2517        | 60           | 85 | 144  | 20 | 45  | -   |     | 10.2  |
| 3 SPC 212            | 222  | 212               | 3    | 3020        | 75           | 85 | 156  | 17 | 51  | -   |     | 11.2  |
| 3 SPC 224            | 234  | 224               | 3    | 3020        | 75           | 85 | 168  | 17 | 51  | -   |     | 12.7  |
| 3 SPC 236            | 246  | 236               | 3    | 3020        | 75           | 85 | 180  | 17 | 51  | -   |     | 14.4  |
| 3 SPC 250            | 260  | 250               | 3    | 3020        | 75           | 85 | 194  | 17 | 51  | -   |     | 16.5  |
| 3 SPC 265            | 275  | 265               | 3    | 3525        | 100          | 85 | 209  | 10 | 65  | -   |     | 19.7  |
| 3 SPC 280            | 290  | 280               | 3    | 3525        | 100          | 85 | 224  | 10 | 65  | -   |     | 22.7  |
| 3 SPC 300            | 310  | 300               | 11   | 3525        | 100          | 85 | 244  | 10 | 65  | 175 | 175 |       |
| 3 SPC 315            | 325  | 315               | 11   | 3525        | 100          | 85 | 259  | 10 | 65  | 175 | 175 | 18.3  |
| 3 SPC 335            | 345  | 335               | 11   | 3525        | 100          | 85 | 279  | 10 | 65  | 175 | 175 | 20.0  |
| 3 SPC 355            | 365  | 355               | 11   | 3525        | 100          | 85 | 299  | 10 | 65  | 175 | 175 | 21.3  |
| 3 SPC 375            | 385  | 375               | 11   | 3525        | 100          | 85 | 319  | 10 | 65  | 175 | 175 | 22.5  |
| 3 SPC 400            | 410  | 400               | 11   | 3525        | 100          | 85 | 344  | 10 | 65  | 175 | 175 | 24.1  |
| 3 SPC 425            | 435  | 425               | 5    | 3525        | 100          | 85 | 369  | 10 | 65  | 191 | 191 | 32.8  |
| 3 SPC 450            | 460  | 450               | 5    | 3525        | 100          | 85 | 394  | 10 | 65  | 191 | 191 | 34.7  |
| 3 SPC 475            | 485  | 475               | 5    | 3525        | 100          | 85 | 419  | 10 | 65  | 191 | 191 | 36.5  |
| 3 SPC 500            | 510  | 500               | 5    | 3525        | 100          | 85 | 444  | 10 | 65  | 191 | 191 | 40.0  |
| 3 SPC 530            | 540  | 530               | 5    | 3525        | 100          | 85 | 474  | 10 | 65  | 191 | 191 | 42.5  |
| 3 SPC 560            | 570  | 560               | 5    | 3525        | 100          | 85 | 504  | 10 | 65  | 191 | 191 | 45.9  |
| 3 SPC 630            | 640  | 630               | 5    | 4030        | 115          | 85 | 574  | 5  | 76  | 215 | 215 | 76.3  |
| 3 SPC 710            | 720  | 710               | 5    | 4030        | 115          | 85 | 654  | 5  | 76  | 215 | 215 | 81.6  |
| 3 SPC 800            | 810  | 800               | 4    | 4535        | 125          | 85 | 744  | 2  | 89  | 240 | 240 | 87.0  |
| 3 SPC 900            | 910  | 900               | 4    | 4535        | 125          | 85 | 840  | 2  | 89  | 240 | 240 | 103.5 |
| 3 SPC 1000           | 1010 | 1000              | 4    | 5040        | 125          | 85 | 940  | 9  | 102 | 265 | 265 | 120.0 |
| 3 SPC 1120           | 1130 | 1120              | 4    | 5040        | 125          | 85 | 1060 | 9  | 102 | 265 | 265 | 147.5 |
| 3 SPC 1250           | 1260 | 1250              | 4    | 5040        | 125          | 85 | 1190 | 9  | 102 | 265 | 265 | 175.0 |

