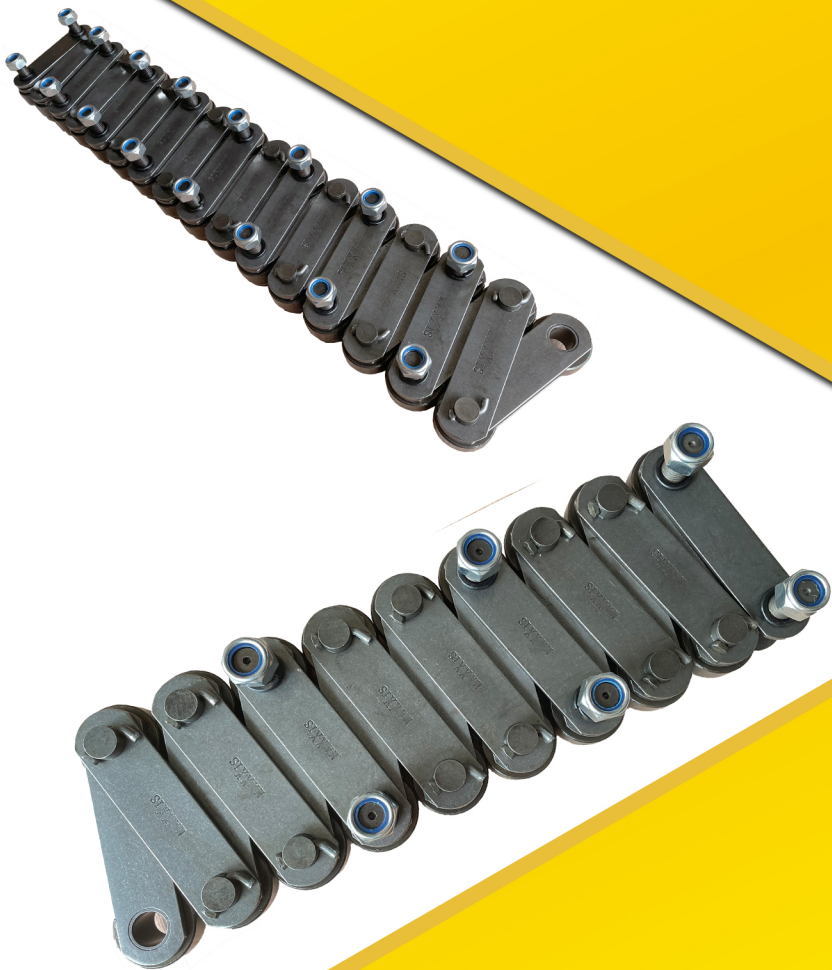


# PROMIS

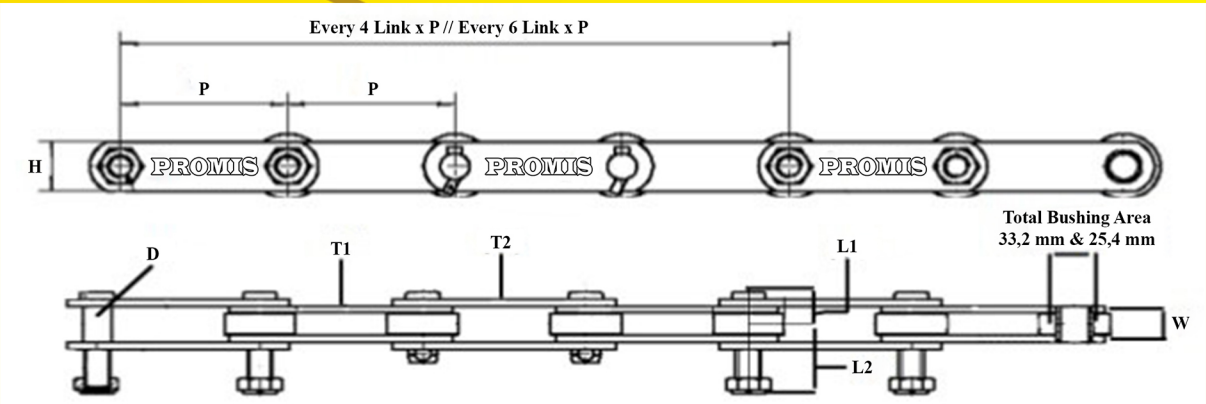
Conveyor Chain & Sprocket  
for Palm Oil Industries





