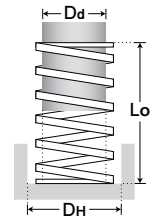


# TJL TOHATSU ISO STANDARD Springs



Model 型号	Hole Diameter 孔径 DH (mm)	Rod Diameter 轴径 Dd (mm)	Free Length 自由长 Lo (mm)	Spring Constant 弹簧常数 R (N/mm)	Free length × 25.0% 3,000,000 cycles 自由长 × 25.0% 300万次		Free length × 30.0% 1,500,000 cycles 自由长 × 30.0% 150万次		Free length × 35.0% 500,000 cycles 自由长 × 35.0% 50万次		Free length × 40.0% 200,000 cycles 自由长 × 40.0% 20万次		Warning 不可使用 (mm)
					Deflection 压缩量 (mm)	Load 负荷 N(kgf)	Deflection 压缩量 (mm)	Load 负荷 N(kgf)	Deflection 压缩量 (mm)	Load 负荷 N(kgf)	Deflection 压缩量 (mm)	Load 负荷 N(kgf)	
TJL10-25	10.0 +0.58mm -0mm	5.0 +0mm -0.58mm	25	12.0	6.3	7.5	9.0	8.8	10.0	10.5			
TJL10-32			32	9.4	8.0	9.6	11.2	11.2	12.8	13.4			
TJL10-38			38	7.9	9.5	11.4	13.3	13.3	15.2	16.0			
TJL10-44			44	6.8	11.0	13.2	15.4	15.4	17.6	18.5			
TJL10-51			51	5.9	12.8	15.3	17.9	17.9	20.4	21.4			
TJL10-64			64	4.7	16.0	19.2	22.4	22.4	25.6	26.9			
TJL10-76			76	3.9	19.0	22.8	26.6	26.6	30.4	31.9			
TJL10-89			89	3.4	22.3	26.7	31.2	31.2	35.6	37.4			
TJL10-102			102	2.9	25.5	30.6	35.7	35.7	40.8	42.8			
TJL10-305			305	1.0	76.3	91.5	106.8	106.8	122.0	128.1			
TJL12.5-25	12.5 +0.7mm -0mm	6.3 +0mm -0.58mm	25	24.0	6.3	7.5	9.0	8.8	10.0	10.5			
TJL12.5-32			32	18.8	8.0	9.6	11.2	11.2	12.8	13.4			
TJL12.5-38			38	15.8	9.5	11.4	13.3	13.3	15.2	16.0			
TJL12.5-44			44	13.6	11.0	13.2	15.4	15.4	17.6	18.5			
TJL12.5-51			51	11.8	12.8	15.3	17.9	17.9	20.4	21.4			
TJL12.5-64			64	9.4	16.0	19.2	22.4	22.4	25.6	26.9			
TJL12.5-76			76	7.9	19.0	22.8	26.6	26.6	30.4	31.9			
TJL12.5-89			89	6.7	22.3	26.7	31.2	31.2	35.6	37.4			
TJL12.5-102			102	5.9	25.5	30.6	35.7	35.7	40.8	42.8			
TJL12.5-115			115	5.2	28.8	34.5	40.3	40.3	46.0	48.3			
TJL12.5-305	305	2.0	76.3	91.5	106.8	106.8	122.0	128.1					
TJL16-25	16.0 +0.7mm -0mm	8.0 +0mm -0.58mm	25	30.0	6.3	7.5	9.0	8.8	10.0	10.5			
