

17. おねじ素材径表 (切削加工用ダイス)

■メートルねじ用

呼び	おねじ外径				素材径	
	現行 JIS		旧JIS		現行 JIS	旧JIS
	Max.	Min.	Max.	Min.		
M1X0.25	1.000	0.933	0.985	0.940	0.95	0.95
M1X0.2	1.000	0.944	0.980	0.930	0.96	0.94
M1.1X0.25	1.100	1.033	1.100	1.033	1.05	1.05
M1.2X0.25	1.200	1.133	1.185	1.140	1.15	1.15
M1.2X0.2	1.200	1.144	1.180	1.130	1.16	1.14
M1.4X0.3	1.400	1.325	1.380	1.320	1.34	1.34
M1.4X0.2	1.400	1.344	1.380	1.330	1.36	1.34
M1.6X0.35	1.581	1.496	1.581	1.496	1.52	1.52
M1.6X0.2	1.583	1.527	1.583	1.527	1.54	1.54
※ ¹ M1.7X0.35	1.681	1.596	1.680	1.610	1.62	1.63
※ ¹ M1.7X0.2	1.683	1.627	1.680	1.630	1.64	1.64
M1.8X0.35	1.781	1.696	1.781	1.696	1.72	1.72
M1.8X0.2	1.783	1.727	1.783	1.727	1.74	1.74
M2X0.4	1.981	1.886	1.980	1.890	1.91	1.91
M2X0.25	1.982	1.915	1.980	1.930	1.93	1.94
M2.2X0.45	2.180	2.080	2.180	2.080	2.11	2.11
M2.2X0.25	2.182	2.115	2.182	2.115	2.13	2.13
※ ¹ M2.3X0.4	2.281	2.186	2.280	2.190	2.21	2.21
※ ¹ M2.3X0.25	2.282	2.215	2.280	2.230	2.23	2.24
M2.5X0.45	2.480	2.380	2.480	2.380	2.41	2.41
M2.5X0.35	2.481	2.396	2.481	2.396	2.42	2.42
※ ¹ M2.6X0.45	2.580	2.480	2.580	2.480	2.51	2.51
※ ¹ M2.6X0.35	2.581	2.496	2.580	2.480	2.52	2.51
M3X0.5	2.980	2.874	2.980	2.874	2.90	2.90
※ ¹ 3M0.6	-	-	2.970	2.860	-	2.89
M3X0.35	2.981	2.896	2.980	2.880	2.92	2.91
M3.5X0.6	3.479	3.354	3.470	3.360	3.39	3.39
※ ² M3.5X0.5	3.480	3.374	3.470	3.360	3.40	3.39
M3.5X0.35	3.481	3.396	3.480	3.380	3.42	3.41
M4X0.7	3.978	3.838	3.978	3.838	3.87	3.87
※ ¹ 4M0.75	-	-	3.970	3.840	-	3.87
M4X0.5	3.980	3.874	3.970	3.860	3.90	3.89
※ ² M4X0.35	3.981	3.896	3.980	3.880	3.92	3.91
M4.5X0.75	4.478	4.338	4.470	4.340	4.37	4.37
M4.5X0.5	4.480	4.374	4.470	4.360	4.40	4.39
M5X0.8	4.976	4.826	4.976	4.826	4.86	4.86
※ ¹ 5M0.9	-	-	4.970	4.830	-	4.87
※ ² M5X0.75	4.978	4.838	4.970	4.850	4.87	4.88
M5X0.5	4.980	4.874	4.970	4.860	4.90	4.89
※ ¹ M5.5X0.9	-	-	5.470	5.330	-	5.37
M5.5X0.5	5.480	5.374	5.470	5.360	5.40	5.39
M6X1	5.974	5.794	5.970	5.820	5.84	5.86
M6X0.75	5.978	5.838	5.970	5.850	5.87	5.88
※ ¹ M6X0.5	5.980	5.874	5.970	5.880	5.90	5.90