# PROMIS Conveyor Chain & Sprocket

## Solid Extended Pin Type :



**PROMIS 117 EP ( 4 inch / 101,6 mm )**

**PROMIS 717 EP ( 6 inch / 152,4 mm )**

| Pitch<br>( P ) | Inner Width<br>( w ) | Roller<br>dia. ( R ) | Pin dia.<br>( D ) | L1   | L2   | Plate<br>Height ( H ) | Plate Thickness |     | Ultimate<br>Load ( Lbf ) | Pin<br>( D ) | Lock Nut | Weight<br>Kg / m |
|----------------|----------------------|----------------------|-------------------|------|------|-----------------------|-----------------|-----|--------------------------|--------------|----------|------------------|
|                |                      |                      |                   |      |      |                       | T1              | T2  |                          |              |          |                  |
| 101,6          | 19,0                 | 47,6                 | 19,0              | 24,1 | 57,7 | 38,1                  | 5,1             | 5,1 | 32.000                   | 36           | M 16     | 8,4              |
| 152,4          | 25,4                 | 66,7                 | 26,9              | 21,9 | 70,1 | 50,8                  | 7,1             | 5,1 | 60.000                   | 44           | M 24     | 12,8             |

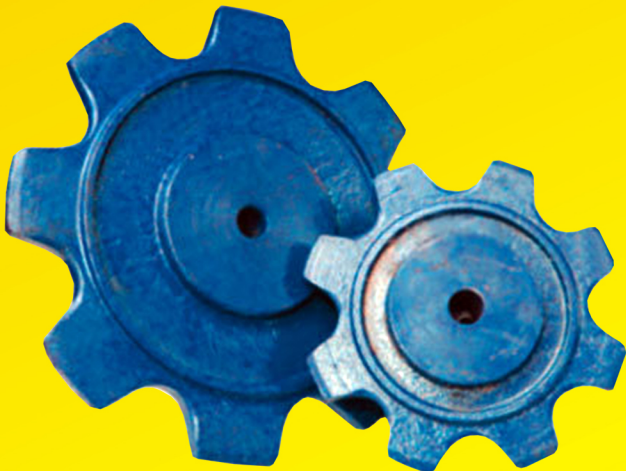
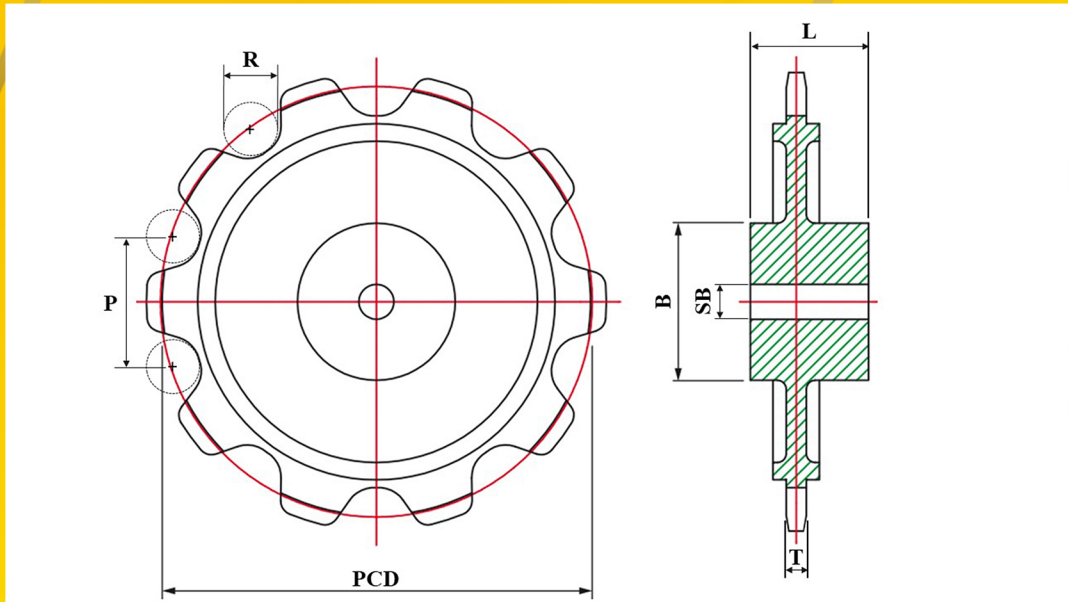
*\*Dimension in mm*