| 4 Groove<br>F = 111mm |      |                   |      |             |              |     |      |    |     |     |     |       |
|-----------------------|------|-------------------|------|-------------|--------------|-----|------|----|-----|-----|-----|-------|
| Part Number           | OD   | PD<br>SPC<br>Belt | Type | Bush<br>No. | Max.<br>Bore | F   | G    | K  | L   | H   |     | Wt.   |
| 4 SPC 200             | 210  | 200               | 3    | 3020        | 75           | 111 | 144  | 30 | 51  | -   |     | 11.3  |
| 4 SPC 212             | 222  | 212               | 3    | 3020        | 75           | 111 | 156  | 30 | 51  | -   |     | 13.0  |
| 4 SPC 224             | 234  | 224               | 3    | 3525        | 100          | 111 | 168  | 23 | 65  | -   |     | 14.5  |
| 4 SPC 236             | 246  | 236               | 3    | 3525        | 100          | 111 | 180  | 23 | 65  | -   |     | 16.7  |
| 4 SPC 250             | 260  | 250               | 3    | 3525        | 100          | 111 | 194  | 23 | 65  | -   |     | 19.3  |
| 4 SPC 265             | 275  | 265               | 3    | 3525        | 100          | 111 | 209  | 23 | 65  | -   |     | 22.4  |
| 4 SPC 280             | 290  | 280               | 3    | 3525        | 100          | 111 | 224  | 23 | 65  | -   |     | 25.4  |
| 4 SPC 300             | 310  | 300               | 11   | 3525        | 100          | 111 | 244  | 23 | 65  | 175 | 175 | 20.9  |
| 4 SPC 315             | 325  | 315               | 11   | 3525        | 100          | 111 | 259  | 23 | 65  | 175 | 175 | 22.0  |
| 4 SPC 335             | 345  | 335               | 11   | 3525        | 100          | 111 | 279  | 23 | 65  | 175 | 175 | 24.0  |
| 4 SPC 355             | 365  | 355               | 11   | 3525        | 100          | 111 | 299  | 23 | 65  | 175 | 175 | 25.7  |
| 4 SPC 375             | 385  | 375               | 11   | 3525        | 100          | 111 | 319  | 23 | 65  | 175 | 175 | 27.3  |
| 4 SPC 400             | 410  | 400               | 11   | 3525        | 100          | 111 | 344  | 23 | 65  | 175 | 175 | 29.3  |
| 4 SPC 425             | 435  | 425               | 5    | 3525        | 100          | 111 | 369  | 23 | 65  | 191 | 191 | 38.0  |
| 4 SPC 450             | 460  | 450               | 5    | 3525        | 100          | 111 | 394  | 23 | 65  | 191 | 191 | 41.3  |
| 4 SPC 475             | 485  | 475               | 5    | 3525        | 100          | 111 | 419  | 23 | 65  | 191 | 191 | 43.7  |
| 4 SPC 500             | 510  | 500               | 5    | 3525        | 100          | 111 | 444  | 23 | 65  | 191 | 191 | 46.0  |
| 4 SPC 530             | 540  | 530               | 5    | 3525        | 100          | 111 | 474  | 23 | 65  | 191 | 191 | 52.0  |
| 4 SPC 560             | 570  | 560               | 5    | 3525        | 100          | 111 | 504  | 23 | 65  | 191 | 191 | 58.0  |
| 4 SPC 630             | 640  | 630               | 5    | 4030        | 115          | 111 | 574  | 18 | 76  | 215 | 215 | 63.8  |
| 4 SPC 710             | 720  | 710               | 5    | 4535        | 125          | 111 | 654  | 11 | 89  | 240 | 240 | 83.2  |
| 4 SPC 800             | 810  | 800               | 5    | 5040        | 125          | 111 | 744  | 4  | 102 | 265 | 265 | 102.5 |
| 4 SPC 900             | 910  | 900               | 5    | 5040        | 125          | 111 | 840  | 4  | 102 | 265 | 265 | 116.3 |
| 4 SPC 1000            | 1010 | 1000              | 5    | 5040        | 125          | 111 | 940  | 4  | 102 | 265 | 265 | 130.0 |
| 4 SPC 1120            | 1130 | 1120              | 5    | 5040        | 125          | 111 | 1060 | 4  | 102 | 265 | 265 | 158.0 |
| 4 SPC 1250            | 1260 | 1250              | 5    | 5040        | 125          | 111 | 1190 | 4  | 102 | 265 | 265 | 186.0 |

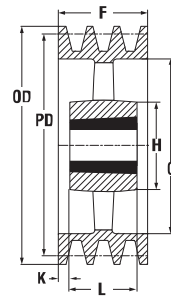
NOTE: Dimensions in millimeters, weight in kilograms. Weights do not include bushings.



