

〔技術計算〕

傳動 時規皮帶的選定方法 8

—傳動容量表—

表48. T5的基準傳動容量 Ps —皮帶寬度10mm時— (W)

小皮帶輪 轉速 (rpm)	小皮帶輪齒數									
	12	14	16	18	20	22	24	28	30	36
1160	98.5	114.9	131.3	147.7	164.1	180.5	196.9	229.7	246.1	281.5
1750	134.3	156.7	179.1	201.5	223.9	246.3	268.7	313.5	335.9	391.5
3500	222.5	259.6	296.7	333.7	370.8	407.9	445.0	519.1	556.2	651.5
100	10.7	12.4	14.2	16.0	17.8	19.5	21.3	24.9	26.6	31.1
200	20.8	24.3	27.7	31.2	34.7	38.2	41.6	48.6	52.0	61.2
300	30.5	35.6	40.7	45.7	50.8	55.9	61.0	71.2	76.2	90.3
400	39.7	46.4	53.0	59.6	66.2	72.9	79.5	92.7	99.4	118.4
500	48.6	56.7	64.8	72.9	81.0	89.1	97.2	113.4	121.5	144.5
600	57.0	66.5	76.0	85.6	95.1	104.6	114.1	133.1	142.6	170.6
700	65.1	76.0	86.8	97.7	108.6	119.4	130.3	152.0	162.8	196.8
800	72.9	85.0	97.2	109.3	121.5	133.6	145.8	170.1	182.2	221.2
900	80.3	93.7	107.1	120.5	133.9	147.3	160.7	187.5	200.9	244.9
1000	87.5	102.1	116.7	131.3	145.9	160.5	175.0	204.2	218.8	267.8
1100	94.4	110.2	125.9	141.6	157.4	173.1	188.9	220.3	236.1	290.1
1200	101.1	117.9	134.8	151.6	168.5	185.3	202.2	235.9	252.7	311.7
1300	107.5	125.5	143.4	161.3	179.2	197.2	215.1	250.9	268.9	332.9
1400	113.8	132.8	151.7	170.7	189.7	208.6	227.6	265.5	284.5	353.5
1500	119.9	139.8	159.8	179.8	200.0	219.2	239.7	279.7	299.7	374.7
1600	125.8	146.7	167.7	188.6	209.6	230.6	251.5	293.4	314.4	394.4
1700	131.5	153.4	175.4	197.3	219.2	241.1	263.0	306.9	328.8	408.8
1800	137.1	160.0	182.9	205.7	229.6	253.4	277.3	323.0	344.9	429.8
1900	142.6	166.4	190.2	214.0	237.7	261.5	285.3	332.8	355.6	445.8
2000	148.0	172.7	197.4	222.1	246.7	271.4	296.1	345.4	370.1	461.8
2200	158.6	185.0	211.4	237.8	264.3	290.7	317.8	370.0	396.4	491.8
2400	168.8	196.9	225.1	252.2	281.4	309.5	337.6	393.9	422.0	511.8
2600	178.8	208.7	238.5	263.3	298.1	327.9	357.7	417.3	447.1	551.8
2800	188.7	220.2	251.6	283.1	314.5	346.0	377.4	440.4	471.8	591.8
3000	198.5	231.6	264.6	297.7	330.8	363.9	397.0	463.1	496.2	631.8
3200	208.2	242.8	277.5	312.2	346.9	381.6	416.3	485.7	520.4	671.8
3400	217.7	254.0	290.3	326.6	362.9	399.2	435.5	508.0	544.3	711.8
3600	227.2	265.1	303.0	340.8	378.7	416.6	454.4	530.2	568.1	751.8
3800	236.6	276.0	315.5	354.9	394.3	433.8	473.2	552.1	591.5	791.8
4000	245.8	286.8	327.7	368.7	409.7	450.7	491.6	573.6	614.5	831.8
4200	254.8	297.3	339.7	382.2	424.7	467.2	509.6	594.6	637.0	871.8
4400	263.5	307.4	351.4	395.3	439.2	483.1	527.1	614.9	658.8	911.8
4600	271.9	317.2	362.5	407.8	453.1	498.4	543.7	634.4	679.7	951.8
4800	279.7	326.4	373.0	416.2	466.2	512.8	559.5	652.7	699.3	991.8
5000	287.0	334.8	382.7	430.5	478.3	526.2	574.0	669.7	717.5	1031.8
5500			402.2	452.4	502.7	603.2	703.8	754.1		
6000			412.1	463.6	515.1	566.6	618.1	721.1		
6500			408.2	459.2	510.2	561.2	612.2	714.3		
7000			385.3	433.5	481.7	529.8	578.0	674.3		
7500				379.9	422.1	464.3	506.6	591.0		
8000				290.8	323.1	355.5	387.8	452.4		
8500				157.7	175.3	192.8	210.3	245.4		