TJL16-32			32	23.4	8.0	9.6	11.2	11.2	12.8	13.4			
TJL16-38			38	19.7	9.5	11.4	13.3	13.3	15.2	16.0			
TJL16-44			44	17.0	11.0	13.2	15.4	15.4	17.6	18.5			
TJL16-51			51	14.7	12.8	15.3	17.9	17.9	20.4	21.4			
TJL16-64			64	11.7	16.0	19.2	22.4	22.4	25.6	26.9			
TJL16-76			76	9.9	19.0	22.8	26.6	26.6	30.4	31.9			
TJL16-89			89	8.4	22.3	26.7	31.2	31.2	35.6	37.4			
TJL16-102			102	7.4	25.5	30.6	35.7	35.7	40.8	42.8			
TJL16-115			115	6.5	28.8	34.5	40.3	40.3	46.0	48.3			
TJL16-127	127	5.9	31.8	38.1	44.5	44.5	50.8	53.3					
TJL16-305	305	2.5	76.3	91.5	106.8	106.8	122.0	128.1					
TJL20-25	20.0 +0.84mm -0mm	10.0 +0mm -0.58mm	25	60.0	6.3	7.5	9.0	8.8	10.0	10.5			
TJL20-32			32	46.9	8.0	9.6	11.2	11.2	12.8	13.4			
TJL20-38			38	39.5	9.5	11.4	13.3	13.3	15.2	16.0			
TJL20-44			44	34.1	11.0	13.2	15.4	15.4	17.6	18.5			
TJL20-51			51	29.4	12.8	15.3	17.9	17.9	20.4	21.4			
TJL20-64			64	23.4	16.0	19.2	22.4	22.4	25.6	26.9			
TJL20-76			76	19.7	19.0	22.8	26.6	26.6	30.4	31.9			
TJL20-89			89	16.9	22.3	26.7	31.2	31.2	35.6	37.4			
TJL20-102			102	14.7	25.5	30.6	35.7	35.7	40.8	42.8			
TJL20-115			115	13.0	28.8	34.5	40.3	40.3	46.0	48.3			
TJL20-127	127	11.8	31.8	38.1	44.5	44.5	50.8	53.3					
TJL20-139	139	10.8	34.8	41.7	48.7	48.7	55.6	58.4					
TJL20-152	152	9.9	38.0	45.6	53.2	53.2	60.8	63.8					
TJL20-178	178	8.4	44.5	53.4	62.3	62.3	71.2	74.8					
TJL20-203	203	7.4	50.8	60.9	71.1	71.1	81.2	85.3					
TJL20-305	305	4.9	76.3	91.5	106.8	106.8	122.0	128.1					
TJL25-25	25.0 +0.84mm -0mm	12.5 +0mm -0.7mm	25	90.0	6.3	7.5	9.0	8.8	10.0	10.5			
TJL25-32			32	70.3	8.0	9.6	11.2	11.2	12.8	13.4			
TJL25-38			38	59.2	9.5	11.4	13.3	13.3	15.2	16.0			
TJL25-44			44	51.1	11.0	13.2	15.4	15.4	17.6	18.5			
TJL25-51			51	44.1	12.8	15.3	17.9	17.9	20.4	21.4			
TJL25-64			64	35.2	16.0	19.2	22.4	22.4	25.6	26.9			
TJL25-76			76	29.6	19.0	22.8	26.6	26.6	30.4	31.9			