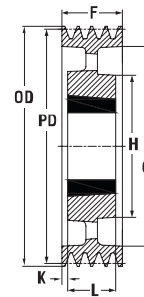
# Taper Bushed Pulley SPC



Type 3



Type 5



Type 11

Let *Martin* quote your made to order and large quantity requirements



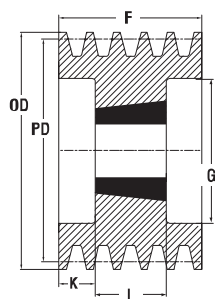
| 5 Groove    |      |          |      |          |           |     |      |    |     |     |       |
|-------------|------|----------|------|----------|-----------|-----|------|----|-----|-----|-------|
| F = 136mm   |      |          |      |          |           |     |      |    |     |     |       |
| Part Number | OD   | PD       | Type | Bush No. | Max. Bore | F   | G    | K  | L   | H   | Wt.   |
|             |      | SPC Belt |      |          |           |     |      |    |     |     |       |
| 5 SPC 200   | 210  | 200      | 3    | 3525     | 100       | 136 | 145  | 36 | 65  | -   | 12.2  |
| 5 SPC 212   | 222  | 212      | 3    | 3525     | 100       | 136 | 156  | 36 | 65  | -   | 14.5  |
| 5 SPC 224   | 234  | 224      | 3    | 3525     | 100       | 136 | 168  | 36 | 65  | -   | 16.6  |
| 5 SPC 236   | 246  | 236      | 3    | 3525     | 100       | 136 | 180  | 36 | 65  | -   | 18.9  |
| 5 SPC 250   | 260  | 250      | 3    | 3525     | 100       | 136 | 194  | 36 | 65  | -   | 21.5  |
| 5 SPC 265   | 275  | 265      | 3    | 3525     | 100       | 136 | 209  | 36 | 65  | -   | 25.0  |
| 5 SPC 280   | 290  | 280      | 3    | 3525     | 100       | 136 | 224  | 36 | 65  | -   | 28.4  |
| 5 SPC 300   | 310  | 300      | 11   | 3525     | 100       | 136 | 244  | 36 | 65  | 175 | 24.7  |
| 5 SPC 315   | 325  | 315      | 11   | 3525     | 100       | 136 | 259  | 36 | 65  | 175 | 26    |
| 5 SPC 335   | 345  | 335      | 11   | 3525     | 100       | 136 | 279  | 36 | 65  | 175 | 28.2  |
| 5 SPC 355   | 365  | 355      | 11   | 3525     | 100       | 136 | 299  | 36 | 65  | 175 | 30.1  |
| 5 SPC 375   | 385  | 375      | 11   | 3525     | 100       | 136 | 319  | 36 | 65  | 175 | 32.3  |
| 5 SPC 400   | 410  | 400      | 11   | 3525     | 100       | 136 | 344  | 36 | 65  | 175 | 34.7  |
| 5 SPC 425   | 435  | 425      | 5    | 3525     | 100       | 136 | 369  | 36 | 65  | 191 | 42.5  |
| 5 SPC 450   | 460  | 450      | 5    | 3525     | 100       | 136 | 394  | 36 | 65  | 191 | 44.3  |
| 5 SPC 475   | 485  | 475      | 5    | 3525     | 100       | 136 | 419  | 36 | 65  | 191 | 48.5  |
| 5 SPC 500   | 510  | 500      | 5    | 3525     | 100       | 136 | 444  | 36 | 65  | 191 | 51.0  |
| 5 SPC 530   | 540  | 530      | 5    | 4535     | 125       | 136 | 474  | 24 | 89  | 240 | 66.0  |
| 5 SPC 560   | 570  | 560      | 5    | 4535     | 125       | 136 | 504  | 24 | 89  | 240 | 66.7  |
| 5 SPC 630   | 640  | 630      | 5    | 4535     | 125       | 136 | 574  | 24 | 89  | 240 | 73.0  |
| 5 SPC 710   | 720  | 710      | 5    | 5040     | 125       | 136 | 654  | 17 | 102 | 265 | 93.0  |
| 5 SPC 800   | 810  | 800      | 5    | 5040     | 125       | 136 | 744  | 17 | 102 | 265 | 119.0 |
| 5 SPC 900   | 910  | 900      | 5    | 5040     | 125       | 136 | 840  | 17 | 102 | 265 | 133.0 |
| 5 SPC 1000  | 1010 | 1000     | 5    | 5040     | 125       | 136 | 940  | 17 | 102 | 265 | 147.0 |
| 5 SPC 1120  | 1130 | 1120     | 5    | 5040     | 125       | 136 | 1060 | 17 | 102 | 265 | 178.5 |
| 5 SPC 1250  | 1260 | 1250     | 5    | 5040     | 125       | 136 | 1190 | 17 | 102 | 265 | 210.0 |

