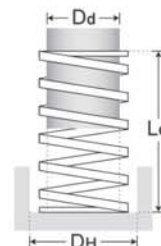




TJM TOHATSU ISO STANDARD springs



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		33.75% do compr. total 500mil ciclos estimados		37.5% do compr. total 200mil ciclos estimados		Compressão Total (mm)
					Deflexão	Carga	Deflexão	Carga	Deflexão	Carga	Deflexão	Carga	
TJM10-25	10.0 +0.58mm -0mm	5.0 +0mm -0.58mm	25	18.1	6.3	113	7.5	136	8.4	153	9.4	170	9.9
TJM10-32			32	14.2	8.0		9.6		10.8		12.0		12.6
TJM10-38			38	11.9	9.5		11.4		12.8		14.3		15.0
TJM10-44			44	10.3	11.0		13.2		14.9		16.5		17.4
TJM10-51			51	8.9	12.8		15.3		17.2		19.1		20.1
TJM10-64			64	7.1	16.0		19.2		21.6		24.0		25.3
TJM10-76			76	6.0	19.0		22.8		25.7		28.5		30.0
TJM10-89			89	5.1	22.3		26.7		30.0		33.4		35.2
TJM10-102			102	4.4	25.5		30.6		34.4		38.3		40.3
TJM10-305			305	1.5	76.3		91.5		102.9		114.4		120.5
TJM12.5-25	12.5 +0.7mm -0mm	6.3 +0mm -0.58mm	25	32.0	6.3	200	7.5	240	8.4	270	9.4	300	9.9
TJM12.5-32			32	25.0	8.0		9.6		10.8		12.0		12.6
TJM12.5-38			38	21.1	9.5		11.4		12.8		14.3		15.0
TJM12.5-44			44	18.2	11.0		13.2		14.9		16.5		17.4
TJM12.5-51			51	15.7	12.8		15.3		17.2		19.1		20.1
TJM12.5-64			64	12.5	16.0		19.2		21.6		24.0		25.3
TJM12.5-76			76	10.5	19.0		22.8		25.7		28.5		30.0
TJM12.5-89			89	9.0	22.3		26.7		30.0		33.4		35.2
TJM12.5-102			102	7.8	25.5		30.6		34.4		38.3		40.3
TJM12.5-115			115	7.0	28.8		34.5		38.8		43.1		45.4
TJM12.5-305	305	2.6	76.3	91.5	102.9	114.4	120.5						
TJM16-25	16.0 +0.7mm -0mm	8.0 +0mm -0.58mm	25	53.3	6.3	333	7.5	400	8.4	450	9.4	500	9.9
TJM16-32			32	41.7	8.0		9.6		10.8		12.0		12.6
TJM16-38			38	35.1	9.5		11.4		12.8		14.3		15.0
TJM16-44			44	30.3	11.0		13.2		14.9		16.5		17.4
TJM16-51			51	26.1	12.8		15.3		17.2		19.1		20.1
TJM16-64			64	20.8	16.0		19.2		21.6		24.0		25.3
TJM16-76			76	17.5	19.0		22.8		25.7		28.5		30.0
TJM16-89			89	15.0	22.3		26.7		30.0		33.4		35.2
TJM16-102			102	13.1	25.5		30.6		34.4		38.3		40.3
TJM16-115			115	11.6	28.8		34.5		38.8		43.1		45.4
TJM16-127	127	10.5	31.8	38.1	42.9	47.6	50.2						
TJM16-305	305	4.4	76.3	91.5	102.9	114.4	120.5						
TJM20-25	20.0 +0.84mm -0mm	10.0 +0mm -0.58mm	25	85.3	6.3	533	7.5	640	8.4	720	9.4	800	9.9
TJM20-32			32	66.7	8.0		9.6		10.8		12.0		12.6
TJM20-38			38	56.1	9.5		11.4		12.8		14.3		15.0
TJM20-44			44	48.5	11.0		13.2		14.9		16.5		17.4
TJM20-51			51	41.8	12.8		15.3		17.2		19.1		20.1
TJM20-64			64	33.3	16.0		19.2		21.6		24.0		25.3
TJM20-76			76	28.1	19.0		22.8		25.7		28.5		30.0
TJM20-89			89	24.0	22.3		26.7		30.0		33.4		35.2
TJM20-102			102	20.9	25.5		30.6		34.4		38.3		40.3
TJM20-115			115	18.6	28.8		34.5		38.8		43.1		45.4
TJM20-127			127	16.8	31.8		38.1		42.9		47.6		50.2
TJM20-139			139	15.3	34.8		41.7		46.9		52.1		54.9
TJM20-152			152	14.0	38.0		45.6		51.3		57.0		60.0
TJM20-178			178	12.0	44.5		53.4		60.1		66.8		70.3
TJM20-203			203	10.5	50.8		60.9		68.5		76.1		80.2
TJM20-305	305	7.0	76.3	91.5	102.9	114.4	120.5						
TJM25-25	25.0 +0.84mm -0mm	12.5 +0mm -0.7mm	25	128.0	6.3	800	7.5	960	8.4	1,080	9.4	1,200	9.9
TJM25-32			32	100.0	8.0		9.6		10.8		12.0		12.6
TJM25-38			38	84.2	9.5		11.4		12.8		14.3		15.0
TJM25-44			44	72.7	11.0		13.2		14.9		16.5		17.4
TJM25-51			51	62.7	12.8		15.3		17.2		19.1		20.1
TJM25-64			64	50.0	16.0		19.2		21.6		24.0		25.3
TJM25-76			76	42.1	19.0		22.8		25.7		28.5		30.0