## PROMIS Sprocket Conveyor Chain Specification :

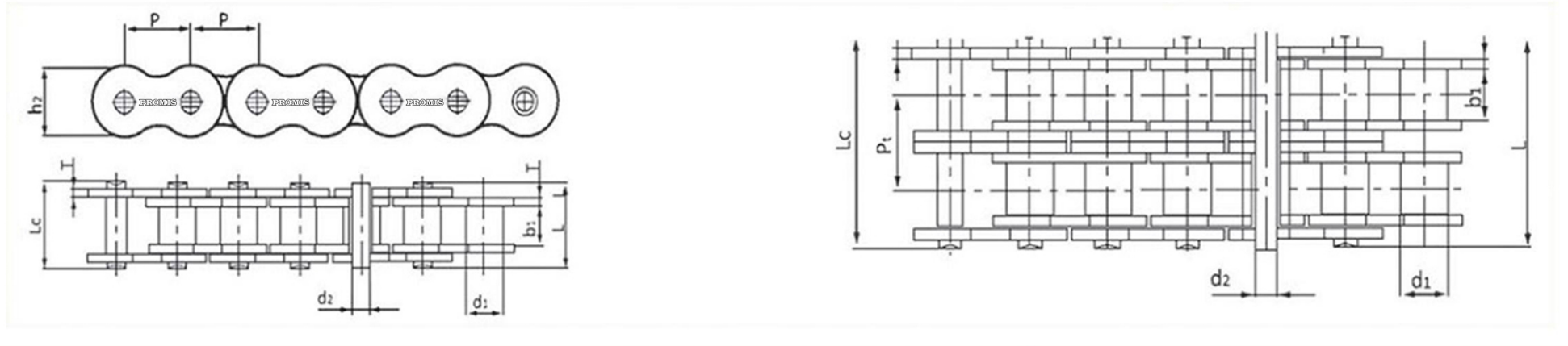
| Pitch ( P ) |       | Roller ( R )<br>dia. ( mm ) | Teeth | PCD<br>( mm ) | Shaft Bore ( SB )<br>Maximal ( mm ) | T<br>( mm ) | L<br>( mm ) | Bush ( B )<br>( mm ) | Weight<br>( Kg / Pcs ) |
|-------------|-------|-----------------------------|-------|---------------|-------------------------------------|-------------|-------------|----------------------|------------------------|
| Inchi       | mm    |                             |       |               |                                     |             |             |                      |                        |
| 4           | 101,6 | 47,6                        | 8     | 300           | 100                                 | 16          | 100         | 150                  | 15                     |
|             |       |                             | 10    | 360           |                                     |             |             |                      | 20                     |
|             |       |                             | 12    | 420           |                                     |             |             |                      | 25                     |
|             |       |                             | 16    | 555           |                                     |             |             |                      | 39                     |
| 6           | 152,4 | 66,7                        | 8     | 420           | 150                                 | 22          | 122         | 200                  | 46                     |
|             |       |                             | 10    | 543           |                                     |             |             |                      | 58                     |
|             |       |                             | 12    | 638           |                                     |             |             |                      | 76                     |
|             |       |                             | 16    | 830           |                                     |             |             |                      | 120                    |
|             |       |                             | 18    | 930           |                                     |             |             |                      | 130                    |
|             |       |                             | 21    | 1070          |                                     |             |             |                      | 140                    |