単位：mm

呼び	おねじ外径				素材径	
	現行 JIS		旧JIS		現行 JIS	旧JIS
	Max.	Min.	Max.	Min.		
M7X1	6.974	6.794	6.970	6.820	6.84	6.86
M7X0.75	6.978	6.838	6.970	6.850	6.87	6.88
※ ¹ M7X0.5	6.980	6.874	6.970	6.880	6.90	6.90
M8X1.25	7.972	7.760	7.960	7.790	7.81	7.83
M8X1	7.974	7.794	7.970	7.830	7.84	7.87
M8X0.75	7.978	7.838	7.970	7.830	7.87	7.87
※ ¹ M8X0.5	7.980	7.874	7.990	7.910	7.90	7.93
M9X1.25	8.972	8.760	8.960	8.790	8.81	8.83
M9X1	8.974	8.794	8.970	8.830	8.84	8.87
M9X0.75	8.978	8.838	8.970	8.830	8.87	8.87
※ ¹ M9X0.5	8.980	8.874	8.990	8.910	8.90	8.93
M10X1.5	9.968	9.732	9.960	9.770	9.79	9.82
M10X1.25	9.972	9.760	9.960	9.810	9.81	9.85
M10X1	9.974	9.794	9.970	9.820	9.84	9.86
M10X0.75	9.978	9.838	9.978	9.838	9.87	9.87
※ ¹ M10X0.5	9.980	9.874	9.990	9.910	9.90	9.93
M11X1.5	10.968	10.732	10.968	10.732	10.79	10.79
※ ¹ M11X1.25	10.972	10.760	10.960	10.810	10.81	10.85
M11X1	10.974	10.794	10.970	10.820	10.84	10.86
M11X0.75	10.978	10.838	10.978	10.838	10.87	10.87
※ ¹ M11X0.5	10.980	10.874	10.990	10.910	10.90	10.93
M12X1.75	11.966	11.701	11.950	11.760	11.8	11.8
M12X1.5	11.968	11.732	11.960	11.790	11.79	11.83
M12X1.25	11.972	11.760	11.972	11.760	11.81	11.81
M12X1	11.974	11.794	11.960	11.810	11.84	11.85
※ ² M12X0.75	11.978	11.838	11.970	11.850	11.87	11.88
※ ¹ M12X0.5	11.980	11.874	11.990	11.910	11.90	11.93
※ ¹ M13X1.5	12.968	12.732	12.960	12.790	12.79	12.83
※ ² M13X1.25	12.972	12.760	12.960	12.810	12.81	12.85
※ ¹ M13X1	12.974	12.794	12.960	12.810	12.84	12.85
※ ² M13X0.75	12.978	12.838	12.970	12.850	12.87	12.88
※ ¹ M13X0.5	12.980	12.874	12.990	12.910	12.90	12.93
M14X2	13.962	13.682	13.950	13.740	13.8	13.8
M14X1.5	13.968	13.732	13.960	13.790	13.79	13.83
M14X1.25	13.972	13.760	13.960	13.810	13.81	13.85
M14X1	13.974	13.794	13.960	13.810	13.84	13.85
※ ² M14X0.75	13.978	13.838	13.970	13.850	13.87	13.88
※ ¹ M14X0.5	13.980	13.874	13.990	13.910	13.90	13.93
※ ² M15X2	14.962	14.682	14.950	14.740	14.8	14.8
M15X1.5	14.968	14.732	14.960	14.790	14.79	14.83
※ ² M15X1.25	14.972	14.760	14.960	14.810	14.81	14.85
M15X1	14.974	14.794	14.960	14.810	14.84	14.85
※ ² M15X0.75	14.978	14.838	14.970	14.850	14.87	14.88
※ ¹ M15X0.5	14.980	14.874	14.990	14.910	14.90	14.93