| 6 Groove    |      |          |      |          |           |     |      |    |     |     |       |
|-------------|------|----------|------|----------|-----------|-----|------|----|-----|-----|-------|
| F = 162mm   |      |          |      |          |           |     |      |    |     |     |       |
| Part Number | OD   | PD       | Type | Bush No. | Max. Bore | F   | G    | K  | L   | H   | Wt.   |
|             |      | SPC Belt |      |          |           |     |      |    |     |     |       |
| 6 SPC 200   | 210  | 200      | 3    | 3525     | 100       | 162 | 144  | 48 | 65  | -   | 14.1  |
| 6 SPC 212   | 222  | 212      | 3    | 3525     | 100       | 162 | 156  | 48 | 65  | -   | 16.5  |
| 6 SPC 224   | 234  | 224      | 3    | 3525     | 100       | 162 | 168  | 48 | 65  | -   | 18.9  |
| 6 SPC 236   | 246  | 236      | 3    | 3525     | 100       | 162 | 180  | 48 | 65  | -   | 21.3  |
| 6 SPC 250   | 260  | 250      | 3    | 3525     | 100       | 162 | 194  | 48 | 65  | -   | 29.0  |
| 6 SPC 265   | 275  | 265      | 3    | 3525     | 100       | 162 | 209  | 48 | 65  | -   | 30.3  |
| 6 SPC 280   | 290  | 280      | 3    | 3525     | 100       | 162 | 224  | 48 | 65  | -   | 31.5  |
| 6 SPC 300   | 310  | 300      | 11   | 3525     | 100       | 162 | 244  | 48 | 65  | 175 | 28.3  |
| 6 SPC 315   | 325  | 315      | 11   | 3525     | 100       | 162 | 259  | 48 | 65  | 175 | 30.8  |
| 6 SPC 335   | 345  | 335      | 11   | 3525     | 100       | 162 | 279  | 48 | 65  | 175 | 32.7  |
| 6 SPC 355   | 365  | 355      | 11   | 3525     | 100       | 162 | 299  | 48 | 65  | 175 | 35.1  |
| 6 SPC 375   | 385  | 375      | 11   | 3525     | 100       | 162 | 319  | 48 | 65  | 175 | 37.3  |
| 6 SPC 400   | 410  | 400      | 11   | 3525     | 100       | 162 | 344  | 48 | 65  | 175 | 40.1  |
| 6 SPC 425   | 435  | 425      | 5    | 4535     | 125       | 162 | 369  | 36 | 89  | 240 | 51.0  |
| 6 SPC 450   | 460  | 450      | 5    | 4535     | 125       | 162 | 394  | 36 | 89  | 240 | 57.5  |
| 6 SPC 475   | 485  | 475      | 5    | 4535     | 125       | 162 | 419  | 36 | 89  | 240 | 62.0  |
| 6 SPC 500   | 510  | 500      | 5    | 4535     | 125       | 162 | 444  | 36 | 89  | 240 | 67.0  |
| 6 SPC 530   | 540  | 530      | 5    | 4535     | 125       | 162 | 474  | 36 | 89  | 240 | 74.5  |
| 6 SPC 560   | 570  | 560      | 5    | 4535     | 125       | 162 | 504  | 36 | 89  | 240 | 77.5  |
| 6 SPC 630   | 640  | 630      | 5    | 4535     | 125       | 162 | 574  | 36 | 89  | 240 | 88.5  |
| 6 SPC 710   | 720  | 710      | 5    | 5040     | 125       | 162 | 654  | 30 | 102 | 265 | 107.3 |
| 6 SPC 800   | 810  | 800      | 5    | 5040     | 125       | 162 | 744  | 30 | 102 | 265 | 126.0 |
| 6 SPC 900   | 910  | 900      | 5    | 5040     | 125       | 162 | 840  | 30 | 102 | 265 | 155.5 |
| 6 SPC 1000  | 1010 | 1000     | 5    | 5040     | 125       | 162 | 940  | 30 | 102 | 265 | 185.0 |
| 6 SPC 1120  | 1130 | 1120     | 5    | 5040     | 125       | 162 | 1060 | 30 | 102 | 265 | 221.5 |
| 6 SPC 1250  | 1260 | 1250     | 5    | 5040     | 125       | 162 | 1190 | 30 | 102 | 265 | 258.0 |