*\*Dimension in mm*





PROMIS Transmission Chain Specification :



| ANSI Chain No. | BSI/ ISO Chain No. | PITCH P | Roller Diameter d1 max | Width inner plate b1 max | Pin diameter d2 max | Pin Length L max | Lc max | Cottered Pin Length Lc max | Inner Plate Height h2 max | Plate Thick T max | Transverse Pitch Pt | Ultimate Tensile Strength Q min | Average Tensile Strength Q | Weight per Meter q |
|----------------|--------------------|---------|------------------------|--------------------------|---------------------|------------------|--------|----------------------------|---------------------------|-------------------|---------------------|---------------------------------|----------------------------|--------------------|
| -              | -                  | mm      | mm                     | mm                       | mm                  | mm               | mm     | mm                         | mm                        | mm                | mm                  | kN                              | kN                         | kg / m             |
| 15-1*          | 03C*               | 4,7625  | 2,48                   | 2,38                     | 1,62                | 6,10             | 6,90   | -                          | 4,30                      | 0,60              | -                   | 1,8                             | 2,0                        | 0,08               |
| 25-1*          | 04C-1*             | 6,350   | 3,30                   | 3,18                     | 2,31                | 7,90             | 8,40   | -                          | 6,00                      | 0,80              | -                   | 3,5                             | 4,6                        | 0,15               |
| 35-1*          | 06C-1*             | 9,525   | 5,08                   | 4,77                     | 3,58                | 12,40            | 13,17  | -                          | 9,00                      | 1,30              | -                   | 7,9                             | 10,8                       | 0,33               |
| 41-1           | 085-1              | 12,700  | 7,77                   | 6,25                     | 3,58                | 13,75            | 15,00  | -                          | 9,91                      | 1,30              | -                   | 6,7                             | 12,6                       | 0,14               |
| 40-1           | 08A-1              | 12,700  | 7,95                   | 7,85                     | 3,96                | 16,60            | 17,80  | -                          | 12,00                     | 1,50              | -                   | 14,1                            | 17,5                       | 0,62               |
| 50-1           | 10A-1              | 15,875  | 10,16                  | 9,40                     | 5,08                | 20,70            | 22,20  | 23,30                      | 15,09                     | 2,03              | -                   | 22,2                            | 29,4                       | 1,02               |
| 60-1           | 12A-1              | 19,050  | 11,91                  | 12,57                    | 5,94                | 25,90            | 27,70  | 28,30                      | 18,00                     | 2,42              | -                   | 31,8                            | 41,5                       | 1,50               |
| 80-1           | 16A-1              | 25,400  | 15,88                  | 15,75                    | 7,92                | 32,70            | 35,00  | 36,50                      | 24,00                     | 3,25              | -                   | 56,7                            | 69,4                       | 2,60               |
| 100-1          | 20A-1              | 31,750  | 19,05                  | 18,90                    | 9,53                | 40,40            | 44,70  | 44,70                      | 30,00                     | 4,00              | -                   | 88,5                            | 109,2                      | 3,91               |
| 120-1          | 24A-1              | 38,100  | 22,23                  | 25,22                    | 11,10               | 50,30            | 54,30  | 54,30                      | 35,70                     | 4,80              | -                   | 127,0                           | 156,3                      | 5,62               |
| 140-1          | 28A-1              | 44,450  | 25,40                  | 25,22                    | 12,70               | 54,40            | 59,00  | 59,00                      | 41,00                     | 5,60              | -                   | 172,4                           | 212,0                      | 7,50               |
| 160-1          | 32A-1              | 50,800  | 28,58                  | 31,55                    | 14,27               | 64,80            | 69,60  | 69,60                      | 47,80                     | 6,40              | -                   | 226,8                           | 278,9                      | 10,10              |