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単位：mm

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	現行 JIS		旧JIS		現行 JIS	旧JIS
	Max.	Min.	Max.	Min.		
M16X2	15.962	15.682	15.950	15.740	15.8	15.8
M16X1.5	15.968	15.732	15.960	15.790	15.79	15.83
※ ² M16X1.25	15.972	15.760	15.960	15.810	15.81	15.85
M16X1	15.974	15.794	15.960	15.810	15.84	15.85
※ ² M16X0.75	15.978	15.838	15.970	15.850	15.87	15.88
※ ¹ M16X0.5	15.980	15.874	15.990	15.910	15.90	15.93
※ ² M17X2	16.962	16.682	16.950	16.740	16.8	16.8
M17X1.5	16.968	16.732	16.968	16.732	16.79	16.79
M17X1	16.974	16.794	16.974	16.794	16.84	16.84
※ ² M17X0.5	16.980	16.874	16.990	16.910	16.90	16.93
M18X2.5	17.958	17.623	17.950	17.710	17.7	17.8
M18X2	17.962	17.682	17.950	17.650	17.8	17.7
M18X1.5	17.968	17.732	17.950	17.780	17.79	17.82
M18X1	17.974	17.794	17.960	17.810	17.84	17.85
※ ¹ M18X0.5	17.980	17.874	17.990	17.910	17.90	17.93
※ ² M19X1.5	18.968	18.732	18.950	18.780	18.79	18.82
※ ² M19X1	18.974	18.794	18.960	18.810	18.84	18.85
M20X2.5	19.958	19.623	19.950	19.710	19.7	19.8
M20X2	19.962	19.682	19.950	19.650	19.8	19.7
M20X1.5	19.968	19.732	19.950	19.780	19.79	19.82
※ ² M20X1.25	19.972	19.760	19.960	19.810	19.81	19.85
M20X1	19.974	19.794	19.960	19.810	19.84	19.85
※ ¹ M20X0.5	19.980	19.874	19.990	19.910	19.90	19.93
※ ² M21X1.5	20.968	20.732	20.950	20.780	20.79	20.82
※ ² M21X1	20.974	20.794	20.960	20.810	20.84	20.85
M22X2.5	21.958	21.623	21.950	21.710	21.7	21.8
M22X2	21.962	21.682	21.950	21.650	21.8	21.7
M22X1.5	21.968	21.732	21.950	21.780	21.79	21.82
※ ² M22X1.25	21.972	21.760	21.960	21.810	21.81	21.85
M22X1	21.974	21.794	21.960	21.810	21.84	21.85
※ ¹ M22X0.5	21.980	21.874	21.990	21.910	21.90	21.93
※ ² M23X1.5	22.968	22.732	22.950	22.780	22.79	22.82
※ ² M23X1	22.974	22.794	22.960	22.810	22.84	22.85
M24X3	23.952	23.577	23.940	23.680	23.7	23.7
M24X2	23.962	23.682	23.940	23.640	23.8	23.7
M24X1.5	23.968	23.732	23.950	23.780	23.79	23.82
※ ² M24X1.25	23.972	23.760	23.960	23.810	23.81	23.85
M24X1	23.974	23.794	23.960	23.810	23.84	23.85
※ ² M25X3	24.952	24.577	24.940	24.680	24.7	24.7
M25X2	24.962	24.682	24.940	24.640	24.8	24.7
M25X1.5	24.968	24.732	24.950	24.780	24.79	24.82
※ ² M25X1.25	24.972	24.760	24.960	24.810	24.81	24.85
M25X1	24.974	24.794	24.960	24.810	24.84	24.85
※ ¹ M26X2	25.962	25.682	25.940	25.640	25.8	25.7

