

Table 32. Reference Transmission Capacity of T5 Ps -Belt Width 10mm- (W)

| No. of Teeth of Small Pulley | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 28 | 30 |
|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Rotary Speed of Small Pulley (rpm) | 19.10 | 22.28 | 25.46 | 28.65 | 31.83 | 35.01 | 38.20 | 44.56 | 47.75 |
| 1160 | 98.5 | 114.9 | 131.3 | 147.7 | 164.1 | 180.5 | 196.9 | 229.7 | 246.1 |
| 1750 | 134.3 | 156.7 | 179.1 | 201.5 | 223.9 | 246.3 | 268.7 | 313.5 | 335.9 |
| 3500 | 222.5 | 259.6 | 296.7 | 333.7 | 370.8 | 407.9 | 445.0 | 519.1 | 556.2 |
| 100 | 10.7 | 12.4 | 14.2 | 16.0 | 17.8 | 19.5 | 21.3 | 24.9 | 26.6 |
| 200 | 20.8 | 24.3 | 27.7 | 31.2 | 34.7 | 38.2 | 41.6 | 48.6 | 52.0 |
| 300 | 30.5 | 35.6 | 40.7 | 45.7 | 50.8 | 55.9 | 61.0 | 71.2 | 76.2 |
| 400 | 39.7 | 46.4 | 53.0 | 59.6 | 66.2 | 72.9 | 79.5 | 92.7 | 99.4 |
| 500 | 48.6 | 56.7 | 64.8 | 72.9 | 81.0 | 89.1 | 97.2 | 113.4 | 121.5 |
| 600 | 57.0 | 66.5 | 76.0 | 85.6 | 95.1 | 104.6 | 114.1 | 133.1 | 142.6 |
| 700 | 65.1 | 76.0 | 86.8 | 97.7 | 108.6 | 119.4 | 130.3 | 152.0 | 162.8 |
| 800 | 72.9 | 85.0 | 97.2 | 109.3 | 121.5 | 133.6 | 145.8 | 170.1 | 182.2 |
| 900 | 80.3 | 93.7 | 107.1 | 120.5 | 133.9 | 147.3 | 160.7 | 187.5 | 200.9 |
| 1000 | 87.5 | 102.1 | 116.7 | 131.3 | 145.9 | 160.5 | 175.0 | 204.2 | 218.8 |
| 1100 | 94.4 | 110.2 | 125.9 | 141.6 | 157.4 | 173.1 | 188.9 | 220.3 | 236.1 |
| 1200 | 101.1 | 117.9 | 134.8 | 151.6 | 168.5 | 185.3 | 202.2 | 235.9 | 252.7 |
| 1300 | 107.5 | 125.5 | 143.4 | 161.3 | 179.2 | 197.2 | 215.1 | 250.9 | 268.9 |
| 1400 | 113.8 | 132.8 | 151.7 | 170.7 | 189.7 | 208.6 | 227.6 | 265.5 | 284.5 |
| 1500 | 119.9 | 139.8 | 159.8 | 179.8 | 200.0 | 219.2 | 239.7 | 279.7 | 299.7 |
| 1600 | 125.8 | 146.7 | 167.7 | 188.6 | 209.6 | 229.6 | 251.5 | 293.4 | 314.4 |
| 1700 | 131.5 | 153.4 | 175.4 | 197.3 | 219.2 | 239.2 | 263.0 | 306.9 | 328.8 |
| 1800 | 137.1 | 160.0 | 182.9 | 205.7 | 228.6 | 251.4 | 274.9 | 320.0 | 342.9 |
| 1900 | 142.6 | 166.4 | 190.2 | 214.0 | 237.7 | 261.5 | 285.3 | 332.8 | 356.6 |