1N = 0.1daN = 0.102 kg      1mm = 0.0394 in.

Example order 订货例: [TJL] [10] - [25] ([M] [DH] - [Lo])

Model 型号	Hole Diameter 孔径 DH (mm)	Rod Diameter 轴径 Dd (mm)	Free Length 自由长 Lo (mm)	Spring Constant 弹簧常数 R (N/mm)	Free length×25.0% 3,000,000 cycles 自由长×25.0% 300万次		Free length×30.0% 1,500,000 cycles 自由长×30.0% 150万次		Free length×35.0% 500,000 cycles 自由长×35.0% 50万次		Free length×40.0% 200,000 cycles 自由长×40.0% 20万次		Warning Cannot be used 不可使用 (mm)
					Deflection 压缩量 (mm)	Load 负荷 N[kgf]	Deflection 压缩量 (mm)	Load 负荷 N[kgf]	Deflection 压缩量 (mm)	Load 负荷 N[kgf]	Deflection 压缩量 (mm)	Load 负荷 N[kgf]	
TJL25-89	25.0 +0.84mm -0mm	12.5 +0mm -0.7mm	89	25.3	22.3	563	675	788	900	37.4			
TJL25-102			102	22.1	25.5					30.6	35.7	40.8	42.8
TJL25-115			115	19.6	28.8					34.5	40.3	46.0	48.3
TJL25-127			127	17.7	31.8					38.1	44.5	50.8	53.3
TJL25-139			139	16.2	34.8					41.7	48.7	55.6	58.4
TJL25-152			152	14.8	38.0					45.6	53.2	60.8	63.8
TJL25-178			178	12.6	44.5					53.4	62.3	71.2	74.8
TJL25-203			203	11.1	50.8					60.9	71.1	81.2	85.3
TJL25-229			229	9.8	57.3					68.7	80.2	91.6	96.2
TJL25-305			305	7.4	76.3					91.5	106.8	122.0	128.1
TJL32-38	32.0 +1mm -0mm	16.0 +0mm -0.7mm	38	92.1	9.5	875	1,050	1,225	1,400	16.0			
TJL32-44			44	79.5	11.0					13.2	15.4	17.6	18.5
TJL32-51			51	68.6	12.8					15.3	17.9	20.4	21.4
TJL32-64			64	54.7	16.0					19.2	22.4	25.6	26.9
TJL32-76			76	46.1	19.0					22.8	26.6	30.4	31.9
TJL32-89			89	39.3	22.3					26.7	31.2	35.6	37.4
TJL32-102			102	34.3	25.5					30.6	35.7	40.8	42.8
TJL32-115			115	30.4	28.8					34.5	40.3	46.0	48.3
TJL32-127			127	27.6	31.8					38.1	44.5	50.8	53.3
TJL32-139			139	25.2	34.8					41.7	48.7	55.6	58.4
TJL32-152			152	23.0	38.0					45.6	53.2	60.8	63.8
TJL32-178			178	19.7	44.5					53.4	62.3	71.2	74.8
TJL32-203			203	17.2	50.8					60.9	71.1	81.2	85.3
TJL32-229			229	15.3	57.3					68.7	80.2	91.6	96.2
TJL32-254			254	13.8	63.5					76.2	88.9	101.6	106.7
TJL32-305	305	11.5	76.3	91.5	106.8	122.0	128.1						
TJL40-51	40.0 +1mm -0mm	20.0 +0mm -0.84mm	51	98.0	12.8	1,250	1,500	1,750	2,000	21.4			
TJL40-64			64	78.1	16.0					19.2	22.4	25.6	26.9
TJL40-76			76	65.8	19.0					22.8	26.6	30.4	31.9
TJL40-89			89	56.2	22.3					26.7	31.2	35.6	37.4
TJL40-102			102	49.0	25.5					30.6	35.7	40.8	42.8
TJL40-115			115	43.5	28.8					34.5	40.3	46.0	48.3
TJL40-127			127	39.4	31.8					38.1	44.5	50.8	53.3
TJL40-139			139	36.0	34.8					41.7	48.7	55.6	58.4
TJL40-152			152	32.9	38.0					45.6	53.2	60.8	63.8
TJL40-178			178	28.1	44.5					53.4	62.3	71.2	74.8
TJL40-203			203	24.6	50.8					60.9	71.1	81.2	85.3
TJL40-229			229	21.8	57.3					68.7	80.2	91.6	96.2
TJL40-254			254	19.7	63.5					76.2	88.9	101.6	106.7
TJL40-305	305	16.4	76.3	91.5	106.8	122.0	128.1						
TJL50-64	50.0 +1mm -0mm	25.0 +0mm -0.84mm	64	156.3	16.0	2,500	3,000	3,500	4,000	26.9			
TJL50-76			76	131.6	19.0					22.8	26.6	30.4	31.9
TJL50-89			89	112.4	22.3					26.7	31.2	35.6	37.4
TJL50-102			102	98.0	25.5					30.6	35.7	40.8	42.8
TJL50-115			115	87.0	28.8					34.5	40.3	46.0	48.3
TJL50-127			127	78.7	31.8					38.1	44.5	50.8	53.3
TJL50-139			139	71.9	34.8					41.7	48.7	55.6	58.4
TJL50-152			152	65.8	38.0					45.6	53.2	60.8	63.8
TJL50-178			178	56.2	44.5					53.4	62.3	71.2	74.8
TJL50-203			203	49.3	50.8					60.9	71.1	81.2	85.3
TJL50-229			229	43.7	57.3					68.7	80.2	91.6	96.2
TJL50-254			254	39.4	63.5					76.2	88.9	101.6	106.7
TJL50-305	305	32.8	76.3	91.5	106.8	122.0	128.1						
TJL63-76	63.0 +1.2mm -0mm	38.0 +0mm -0.1mm	76	197.4	19.0	3,750	4,500	5,250	6,000	31.9			
TJL63-89			89	168.5	22.3					26.7	31.2	35.6	37.4
TJL63-102			102	147.1	25.5					30.6	35.7	40.8	42.8
TJL63-115			115	130.4	28.8					34.5	40.3	46.0	48.3
TJL63-127			127	118.1	31.8					38.1	44.5	50.8	53.3
TJL63-152			152	98.7	38.0					45.6	53.2	60.8	63.8
TJL63-178			178	84.3	44.5					53.4	62.3	71.2	74.8
TJL63-203			203	73.9	50.8					60.9	71.1	81.2	85.3
TJL63-229			229	65.5	57.3					68.7	80.2	91.6	96.2
TJL63-254			254	59.1	63.5					76.2	88.9	101.6	106.7
TJL63-305	305	49.2	76.3	91.5	106.8	122.0	128.1						

Example order 订货例: [TJL] [10] - [25] ([M] [DH] - [Lo])