呼び	おねじ外径				素材径	
	現行 JIS		旧JIS		現行 JIS	旧JIS
	Max.	Min.	Max.	Min.		
M26X1.5	25.968	25.732	25.950	25.780	25.79	25.82
※ ² M26X1	25.974	25.794	25.960	25.810	25.84	25.85
M27X3	26.952	26.577	26.940	26.680	26.7	26.7
M27X2	26.962	26.682	26.962	26.682	26.8	26.8
M27X1.5	26.968	26.732	26.950	26.780	26.79	26.82
M27X1	26.974	26.794	26.974	26.794	26.84	26.84
M28X2	27.962	27.682	27.940	27.640	27.8	27.7
M28X1.5	27.968	27.732	27.950	27.780	27.79	27.82
M28X1	27.974	27.794	27.960	27.810	27.84	27.85
M30X3.5	29.947	29.522	29.940	29.660	29.6	29.7
M30X3	29.952	29.577	29.952	29.577	29.7	29.7
M30X2	29.962	29.682	29.940	29.640	29.8	29.7
M30X1.5	29.968	29.732	29.950	29.780	29.79	29.82
M30X1	29.974	29.794	29.960	29.810	29.84	29.85
※ ¹ M30X0.5	29.980	29.874	29.990	29.910	29.90	29.93
※ ² M32X3	31.952	31.577	31.952	31.577	31.7	31.7
M32X2	31.962	31.682	31.940	31.640	31.8	31.7
M32X1.5	31.968	31.732	31.950	31.780	31.79	31.82
※ ¹ M32X1	31.974	31.794	31.950	31.800	31.84	31.84
※ ¹ M32X0.5	31.980	31.874	31.990	31.910	31.90	31.93
M33X3.5	32.947	32.522	32.940	32.660	32.6	32.7
M33X3	32.952	32.577	32.952	32.577	32.7	32.7
M33X2	32.962	32.682	32.962	32.682	32.8	32.8
M33X1.5	32.968	32.732	32.950	32.780	32.79	32.82
※ ² M33X1	32.974	32.794	32.950	32.800	32.84	32.84
※ ² M34X3	33.952	33.577	33.952	33.577	33.7	33.7
※ ¹ M34X2	33.962	33.682	33.940	33.640	33.8	33.7
※ ¹ M34X1.5	33.968	33.732	33.950	33.780	33.79	33.82
※ ¹ M34X1	33.974	33.794	33.950	33.800	33.84	33.84
※ ² M35X3	34.952	34.577	34.952	34.577	34.7	34.7
※ ² M35X2	34.962	34.682	34.940	34.640	34.8	34.7
M35X1.5	34.968	34.732	34.950	34.780	34.79	34.82
※ ² M35X1.25	34.972	34.760	34.960	34.810	34.81	34.85
※ ² M35X1	34.974	34.794	34.950	34.800	34.84	34.84
M36X4	35.940	35.465	35.930	35.630	35.6	35.7
M36X3	35.952	35.577	35.952	35.577	35.7	35.7
M36X2	35.962	35.682	35.940	35.640	35.8	35.7
M36X1.5	35.968	35.732	35.950	35.780	35.79	35.82
※ ¹ M36X1	35.974	35.794	35.950	35.800	35.84	35.84
※ ¹ M36X0.5	35.980	35.874	35.990	35.910	35.90	35.93
※ ² M37X1.5	36.968	36.732	36.950	36.780	36.79	36.82
※ ² M37X1	36.974	36.794	36.950	36.800	36.84	36.84
※ ² M38X4	37.940	37.465	37.930	37.630	37.6	37.7
※ ² M38X3	37.952	37.577	37.952	37.577	37.7	37.7

17. おねじ素材径表 (切削加工用ダイス)

単位：mm

呼び	おねじ外径				素材径	
	現行 JIS		旧JIS		現行 JIS	旧JIS
	Max.	Min.	Max.	Min.		
※ ¹ M38X2	37.962	37.682	37.940	37.640	37.8	37.7
M38X1.5	37.968	37.732	37.950	37.780	37.79	37.82
※ ¹ M38X1	37.974	37.794	37.950	37.800	37.84	37.84
M39X4	38.940	38.465	38.930	38.630	38.6	38.7
M39X3	38.952	38.577	38.952	38.577	38.7	38.7
M39X2	38.962	38.682	38.962	38.682	38.8	38.8
M39X1.5	38.968	38.732	38.968	38.732	38.79	38.79
※ ² M39X1	38.974	38.794	38.950	38.800	38.84	38.84
※ ² M40X4	39.940	39.465	39.930	39.630	39.6	39.7
M40X3	39.952	39.577	39.952	39.577	39.7	39.7
M40X2	39.962	39.682	39.940	39.640	39.8	39.7
M40X1.5	39.968	39.732	39.950	39.780	39.79	39.82
※ ¹ M40X1	39.974	39.794	39.950	39.800	39.84	39.84
M42X4.5	41.937	41.437	41.930	41.610	41.6	41.7
M42X4	41.940	41.465	41.940	41.465	41.6	41.6
M42X3	41.952	41.577	41.952	41.577	41.7	41.7
M42X2	41.962	41.682	41.940	41.640	41.8	41.7
M42X1.5	41.968	41.732	41.950	41.780	41.79	41.82
※ ¹ M42X1	41.974	41.794	41.950	41.800	41.84	41.84
※ ² M44X2	43.962	43.682	43.940	43.640	43.8	43.7
※ ² M44X1.5	43.968	43.732	43.950	43.780	43.79	43.82
M45X4.5	44.937	44.437	44.930	44.610	44.6	44.7
M45X4	44.940	44.465	44.940	44.465	44.6	44.6
M45X3	44.952	44.577	44.952	44.577	44.7	44.7
M45X2	44.962	44.682	44.940	44.640	44.8	44.7
M45X1.5	44.968	44.732	44.950	44.780	44.79	44.82
※ ¹ M45X1	44.974	44.794	44.950	44.800	44.84	44.84
※ ² M46X4	45.940	45.465	45.940	45.465	45.6	45.6
※ ² M46X3	45.952	45.577	45.952	45.577	45.7	45.7
※ ² M46X2	45.962	45.682	45.940	45.640	45.8	45.7
※ ² M46X1.5	45.968	45.732	45.950	45.780	45.79	45.82
M48X5	47.929	47.399	47.930	47.590	47.5	47.7
M48X4	47.940	47.465	47.940	47.465	47.6	47.6
M48X3	47.952	47.577	47.952	47.577	47.7	47.7
M48X2	47.962	47.682	47.940	47.640	47.8	47.7
M48X1.5	47.968	47.732	47.950	47.780	47.79	47.82
※ ² M48X1.25	47.972	47.760	47.960	47.810	47.81	47.85
※ ¹ M48X1	47.974	47.794	47.950	47.800	47.84	47.84
※ ² M50X4	49.940	49.465	49.940	49.465	49.6	49.6
M50X3	49.952	49.577	49.952	49.577	49.7	49.7
M50X2	49.962	49.682	49.940	49.640	49.8	49.7
M50X1.5	49.968	49.732	49.950	49.780	49.79	49.82
※ ¹ M50X1	49.974	49.794	49.950	49.800	49.84	49.84
M52X5	51.929	51.399	51.929	51.399	51.5	51.5