| 2000 | 148.0 | 172.7 | 197.4 | 222.1 | 246.7 | 271.4 | 296.1 | 345.4 | 370.1 |
| 2200 | 158.6 | 185.0 | 211.4 | 237.8 | 264.3 | 290.7 | 317.8 | 370.0 | 396.4 |
| 2400 | 168.8 | 196.9 | 225.1 | 253.2 | 281.4 | 309.5 | 337.6 | 393.9 | 422.0 |
| 2600 | 178.8 | 208.7 | 238.5 | 268.3 | 298.7 | 327.9 | 357.7 | 417.3 | 447.1 |
| 2800 | 188.7 | 220.2 | 251.6 | 283.1 | 314.5 | 346.0 | 377.4 | 440.4 | 471.8 |
| 3000 | 198.5 | 231.6 | 264.6 | 297.7 | 330.8 | 363.9 | 397.0 | 463.1 | 496.2 |
| 3200 | 208.2 | 242.8 | 277.5 | 312.2 | 346.9 | 381.6 | 416.3 | 485.7 | 520.4 |
| 3400 | 217.7 | 254.0 | 290.3 | 326.6 | 362.9 | 399.2 | 435.5 | 508.0 | 544.3 |
| 3600 | 227.2 | 265.1 | 303.0 | 340.8 | 378.7 | 416.6 | 454.4 | 530.2 | 568.1 |
| 3800 | 236.6 | 276.0 | 315.5 | 354.9 | 394.3 | 433.8 | 473.2 | 552.1 | 591.5 |
| 4000 | 245.8 | 286.8 | 327.7 | 368.7 | 409.7 | 450.7 | 491.6 | 573.6 | 614.5 |
| 4200 | 254.8 | 297.3 | 339.7 | 382.2 | 424.7 | 467.2 | 509.6 | 594.6 | 637.0 |
| 4400 | 263.5 | 307.4 | 351.4 | 395.3 | 439.2 | 483.1 | 527.1 | 614.9 | 658.8 |
| 4600 | 271.9 | 317.2 | 362.5 | 407.8 | 453.1 | 498.4 | 543.7 | 634.4 | 679.7 |
| 4800 | 279.7 | 326.4 | 373.0 | 419.6 | 466.2 | 512.8 | 559.5 | 652.7 | 699.3 |
| 5000 | 287.0 | 334.8 | 382.7 | 430.5 | 478.3 | 526.2 | 574.0 | 669.7 | 717.5 |
| 5500 | | | 402.2 | 452.4 | 502.7 | 553.0 | 603.2 | 703.8 | 754.1 |
| 6000 | | | 412.1 | 463.6 | 515.1 | 566.6 | 618.1 | 721.1 | 772.6 |
| 6500 | | | 408.2 | 459.2 | 510.2 | 561.2 | 612.2 | 714.3 | 765.3 |
| 7000 | | | 385.3 | 435.5 | 481.7 | 529.8 | 578.0 | 674.3 | 722.5 |
| 7500 | | | | 379.9 | 422.1 | 464.3 | 506.6 | 591.0 | 633.2 |
| 8000 | | | | 290.8 | 323.1 | 355.5 | 387.8 | 452.4 | 484.7 |
| 8500 | | | | 157.7 | 175.3 | 192.8 | 210.3 | 245.4 | 262.9 |

*Avoiding the [] marked ranges is recommended as endurance time is shorten
 *The above table shows values for the nominal width 10 (10mm). Multiply a value in the table by correction coefficient Kb in the table 15 for other widths.