※□□□內範圍其耐久時間會減少,請盡量避免。

※上表是皮帶寬度No.10(10mm)時,若皮帶寬度變更,請與表28的寬度修正係數Kb相乘。

表49. T10的基準傳動容量 Ps —皮帶寬度10mm時— (W)

小皮帶輪 轉速 (rpm)	小皮帶輪齒數														
	12	14	16	18	20	22	24	26	28	30	32	36	40	48	
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	588.9	642.4	695.9	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	2177.5	2419.4	2661.4	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	396.3	422.7	475.5	528.3	581.2	634.0
600	186.1	217.1	248.1	279.1	310.1	341.1	372.2	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	439.8	494.7	549.7	604.6	659.5	714.4	769.3	824.2	879.1	995.5	1099.4	1203.4	1307.3
1300	350.9	409.4	471.8	525.3	584.8	644.3	701.4	760.2	819.0	877.7	936.5	1052.6	1168.6	1284.6	1400.6
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	521.1	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	1411.3	1640.5	1781.6
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	1551.2	1706.3	1861.4
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	1931.8
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	1285.0	1376.8	1468.6	1652.2	1835.8	2019.3	2202.9
2600	583.5	680.7	774.9	870.7	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	654.4	763.4	871.3	979.2	1087.1	1195.0	1302.9	1410.8	1518.7	1626.6	1734.5	1942.4	2150.3	2358.2	2566.1
3200	693.1	804.4	913.3	1021.2	1129.1	1237.0	1344.9	1452.8	1560.7	1668.6	1776.5	1984.4	2192.3	2399.2	2607.1
3400	731.8	844.4	953.3	1061.2	1169.1	1277.0	1384.9	1492.8	1600.7	1708.6	1816.5	2024.4	2232.3	2439.2	2650.1
3600	770.5	884.4	993.3	1101.2	1209.1	1317.0	1424.9	1532.8	1640.7	1748.6	1856.5	2064.4	2272.3	2479.2	2695.1
3800	809.2	924.4	1033.3	1141.2	1249.1	1357.0	1464.9	1572.8	1680.7	1788.6	1896.5	2104.4	2312.3	2519.2	2735.1
4000	847.9	964.4	1073.3	1181.2	1289.1	1397.0	1504.9	1612.8	1720.7	1828.6	1936.5	2146.4	2354.3	2561.2	2777.1
4200	886.6	1004.4	1113.3	1221.2	1329.1	1437.0	1544.9	1652.8	1760.7	1868.6	1976.5	2186.4	2394.3	2601.2	2817.1
4400	925.3	1043.3	1152.2	1260.1	1368.0	1475.9	1583.8	1691.7	1799.6	1907.5	2015.4	2225.3	2433.2	2641.1	2857.1
4600	964.0	1082.0	1190.9	1298.8	1406.7	1514.6	1622.5	1730.4	1838.3	1946.2	2054.1	2264.0	2471.9	2679.8	2895.8
4800	1002.7	1120.7	1228.6	1336.5	1444.4	1552.3	1660.2	1768.1	1876.0	1983.9	2091.8	2301.7	2509.6	2717.5	2934.4
500															