呼び	おねじ外径				素材径	
	現行 JIS		旧JIS		現行 JIS	旧JIS
	Max.	Min.	Max.	Min.		
M52X4	51.940	51.465	51.940	51.465	51.6	51.6
M52X3	51.952	51.577	51.952	51.577	51.7	51.7
M52X2	51.962	51.682	51.940	51.640	51.8	51.7
M52X1.5	51.968	51.732	51.950	51.700	51.79	51.76
M55X4	54.940	54.465	54.940	54.465	54.6	54.6
M55X3	54.952	54.577	54.952	54.577	54.7	54.7
M55X2	54.962	54.682	54.940	54.640	54.8	54.7
M55X1.5	54.968	54.732	54.950	54.700	54.79	54.76
M56X5.5	55.925	55.365	55.925	55.365	55.5	55.5
M56X4	55.940	55.465	55.940	55.465	55.6	55.6
M56X3	55.952	55.577	55.952	55.577	55.7	55.7
M56X2	55.962	55.682	55.962	55.682	55.8	55.8
M56X1.5	55.968	55.732	55.968	55.732	55.79	55.79
M58X4	57.940	57.465	57.940	57.465	57.6	57.6
M58X3	57.952	57.577	57.952	57.577	57.7	57.7
M58X2	57.962	57.682	57.940	57.640	57.8	57.7
M58X1.5	57.968	57.732	57.950	57.700	57.79	57.76
M60X5.5	59.925	59.365	59.925	59.365	59.5	59.5
M60X4	59.940	59.465	59.940	59.465	59.6	59.6
M60X3	59.952	59.577	59.952	59.577	59.7	59.7
M60X2	59.962	59.682	59.940	59.640	59.8	59.7
M60X1.5	59.968	59.732	59.950	59.700	59.79	59.76
M62X4	61.940	61.465	61.940	61.465	61.6	61.6
M62X3	61.952	61.577	61.952	61.577	61.7	61.7
M62X2	61.962	61.682	61.940	61.640	61.8	61.7
M62X1.5	61.968	61.732	61.950	61.700	61.79	61.76
M64X6	63.920	63.320	63.920	63.320	63.5	63.5
M64X4	63.940	63.465	63.940	63.465	63.6	63.6
M64X3	63.952	63.577	63.952	63.577	63.7	63.7
M64X2	63.962	63.682	63.962	63.682	63.8	63.8
M64X1.5	63.968	63.732	63.968	63.732	63.79	63.79
※ ² M65X6	64.920	64.320	64.920	64.320	64.5	64.5
M65X4	64.940	64.465	64.920	64.465	64.6	64.6
M65X3	64.952	64.577	64.952	64.577	64.7	64.7
M65X2	64.962	64.682	64.940	64.640	64.8	64.7
M65X1.5	64.968	64.732	64.950	64.700	64.79	64.76
M68X6	67.920	67.320	67.920	67.320	67.5	67.5
M68X4	67.940	67.465	67.940	67.465	67.6	67.6
M68X3	67.952	67.577	67.952	67.577	67.7	67.7
M68X2	67.962	67.682	67.940	67.640	67.8	67.7
M68X1.5	67.968	67.732	67.950	67.700	67.79	67.76
M70X6	69.920	69.320	69.920	69.320	69.5	69.5
M70X4	69.940	69.465	69.940	69.465	69.6	69.6
M70X3	69.952	69.577	69.952	69.577	69.7	69.7

