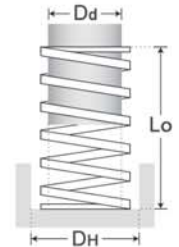




TJL TOHATSU ISO STANDARD springs



Referência	Diam. do Furo (mm)	Diam. do Pino (mm)	Compr. Total (mm)	Constante Elástica (N/mm)	25% do compr. total 3milhões ciclos estimados		30% do compr. total 1,5milhões de ciclos estimados		35% do compr. total 500mil ciclos estimados		40% do compr. total 200mil ciclos estimados		Compressão Total (mm)
					Deflexão	Carga	Deflexão	Carga	Deflexão	Carga	Deflexão	Carga	
TJL10-25	10.0 +0.58mm -0mm	5.0 +0mm -0.58mm	25	12.0	6.3	75	7.5	90	8.8	105	10.0	120	10.5
TJL10-32			32	9.4	8.0		9.6		11.2		12.8		13.4
TJL10-38			38	7.9	9.5		11.4		13.3		15.2		16.0
TJL10-44			44	6.8	11.0		13.2		15.4		17.6		18.5
TJL10-51			51	5.9	12.8		15.3		17.9		20.4		21.4
TJL10-64			64	4.7	16.0		19.2		22.4		25.6		26.9
TJL10-76			76	3.9	19.0		22.8		26.6		30.4		31.9
TJL10-89			89	3.4	22.3		26.7		31.2		35.6		37.4
TJL10-102			102	2.9	25.5		30.6		35.7		40.8		42.8
TJL10-305			305	1.0	76.3		91.5		106.8		122.0		128.1
TJL12.5-25	12.5 +0.7mm -0mm	6.3 +0mm -0.58mm	25	24.0	6.3	150	7.5	180	8.8	210	10.0	240	10.5
TJL12.5-32			32	18.8	8.0		9.6		11.2		12.8		13.4
TJL12.5-38			38	15.8	9.5		11.4		13.3		15.2		16.0
TJL12.5-44			44	13.6	11.0		13.2		15.4		17.6		18.5
TJL12.5-51			51	11.8	12.8		15.3		17.9		20.4		21.4
TJL12.5-64			64	9.4	16.0		19.2		22.4		25.6		26.9
TJL12.5-76			76	7.9	19.0		22.8		26.6		30.4		31.9
TJL12.5-89			89	6.7	22.3		26.7		31.2		35.6		37.4
TJL12.5-102			102	5.9	25.5		30.6		35.7		40.8		42.8
TJL12.5-115			115	5.2	28.8		34.5		40.3		46.0		48.3
TJL12.5-305	305	2.0	76.3	91.5	106.8	122.0	128.1						
TJL16-25	16.0 +0.7mm -0mm	8.0 +0mm -0.58mm	25	30.0	6.3	188	7.5	225	8.8	263	10.0	300	10.5
TJL16-32			32	23.4	8.0		9.6		11.2		12.8		13.4
TJL16-38			38	19.7	9.5		11.4		13.3		15.2		16.0
TJL16-44			44	17.0	11.0		13.2		15.4		17.6		18.5
TJL16-51			51	14.7	12.8		15.3		17.9		20.4		21.4
TJL16-64			64	11.7	16.0		19.2		22.4		25.6		26.9
TJL16-76			76	9.9	19.0		22.8		26.6		30.4		31.9
TJL16-89			89	8.4	22.3		26.7		31.2		35.6		37.4
TJL16-102			102	7.4	25.5		30.6		35.7		40.8		42.8
TJL16-115			115	6.5	28.8		34.5		40.3		46.0		48.3
TJL16-127			127	5.9	31.8		38.1		44.5		50.8		53.3
TJL16-305			305	2.5	76.3		91.5		106.8		122.0		128.1
TJL20-25			20.0 +0.84mm -0mm	10.0 +0mm -0.58mm	25		60.0		6.3		375		7.5
TJL20-32	32	46.9			8.0	9.6	11.2	12.8	13.4				
TJL20-38	38	39.5			9.5	11.4	13.3	15.2	16.0				
TJL20-44	44	34.1			11.0	13.2	15.4	17.6	18.5				
TJL20-51	51	29.4			12.8	15.3	17.9	20.4	21.4				
TJL20-64	64	23.4			16.0	19.2	22.4	25.6	26.9				
TJL20-76	76	19.7			19.0	22.8	26.6	30.4	31.9				
TJL20-89	89	16.9			22.3	26.7	31.2	35.6	37.4				
TJL20-102	102	14.7			25.5	30.6	35.7	40.8	42.8				
TJL20-115	115	13.0			28.8	34.5	40.3	46.0	48.3				
TJL20-127	127	11.8			31.8	38.1	44.5	50.8	53.3				
TJL20-139	139	10.8			34.8	41.7	48.7	55.6	58.4				
TJL20-152	152	9.9			38.0	45.6	53.2	60.8	63.8				
TJL20-178	178	8.4			44.5	53.4	62.3	71.2	74.8				
TJL20-203	203	7.4			50.8	60.9	71.1	81.2	85.3				
TJL20-305	305	4.9	76.3	91.5	106.8	122.0	128.1						
TJL25-25	25.0 +0.84mm -0mm	12.5 +0mm -0.7mm	25	90.0	6.3	563	7.5	675	8.8	788	10.0	900	10.5
TJL25-32			32	70.3	8.0		9.6		11.2		12.8		13.4
TJL25-38			38	59.2	9.5		11.4		13.3		15.2		16.0
TJL25-44			44	51.1	11.0		13.2		15.4		17.6		18.5
TJL25-51			51	44.1	12.8		15.3		17.9		20.4		21.4
TJL25-64			64	35.2	16.0		19.2		22.4		25.6		26.9
TJL25-76			76	29.6	19.0		22.8		26.6		30.4		31.9

Referência	Diam. do Furo (mm)	Diam. do Pino (mm)	Compr. Total (mm)	Constante Elástica (N/mm)	25% do compr. total 3milhões ciclos estimados		30% do compr. total 1,5milhões de ciclos estimados		35% do compr. total 500mil ciclos estimados		40% do compr. total 200mil ciclos estimados		Compressão Total (mm)						
					Deflexão	Carga	Deflexão	Carga	Deflexão	Carga	Deflexão	Carga							
TJL25-89	25.0 +0.84mm -0mm	12.5 +0mm -0.7mm	89	25.3	22.3	563	26.7	675	31.2	788	35.6	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	11.4	1,050	13.3	1,225	15.2	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	15.3	1,500	17.9	1,750	20.4	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		19.2	3,000	22.4	3,500	25.6	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	22.8	4,500		26.6	5,250		30.4		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								