| 180-1          | 36A-1              | 57,150  | 35,71                  | 35,48                    | 17,46               | 72,80            | 78,60  | 78,60                      | 53,60                     | 7,20              | -                   | 280,2                           | 341,8                      | 13,45              |
| 200-1          | 40A-1              | 63,500  | 39,68                  | 37,85                    | 19,85               | 80,30            | 87,20  | 87,20                      | 60,00                     | 8,00              | -                   | 353,8                           | 431,6                      | 16,15              |
| 240-1          | 48A-1              | 76,200  | 47,63                  | 47,35                    | 23,81               | 95,50            | 103,00 | 103,00                     | 72,39                     | 9,50              | -                   | 510,3                           | 622,5                      | 23,20              |
| 25-2*          | 04C-2*             | 6,350   | 3,30                   | 3,18                     | 2,31                | 14,5             | 15,0   | -                          | 6,00                      | 0,80              | 6,40                | 7,0                             | 8,6                        | 0,28               |
| 35-2*          | 06C-2*             | 9,525   | 5,08                   | 4,77                     | 3,58                | 22,5             | 23,3   | -                          | 9,00                      | 1,30              | 10,13               | 15,8                            | 19,7                       | 0,63               |
| 41-2           | 085-2              | 12,700  | 7,77                   | 6,25                     | 3,58                | 25,7             | 26,9   | -                          | 9,91                      | 1,30              | 11,95               | 13,3                            | 16,9                       | 0,81               |
| 40-2           | 08A-2              | 12,700  | 7,95                   | 7,85                     | 3,96                | 31,0             | 32,2   | -                          | 12,00                     | 1,50              | 14,38               | 28,2                            | 35,9                       | 1,12               |
| 50-2           | 10A-2              | 15,875  | 10,16                  | 9,40                     | 5,08                | 38,9             | 40,4   | 41,2                       | 15,09                     | 2,03              | 18,11               | 44,4                            | 58,1                       | 2,00               |
| 60-2           | 12A-2              | 19,050  | 11,91                  | 12,57                    | 5,94                | 48,8             | 50,5   | 51,1                       | 18,00                     | 2,42              | 22,78               | 63,6                            | 82,1                       | 2,92               |
| 80-2           | 16A-2              | 25,400  | 15,88                  | 15,75                    | 7,92                | 62,7             | 64,3   | 65,8                       | 24,00                     | 3,25              | 29,29               | 113,4                           | 141,8                      | 5,15               |
| 100-2          | 20A-2              | 31,750  | 19,05                  | 18,90                    | 9,53                | 76,4             | 80,5   | 80,5                       | 30,00                     | 4,00              | 35,76               | 177,0                           | 219,4                      | 7,80               |
| 120-2          | 24A-2              | 38,100  | 22,23                  | 25,22                    | 11,10               | 95,8             | 99,7   | 99,7                       | 35,70                     | 4,80              | 45,44               | 254,0                           | 314,9                      | 11,70              |
| 140-2          | 28A-2              | 44,450  | 25,40                  | 25,22                    | 12,70               | 103,3            | 107,9  | 107,9                      | 41,00                     | 5,60              | 48,87               | 344,8                           | 427,5                      | 15,14              |
| 160-2          | 32A-2              | 50,800  | 28,58                  | 31,55                    | 14,27               | 123,3            | 128,1  | 128,1                      | 47,80                     | 6,40              | 58,55               | 453,6                           | 562,4                      | 20,14              |
| 180-2          | 36A-2              | 57,150  | 35,71                  | 35,48                    | 17,46               | 138,6            | 144,4  | 144,4                      | 53,60                     | 7,20              | 65,84               | 560,5                           | 695,0                      | 29,22              |