17. おねじ素材径表 (切削加工用ダイス)

呼び	おねじ外径				素材径	
	現行 JIS		旧 JIS			
	Max.	Min.	Max.	Min.	現行 JIS	旧 JIS
M70X2	69.962	69.682	69.940	69.640	69.8	69.7
M70X1.5	69.968	69.732	69.950	69.700	69.79	69.76
M72X6	71.920	71.320	71.920	71.320	71.5	71.5
M72X4	71.940	71.465	71.940	71.465	71.6	71.6
M72X3	71.952	71.577	71.952	71.577	71.7	71.7
M72X2	71.962	71.682	71.940	71.640	71.8	71.7
M72X1.5	71.968	71.732	71.950	71.700	71.79	71.76
※ ² M75X6	74.920	74.320	74.920	74.320	74.5	74.5
M75X4	74.940	74.465	74.940	74.465	74.6	74.6
M75X3	74.952	74.577	74.952	74.577	74.7	74.7
M75X2	74.962	74.682	74.940	74.640	74.8	74.7
M75X1.5	74.968	74.732	74.950	74.700	74.79	74.76
M76X6	75.920	75.320	75.920	75.320	75.5	75.5
M76X4	75.940	75.465	75.940	75.465	75.6	75.6
M76X3	75.952	75.577	75.952	75.577	75.7	75.7
M76X2	75.962	75.682	75.962	75.682	75.8	75.8
M76X1.5	75.968	75.732	75.968	75.732	75.79	75.79
M78X2	77.962	77.682	77.940	77.640	77.8	77.7
M80X6	79.920	79.320	79.920	79.320	79.5	79.5
M80X4	79.940	79.465	79.940	79.465	79.6	79.6
M80X3	79.952	79.577	79.952	79.577	79.7	79.7
M80X2	79.962	79.682	79.940	79.640	79.8	79.7
M80X1.5	79.968	79.732	79.950	79.700	79.79	79.76

現行 JIS: 公差域クラス 6g (M1.6 以上), 6h (M1.4 以下)

旧 JIS: 2 級

- ・ 現行 JIS: JIS B 0209-2 及び JIS B 0209-3 より
- ・ 旧 JIS: JIS B 0209-1959 及び JIS B 0211-1959 より
- ・ 呼び※¹ 印のものは現行 JIS から削除されています。
- ・ 呼び※² 印のものは現行 JIS・旧 JIS に規定されていない。

■ユニファイねじ用 (2A)