Table 33. Reference Transmission Capacity of T10 Ps - Belt Width 10mm- (W)

| No. of Teeth of Small Pulley | 12 | 14 | 16 | 18 | 20 | 22 | 24 | 26 | 28 | 30 | 32 | 36 | 40 | 44 | 48 |
|------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Rotary Speed of Small Pulley (rpm) | 38.20 | 44.56 | 50.93 | 57.30 | 63.66 | 70.03 | 76.39 | 82.76 | 89.12 | 95.49 | 101.86 | 114.59 | 127.32 | 140.06 | 152.79 |
| 870 | 254.9 | 297.4 | 339.9 | 382.4 | 424.9 | 467.4 | 509.9 | 552.4 | 594.9 | 637.4 | 679.9 | 764.8 | 849.8 | 934.8 | 1019.8 |
| 1160 | 321.2 | 374.6 | 428.3 | 481.8 | 535.4 | 589.0 | 642.4 | 696.0 | 749.5 | 803.0 | 856.6 | 963.7 | 1070.7 | 1177.8 | 1284.9 |
| 1750 | 438.3 | 511.3 | 584.4 | 657.4 | 730.5 | 803.6 | 876.6 | 949.6 | 1022.7 | 1095.7 | 1168.8 | 1314.9 | 1461.0 | 1607.1 | 1753.2 |
| 3500 | 725.8 | 846.8 | 967.8 | 1088.7 | 1209.7 | 1330.6 | 1451.6 | 1572.6 | 1693.6 | 1814.6 | 1935.5 | 2175.4 | 2415.3 | 2655.2 | 2903.3 |
| 100 | 34.8 | 40.6 | 46.4 | 52.1 | 57.9 | 63.7 | 69.5 | 75.3 | 81.1 | 86.9 | 92.7 | 104.3 | 115.9 | 127.5 | 139.1 |
| 200 | 67.9 | 79.2 | 90.5 | 101.9 | 113.2 | 124.5 | 135.8 | 147.1 | 158.4 | 169.8 | 181.1 | 203.7 | 226.3 | 249.0 | 271.6 |
| 300 | 99.5 | 116.1 | 132.7 | 149.3 | 165.8 | 182.4 | 199.0 | 215.6 | 232.2 | 248.8 | 265.3 | 298.5 | 331.7 | 364.9 | 398.0 |
| 400 | 129.7 | 151.3 | 172.9 | 194.5 | 216.1 | 237.7 | 259.4 | 281.0 | 302.6 | 324.2 | 345.8 | 389.0 | 432.3 | 475.5 | 518.7 |
| 500 | 158.5 | 184.9 | 211.3 | 237.8 | 264.2 | 290.6 | 317.0 | 343.4 | 369.8 | 396.2 | 422.7 | 475.5 | 528.3 | 581.2 | 634.0 |
| 600 | 186.1 | 217.1 | 248.1 | 279.1 | 310.1 | 341.1 | 372.1 | 403.2 | 434.2 | 465.2 | 496.2 | 558.2 | 620.3 | 682.3 | 744.3 |
| 700 | 212.5 | 247.9 | 283.3 | 318.7 | 354.2 | 389.6 | 425.0 | 460.4 | 495.8 | 531.2 | 566.6 | 637.5 | 708.3 | 779.1 | 850.0 |
| 800 | 237.8 | 277.5 | 317.1 | 356.7 | 396.4 | 436.0 | 475.6 | 515.3 | 554.9 | 594.5 | 634.2 | 713.4 | 792.7 | 872.0 | 951.3 |
| 900 | 262.1 | 305.8 | 349.5 | 393.2 | 436.9 | 480.6 | 524.3 | 568.0 | 611.7 | 655.3 | 699.0 | 786.4 | 873.8 | 961.2 | 1048.6 |
| 1000 | 285.5 | 333.1 | 380.7 | 428.3 | 475.9 | 523.5 | 571.1 | 618.7 | 666.2 | 713.8 | 761.4 | 856.6 | 951.8 | 1047.0 | 1142.1 |
| 1100 | 308.1 | 359.4 | 410.8 | 462.1 | 513.5 | 564.8 | 616.2 | 667.5 | 718.8 | 770.2 | 821.5 | 924.2 | 1026.9 | 1129.6 | 1232.3 |
| 1200 | 329.8 | 384.8 | 435.7 | 487.0 | 538.3 | 589.6 | 640.9 | 692.2 | 743.5 | 794.8 | 846.1 | 954.6 | 1057.3 | 1160.0 | 1262.7 |