| 200-2          | 40A-2              | 63,500  | 39,68                  | 37,85                    | 19,85               | 151,9            | 158,8  | 158,8                      | 60,00                     | 8,00              | 71,55               | 707,6                           | 877,4                      | 32,24              |
| 240-2          | 48A-2              | 76,200  | 47,63                  | 47,35                    | 23,81               | 183,4            | 190,8  | 190,8                      | 72,39                     | 9,50              | 87,83               | 1020,6                          | 1255,3                     | 45,23              |
| 25-3*          | 04C-2*             | 6,350   | 3,30                   | 3,18                     | 2,31                | 21,0             | 21,5   | -                          | 6,00                      | 0,80              | 6,40                | 10,5                            | 12,6                       | 0,44               |
| 35-3*          | 06C-3*             | 9,525   | 5,08                   | 4,77                     | 3,58                | 32,7             | 33,5   | -                          | 9,00                      | 1,30              | 10,13               | 23,7                            | 28,6                       | 1,05               |
| 40-3           | 08A-3              | 12,700  | 7,95                   | 6,25                     | 3,96                | 45,4             | 46,6   | -                          | 12,00                     | 1,50              | 14,38               | 42,3                            | 50,0                       | 1,90               |
| 50-3           | 10A-3              | 15,875  | 10,16                  | 7,85                     | 5,08                | 57,0             | 58,5   | 59,3                       | 15,09                     | 2,03              | 18,11               | 66,6                            | 77,8                       | 3,09               |
| 60-3           | 12A-3              | 19,050  | 11,91                  | 9,40                     | 5,94                | 71,5             | 73,3   | 73,9                       | 18,00                     | 2,42              | 22,78               | 95,4                            | 111,1                      | 4,54               |
| 80-3           | 16A-3              | 25,400  | 15,88                  | 12,57                    | 7,92                | 91,7             | 93,6   | 95,1                       | 24,00                     | 3,25              | 29,29               | 170,1                           | 198,4                      | 7,89               |
| 100-3          | 20A-3              | 31,750  | 19,05                  | 15,75                    | 9,53                | 112,2            | 116,3  | 116,3                      | 30,00                     | 4,00              | 35,76               | 265,5                           | 309,6                      | 11,77              |
| 120-3          | 24A-3              | 38,100  | 22,23                  | 18,90                    | 11,10               | 141,4            | 142,2  | 145,2                      | 35,70                     | 4,80              | 45,44               | 381,0                           | 437,2                      | 17,53              |
| 140-3          | 28A-3              | 44,450  | 25,40                  | 25,22                    | 12,70               | 152,2            | 156,8  | 156,8                      | 41,00                     | 5,60              | 48,87               | 517,2                           | 593,3                      | 22,20              |
| 160-3          | 32A-3              | 50,800  | 28,58                  | 31,55                    | 14,27               | 181,8            | 186,6  | 186,6                      | 47,80                     | 6,40              | 58,55               | 680,4                           | 780,6                      | 30,02              |
| 180-3          | 36-A3              | 57,150  | 35,71                  | 35,48                    | 17,46               | 204,4            | 210,2  | 210,2                      | 53,60                     | 7,20              | 65,84               | 840,7                           | 983,6                      | 38,22              |
| 200-3          | 40A-3              | 63,500  | 39,68                  | 37,85                    | 19,85               | 223,5            | 230,4  | 230,4                      | 60,00                     | 8,00              | 71,55               | 1061,4                          | 1217,4                     | 49,03              |
| 240-3          | 48A-3              | 76,200  | 47,63                  | 47,35                    | 23,81               | 271,3            | 278,6  | 278,6                      | 72,39                     | 9,50              | 87,83               | 1530,9                          | 1530,9                     | 71,60              |

PROMIS Sprocket Transmission Product :