単位: mm

呼び	おねじ外径		素材径
	Max.	Min.	
No.0-80UNF	1.511	1.431	1.45
No.1-64UNC	1.838	1.743	1.77
No.1-72UNF	1.838	1.751	1.77
No.2-56UNC	2.169	2.066	2.09
No.2-64UNF	2.169	2.073	2.10
No.3-48UNC	2.496	2.383	2.41
No.3-56UNF	2.496	2.393	2.42
No.4-40UNC	2.824	2.695	2.73
No.4-48UNF	2.827	2.713	2.74
No.5-40UNC	3.154	3.026	3.06
No.5-44UNF	3.157	3.036	3.07
No.6-32UNC	3.484	3.333	3.37
No.6-40UNF	3.484	3.356	3.39
No.8-32UNC	4.142	3.991	4.03
No.8-36UNF	4.145	4.006	4.04
No.10-24UNC	4.800	4.618	4.66
No.10-32UNF	4.803	4.651	4.69
No.12-24UNC	5.461	5.279	5.32
No.12-28UNF	5.461	5.296	5.34
1/4-20UNC	6.322	6.117	6.17
1/4-28UNF	6.324	6.160	6.20
1/4-32UNEF	6.324	6.173	6.21
1/4-36UNS	6.327	6.187	6.22
5/16-18UNC	7.907	7.687	7.74
5/16-24UNF	7.909	7.727	7.77
5/16-32UNEF	7.912	7.760	7.80
3/8-16UNC	9.491	9.254	9.31
3/8-24UNF	9.497	9.315	9.36
3/8-32UNEF	9.499	9.348	9.39
7/16-14UNC	11.076	10.816	10.9
7/16-20UNF	11.079	10.874	10.93
7/16-24UNS	11.082	10.900	10.95
7/16-28UNEF	11.084	10.920	10.96
1/2-13UNC	12.661	12.386	12.5
1/2-20UNF	12.666	12.462	12.51
1/2-28UNEF	12.672	12.507	12.55
9/16-12UNC	14.246	13.958	14.0
9/16-18UNF	14.251	14.031	14.09
9/16-20UN	14.254	14.049	14.10
9/16-24UNEF	14.257	14.075	14.12
5/8-11UNC	15.834	15.528	15.6
5/8-18UNF	15.839	15.619	15.67
5/8-24UNEF	15.844	15.662	15.71
3/4-10UNC	19.004	18.677	18.8
3/4-16UNF	19.011	18.774	18.83
3/4-20UNEF	19.017	18.812	18.86
7/8-9UNC	22.176	21.824	21.9
7/8-14UNF	22.184	21.923	22.0
1-8UNC	25.349	24.969	25.1
1-12UNF	25.354	25.065	25.1
1-14UNS	25.359	25.098	25.2
1-20UNEF	25.364	25.159	25.21
1 1/8-7UNC	28.519	28.103	28.2

呼び	おねじ外径		素材径
	Max.	Min.	
1 1/8-8UN	28.521	28.141	28.2
1 1/8-12UNF	28.529	28.240	28.3
1 1/4-7UNC	31.694	31.278	31.4
1 1/4-8UN	31.696	31.316	31.4
1 1/4-12UNF	31.704	31.415	31.5
1 3/8-6UNC	34.864	34.402	34.5
1 3/8-12UNF	34.876	34.588	34.7
1 1/2-6UNC	38.039	37.577	37.7
1 1/2-8UN	38.044	37.664	37.8
1 1/2-12UNF	38.051	37.763	37.8
1 5/8-12UN	41.229	40.940	41.0
1 3/4-5UNC	44.381	43.861	44.0
1 3/4-12UN	44.404	44.115	44.2
2-12UN	50.754	50.465	50.5

・UNC,UNF:JIS B 0210及びJIS B 0212より

・UNEF,UN,UNS:ASME B1.1より

17. おねじ素材径表(切削加工用ダイス)

■マシン用ねじ用(2級)

単位: mm

呼び	おねじ外径		素材径
	Max.	Min.	
3/32 SM 56	2.381	2.286	2.31
1/8 SM 40	3.175	3.045	3.08
1/8 SM 44	3.175	3.055	3.09
9/64 SM 40	3.572	3.442	3.47
11/64 SM 40	4.366	4.236	4.27
3/16 SM 28	4.762	4.602	4.64
3/16 SM 32	4.762	4.602	4.64
7/32 SM 32	5.556	5.396	5.44
15/64 SM 28	5.953	5.773	5.82
1/4 SM 24	6.350	6.170	6.22
1/4 SM 40	6.350	6.220	6.25

・マシン用ねじは現行JISから削除されています。

■ウイト並目ねじ用(2級)

単位: mm

呼び	おねじ外径		素材径
	Max.	Min.	
※ 1/16 W 60	1.525	1.427	1.45
※ 3/32 W 48	2.304	2.201	2.23
※ 1/8 W 40	3.081	2.972	3.00
※ 5/32 W 32	3.851	3.734	3.76
※ 3/16 W 24	4.606	4.475	4.51
※ 7/32 W 24	5.401	5.270	5.30
1/4 W 20	6.260	6.140	6.17
5/16 W 18	7.838	7.708	7.74
3/8 W 16	9.405	9.265	9.30
7/16 W 14	10.982	10.842	10.9
1/2 W 12	12.540	12.380	12.4
9/16 W 12	14.128	13.968	14.0
5/8 W 11	15.705	15.535	15.6
3/4 W 10	18.860	18.680	18.7
7/8 W 9	22.015	21.815	21.9
1 W 8	25.160	24.950	25.0
1 1/8 W 7	28.305	28.075	28.1
1 1/4 W 7	31.480	31.250	31.3
1 3/8 W 6	34.615	34.365	34.4
1 1/2 W 6	37.790	37.540	37.6