| 1300 | 350.9 | 409.4 | 467.8 | 526.3 | 584.8 | 643.3 | 701.8 | 760.2 | 818.7 | 877.2 | 935.7 | 1052.5 | 1169.3 | 1286.1 | 1402.9 |
| 1400 | 371.3 | 433.1 | 495.0 | 556.9 | 618.8 | 680.6 | 742.5 | 804.4 | 866.3 | 928.1 | 990.0 | 1113.8 | 1237.5 | 1361.3 | 1485.0 |
| 1500 | 391.0 | 456.2 | 521.4 | 586.6 | 651.7 | 716.9 | 782.1 | 847.3 | 912.4 | 977.6 | 1042.8 | 1173.1 | 1303.5 | 1433.8 | 1564.2 |
| 1600 | 410.3 | 478.7 | 547.1 | 615.4 | 683.8 | 752.2 | 820.6 | 889.0 | 957.4 | 1025.7 | 1094.1 | 1230.9 | 1367.7 | 1504.4 | 1641.2 |
| 1700 | 429.1 | 500.6 | 572.1 | 643.6 | 715.1 | 786.6 | 858.1 | 929.6 | 1001.2 | 1072.7 | 1144.2 | 1287.2 | 1430.2 | 1573.3 | 1716.3 |
| 1800 | 447.4 | 522.0 | 596.5 | 671.1 | 745.7 | 820.2 | 894.8 | 969.4 | 1043.9 | 1118.5 | 1193.1 | 1342.2 | 1485.3 | 1628.4 | 1771.5 |
| 1900 | 465.4 | 542.9 | 620.5 | 698.0 | 775.6 | 853.1 | 930.7 | 1008.3 | 1085.8 | 1163.4 | 1240.9 | 1396.1 | 1541.2 | 1686.3 | 1831.4 |
| 2000 | 483.0 | 563.5 | 643.9 | 724.4 | 804.9 | 885.4 | 965.9 | 1046.4 | 1126.9 | 1207.4 | 1287.9 | 1448.9 | 1609.9 | 1770.9 | 1931.9 |
| 2200 | 517.3 | 603.5 | 689.7 | 776.0 | 862.2 | 948.4 | 1034.6 | 1120.8 | 1207.1 | 1293.3 | 1379.5 | 1551.9 | 1724.4 | 1896.8 | 2069.2 |
| 2400 | 550.7 | 642.5 | 734.3 | 826.1 | 917.9 | 1009.7 | 1101.4 | 1193.8 | 1286.0 | 1378.2 | 1470.4 | 1652.2 | 1835.8 | 2019.3 | 2202.9 |
| 2600 | 583.5 | 680.7 | 777.9 | 875.2 | 972.4 | 1069.7 | 1166.9 | 1264.1 | 1361.4 | 1458.6 | 1555.9 | 1750.4 | 1944.9 | 2139.3 | 2333.8 |
| 2800 | 615.7 | 718.3 | 820.9 | 923.5 | 1026.1 | 1128.7 | 1231.3 | 1333.9 | 1436.6 | 1539.2 | 1641.8 | 1847.0 | 2052.3 | 2257.5 | 2462.7 |
| 3000 | 755.4 | 863.4 | 971.3 | 1079.2 | 1187.1 | 1295.0 | 1402.9 | 1510.8 | 1618.7 | 1726.6 | 1834.5 | 2052.5 | 2270.5 | 2488.5 | 2706.5 |
| 3200 | 792.2 | 905.4 | 1018.6 | 1131.8 | 1244.9 | 1358.1 | 1471.2 | 1584.3 | 1697.4 | 1810.5 | 1923.6 | 2152.6 | 2381.6 | 2610.6 | 2839.6 |
| 3400 | 829.7 | 947.1 | 1065.5 | 1183.9 | 1302.2 | 1420.6 | 1539.0 | 1657.4 | 1775.8 | 1894.2 | 2012.6 | 2252.6 | 2487.7 | 2717.8 | 2947.9 |
| 3600 | 864.8 | 984.4 | 1111.9 | 1235.4 | 1358.9 | 1482.5 | 1606.0 | 1729.5 | 1853.0 | 1976.5 | 2100.0 | 2352.0 | 2587.1 | 2817.2 | 3047.3 |
| 3800 | 900.5 | 1029.1 | 1157.7 | 1286.4 | 1415.0 | 1543.6 | 1672.2 | 1800.9 | 1929.5 | 2058.1 | 2186.7 | 2452.7 | 2687.8 | 2917.9 | 3148.0 |
| 4000 | 1069.2 | 1202.8 | 1336.5 | 1470.2 | 1603.7 | 1737.3 | 1870.9 | 2004.5 | 2138.1 | 2271.7 | 2405.3 | 2705.3 | 2935.4 | 3165.5 | 3395.6 |
| 4200 | 1108.3 | 124 | | | | | | | | | | | | | |