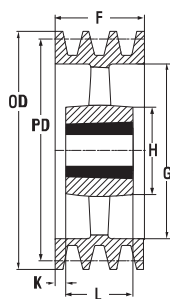
NOTE: Dimensions in millimeters, weight in kilograms. Weights do not include bushings.

# SPC Taper Bushed Pulley

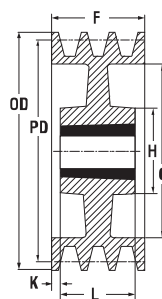
*Martin*



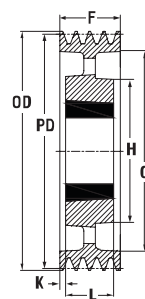
Type 3



Type 5



Type 7



Type 11

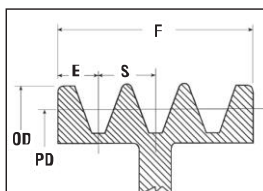
## Pulley Groove Dimensions (ISO Standard)

| Belt Section | E  | S    | OD     |
|--------------|----|------|--------|
| SPC          | 17 | 25.5 | PD +10 |

Dimensions in millimeters.

$F = S(N-1) + 2E$

N = No. of Grooves



$F = S(N-1) + 2E$   
N = No. of Grooves  
SPZ Taper Bushed Pulley

| 8 Groove<br>F = 213mm |      |                   |      |             |              |     |      |    |     |     |       |  |
|-----------------------|------|-------------------|------|-------------|--------------|-----|------|----|-----|-----|-------|--|
| Part Number           | OD   | PD<br>SPC<br>Belt | Type | Bush<br>No. | Max.<br>Bore | F   | G    | K  | L   | H   | Wt.   |  |
| 8 SPC 200             | 210  | 200               | 3    | 3525        | 100          | 213 | 144  | 74 | 65  | -   | 20.0  |  |
| 8 SPC 212             | 222  | 212               | 3    | 3525        | 100          | 213 | 156  | 74 | 65  | -   | 21.3  |  |
| 8 SPC 224             | 234  | 224               | 3    | 3525        | 100          | 213 | 168  | 74 | 65  | -   | 22.9  |  |
| 8 SPC 236             | 246  | 236               | 3    | 3525        | 100          | 213 | 180  | 74 | 65  | -   | 25.9  |  |
| 8 SPC 250             | 260  | 250               | 3    | 3525        | 100          | 213 | 194  | 74 | 65  | -   | 29.0  |  |
| 8 SPC 265             | 275  | 265               | 3    | 3525        | 100          | 213 | 209  | 74 | 65  | -   | 32.5  |  |
| 8 SPC 280             | 290  | 280               | 3    | 3525        | 100          | 213 | 224  | 74 | 65  | -   | 36.1  |  |
| 8 SPC 300             | 310  | 300               | 7    | 3525        | 100          | 213 | 244  | 74 | 65  | 191 | 37.1  |  |
| 8 SPC 315             | 325  | 315               | 11   | 3525        | 100          | 213 | 259  | 74 | 65  | 175 | 37.8  |  |
| 8 SPC 335             | 345  | 335               | 11   | 3525        | 100          | 213 | 279  | 74 | 65  | 175 | 41.5  |  |
| 8 SPC 355             | 365  | 355               | 11   | 3525        | 100          | 213 | 299  | 74 | 65  | 175 | 44.5  |  |
| 8 SPC 375             | 385  | 375               | 11   | 4030        | 115          | 213 | 319  | 69 | 76  | 205 | 50.9  |  |
| 8 SPC 400             | 410  | 400               | 11   | 4030        | 115          | 213 | 344  | 69 | 76  | 205 | 54.7  |  |
| 8 SPC 425             | 435  | 425               | 5    | 4535        | 125          | 213 | 369  | 62 | 89  | 240 | 63.5  |  |
| 8 SPC 450             | 460  | 450               | 5    | 4535        | 125          | 213 | 394  | 62 | 89  | 240 | 70.0  |  |
| 8 SPC 475             | 485  | 475               | 5    | 4535        | 125          | 213 | 419  | 62 | 89  | 240 | 72.0  |  |
| 8 SPC 500             | 510  | 500               | 5    | 4535        | 125          | 213 | 444  | 62 | 89  | 240 | 82.5  |  |
| 8 SPC 530             | 540  | 530               | 5    | 4535        | 125          | 213 | 474  | 62 | 89  | 240 | 82.5  |  |
| 8 SPC 560             | 570  | 560               | 5    | 4535        | 125          | 213 | 504  | 62 | 89  | 240 | 94.5  |  |
| 8 SPC 630             | 640  | 630               | 5    | 4535        | 125          | 213 | 574  | 62 | 89  | 240 | 102.0 |  |
| 8 SPC 710             | 720  | 710               | 5    | 5040        | 125          | 213 | 654  | 56 | 102 | 265 | 123.5 |  |
| 8 SPC 800             | 810  | 800               | 5    | 5040        | 125          | 213 | 744  | 56 | 102 | 265 | 145.0 |  |
| 8 SPC 900             | 910  | 900               | 5    | 5040        | 125          | 213 | 840  | 56 | 102 | 265 | 176.0 |  |
| 8 SPC 1000            | 1010 | 1000              | 5    | 5040        | 125          | 213 | 940  | 56 | 102 | 265 | 207.0 |  |
| 8 SPC 1120            | 1130 | 1120              | 5    | 5040        | 125          | 213 | 1060 | 56 | 102 | 265 | 246.0 |  |
| 8 SPC 1250            | 1260 | 1250              | 5    | 5040        | 125          | 213 | 1190 | 56 | 102 | 265 | 285.0 |  |