・ウイト並目ねじは現行JISから削除されています。

・呼び※印のものはBSWに準じています。

■管用テーパねじ(PT、R)用

単位: mm

呼び	素材径	
	テーパの場合(先端径)	ストレートの場合
PT 1/16 - 28	7.48	7.88
PT 1/8 - 28	9.48	9.89
PT 1/4 - 19	12.86	13.39
PT 3/8 - 19	16.34	16.90
PT 1/2 - 14	20.5	21.3
※ PT 5/8 - 14	22.4	23.3
PT 3/4 - 14	25.9	26.8
※ PT 7/8 - 14	29.6	30.6
PT 1 - 11	32.7	33.7
PT 1 1/4 - 11	41.2	42.3
PT 1 1/2 - 11	47.1	48.2
PT 2 - 11	58.7	60.1

・呼び※印のものは現行JIS・旧JISに規定されていない。

■管用平行ねじ(PF、G)用(A級)

単位: mm

呼び	おねじ外径		素材径
	Max.	Min.	
PF 1/16 - 28	7.723	7.509	7.56
PF 1/8 - 28	9.728	9.514	9.57
PF 1/4 - 19	13.157	12.907	12.97
PF 3/8 - 19	16.662	16.412	16.47
PF 1/2 - 14	20.955	20.671	20.7
PF 5/8 - 14	22.911	22.627	22.7
PF 3/4 - 14	26.441	26.157	26.2
PF 7/8 - 14	30.201	29.917	30.0
PF 1 - 11	33.249	32.889	33.0
PF 1 1/4 - 11	41.910	41.550	41.6
PF 1 1/2 - 11	47.803	47.443	47.5
PF 2 - 11	59.614	59.254	59.3

■アメリカ管用テーパねじ (NPT) 用

単位: mm

呼び	素材径		配管の外径 (参考)
	テーパの場合 (先端径)	ストレートの場合	
1/16-27 NPT	7.64	7.93	7.938
1/8-27 NPT	9.98	10.28	10.287
1/4-18 NPT	13.25	13.71	13.716
3/8-18 NPT	16.67	17.14	17.145
1/2-14 NPT	20.7	21.3	21.336
3/4-14 NPT	26.0	26.6	26.670
1 -11 1/2 NPT	32.5	33.3	33.401
1 1/4-11 1/2 NPT	41.3	42.1	42.164

■アメリカドライシール管用テーパねじ (NPTF) 用

単位: mm

呼び	素材径		配管の外径 (参考)
	テーパの場合 (先端径)	ストレートの場合	
1/16-27 NPTF	7.61	7.93	7.938
1/8-27 NPTF	9.95	10.28	10.287
1/4-18 NPTF	13.20	13.71	13.716
3/8-18 NPTF	16.63	17.14	17.145
1/2-14 NPTF	20.7	21.3	21.336
3/4-14 NPTF	26.0	26.6	26.670
1 -11 1/2 NPTF	32.5	33.4	33.401
1 1/4-11 1/2 NPTF	41.3	42.1	42.164

■アメリカ管用平行ねじ (NPSM) 用

単位: mm

呼び	おねじ外径		素材径	配管の外径 (参考)
	Max.	Min.		
1/16-27 NPSM	7.721	7.544	7.59	7.938
1/8-27 NPSM	10.083	9.906	9.95	10.287
1/4-18 NPSM	13.360	13.132	13.19	13.716
3/8-18 NPSM	16.814	16.587	16.64	17.145
1/2-14 NPSM	20.904	20.651	20.7	21.336
3/4-14 NPSM	26.263	26.010	26.1	26.670
1 -11 1/2 NPSM	32.842	32.538	32.6	33.401
1 1/4-11 1/2 NPSM	41.605	41.301	41.4	42.164