| 10 Groove<br>F = 264mm |      |                   |      |             |              |     |      |    |     |     |       |  |
|------------------------|------|-------------------|------|-------------|--------------|-----|------|----|-----|-----|-------|--|
| Part Number            | OD   | PD<br>SPC<br>Belt | Type | Bush<br>No. | Max.<br>Bore | F   | G    | K  | L   | H   | Wt.   |  |
| 10 SPC 224             | 234  | 224               | 3    | 4040        | 115          | 264 | 168  | 81 | 102 | -   | 28.0  |  |
| 10 SPC 236             | 246  | 236               | 3    | 4040        | 115          | 264 | 180  | 81 | 102 | -   | 30.9  |  |
| 10 SPC 250             | 260  | 250               | 3    | 4040        | 115          | 264 | 194  | 81 | 102 | -   | 35.0  |  |
| 10 SPC 265             | 275  | 265               | 3    | 4040        | 115          | 264 | 209  | 81 | 102 | -   | 39.5  |  |
| 10 SPC 280             | 290  | 280               | 3    | 4040        | 115          | 264 | 224  | 81 | 102 | -   | 42.1  |  |
| 10 SPC 300             | 310  | 300               | 3    | 4040        | 115          | 264 | 244  | 81 | 102 | -   | 44.1  |  |
| 10 SPC 315             | 325  | 315               | 3    | 4545        | 125          | 264 | 259  | 75 | 114 | -   | 47.0  |  |
| 10 SPC 335             | 345  | 335               | 3    | 4545        | 125          | 264 | 279  | 75 | 114 | -   | 51.0  |  |
| 10 SPC 355             | 365  | 355               | 3    | 4545        | 125          | 264 | 299  | 75 | 114 | -   | 57.0  |  |
| 10 SPC 375             | 385  | 375               | 3    | 5050        | 125          | 264 | 319  | 69 | 127 | -   | 62.5  |  |
| 10 SPC 400             | 410  | 400               | 7    | 5050        | 125          | 264 | 344  | 69 | 127 | 265 | 66.0  |  |
| 10 SPC 425             | 435  | 425               | 7    | 5050        | 125          | 264 | 369  | 69 | 127 | 265 | 70.5  |  |
| 10 SPC 450             | 460  | 450               | 7    | 5050        | 125          | 264 | 394  | 69 | 127 | 265 | 78.0  |  |
| 10 SPC 475             | 485  | 475               | 7    | 5050        | 125          | 264 | 419  | 69 | 127 | 265 | 82.0  |  |
| 10 SPC 500             | 510  | 500               | 7    | 5050        | 125          | 264 | 444  | 69 | 127 | 265 | 95.5  |  |
| 10 SPC 530             | 540  | 530               | 7    | 5050        | 125          | 264 | 474  | 69 | 127 | 265 | 106.5 |  |
| 10 SPC 560             | 570  | 560               | 5    | 5050        | 125          | 264 | 504  | 69 | 127 | 265 | 94.7  |  |
| 10 SPC 630             | 640  | 630               | 5    | 5050        | 125          | 264 | 574  | 69 | 127 | 265 | 113.2 |  |
| 10 SPC 710             | 720  | 710               | 5    | 5050        | 125          | 264 | 647  | 69 | 127 | 265 | 133.5 |  |
| 10 SPC 800             | 810  | 800               | 5    | 5050        | 125          | 264 | 737  | 69 | 127 | 265 | 160.5 |  |
| 10 SPC 900             | 910  | 900               | 5    | 5050        | 125          | 264 | 840  | 69 | 127 | 265 | 190.5 |  |
| 10 SPC 1000            | 1010 | 1000              | 5    | 5050        | 125          | 264 | 937  | 69 | 127 | 265 | 227.5 |  |
| 10 SPC 1120            | 1130 | 1120              | 5    | 5050        | 125          | 264 | 1060 | 69 | 127 | 265 | 266.0 |  |
| 10 SPC 1250            | 1260 | 1250              | 5    | 5050        | 125          | 264 | 1187 | 69 | 127 | 265 | 300.0 |  |

NOTE: Dimensions in millimeters, weight in kilograms. Weights do not include bushings.



## Warning & Safety Reminder

### WARNING & SAFETY REMINDER

Safety must be considered a basic factor in machinery operation at all times. Most accidents are the result of carelessness or negligence. All rotating power transmission products are potentially dangerous and must be guarded by the contractor, installer, purchaser, owner, and user as required by applicable laws, regulations, standards, and good safety practice. Additional specific information must be obtained from other sources including the latest editions of American Society of Mechanical Engineers; Standard A.N.S.I. B15.1. A copy of this standard may be obtained from the American Society of Mechanical Engineers at 345 East 47th Street, New York, NY 10017 (212-705-7722).

It is the responsibility of the contractor, installer, purchaser, owner, and user to install, maintain, and operate the parts or components manufactured and supplied by *Martin* Sprocket & Gear, Inc., in such a manner as to comply with the Williams-Steiger Occupational Safety Act and with all state and local laws, ordinances, regulations, and the American National Standard Institute Safety Code.

### CAUTION

Guards, access doors, and covers must be securely fastened before operating any equipment.

If parts are to be inspected, cleaned, observed, or general maintenance performed, the motor driving the part or components is to be locked out electrically in such a manner that it cannot be started by anyone, however remote from the area. Failure to follow these instructions may result in personal injury or property damage.

### WARNING

#### NOTE: CATALOG DIMENSIONS

Every effort is made to keep all catalog dimensions and styles current in the catalog, however from time to time, it is necessary because of manufacturing changes to alter stock products dimensionally.

If any stock product dimension or style shown in this catalog is critical to your application please consult factory for certification.



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