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		33.75% do compr. total 500mil ciclos estimados		37.5% do compr. total 200mil ciclos estimados		Compressão Total (mm)						
					Deflexão	Carga	Deflexão	Carga	Deflexão	Carga	Deflexão	Carga							
TJM25-89	25.0 +0.84mm -0mm	12.5 +0mm -0.7mm	89	36.0	22.3	800	26.7	960	30.0	1,080	33.4	1,200	35.2						
TJM25-102			102	31.4	25.5		30.6		34.4		38.3		40.3						
TJM25-115			115	27.8	28.8		34.5		38.8		43.1		45.4						
TJM25-127			127	25.2	31.8		38.1		42.9		47.6		50.2						
TJM25-139			139	23.0	34.8		41.7		46.9		52.1		54.9						
TJM25-152			152	21.1	38.0		45.6		51.3		57.0		60.0						
TJM25-178			178	18.0	44.5		53.4		60.1		66.8		70.3						
TJM25-203			203	15.8	50.8		60.9		68.5		76.1		80.2						
TJM25-229			229	14.0	57.3		68.7		77.3		85.9		90.5						
TJM25-305			305	10.5	76.3		91.5		102.9		114.4		120.5						
TJM32-38	32.0 +1mm -0mm	16.0 +0mm -0.7mm	38	154.4	9.5	1,467	11.4	1,760	12.8	1,980	14.3	2,200	15.0						
TJM32-44			44	133.3	11.0		13.2		14.9		16.5		17.4						
TJM32-51			51	115.0	12.8		15.3		17.2		19.1		20.1						
TJM32-64			64	91.7	16.0		19.2		21.6		24.0		25.3						
TJM32-76			76	77.2	19.0		22.8		25.7		28.5		30.0						
TJM32-89			89	65.9	22.3		26.7		30.0		33.4		35.2						
TJM32-102			102	57.5	25.5		30.6		34.4		38.3		40.3						
TJM32-115			115	51.0	28.8		34.5		38.8		43.1		45.4						
TJM32-127			127	46.2	31.8		38.1		42.9		47.6		50.2						
TJM32-139			139	42.2	34.8		41.7		46.9		52.1		54.9						
TJM32-152			152	38.6	38.0		45.6		51.3		57.0		60.0						
TJM32-178			178	33.0	44.5		53.4		60.1		66.8		70.3						
TJM32-203			203	28.9	50.8		60.9		68.5		76.1		80.2						
TJM32-229			229	25.6	57.3		68.7		77.3		85.9		90.5						
TJM32-254			254	23.1	63.5		76.2		85.7		95.3		100.3						
TJM32-305	305	19.2	76.3	91.5	102.9	114.4	120.5												
TJM40-51	40.0 +1mm -0mm	20.0 +0mm -0.84mm	51	156.9	12.8	2,000	15.3	2,400	17.2	2,700	19.1	3,000	20.1						
TJM40-64			64	125.0	16.0		19.2		21.6		24.0		25.3						
TJM40-76			76	105.3	19.0		22.8		25.7		28.5		30.0						
TJM40-89			89	89.9	22.3		26.7		30.0		33.4		35.2						
TJM40-102			102	78.4	25.5		30.6		34.4		38.3		40.3						
TJM40-115			115	69.6	28.8		34.5		38.8		43.1		45.4						
TJM40-127			127	63.0	31.8		38.1		42.9		47.6		50.2						
TJM40-139			139	57.6	34.8		41.7		46.9		52.1		54.9						
TJM40-152			152	52.6	38.0		45.6		51.3		57.0		60.0						
TJM40-178			178	44.9	44.5		53.4		60.1		66.8		70.3						
TJM40-203			203	39.4	50.8		60.9		68.5		76.1		80.2						
TJM40-229			229	34.9	57.3		68.7		77.3		85.9		90.5						
TJM40-254			254	31.5	63.5		76.2		85.7		95.3		100.3						
TJM40-305			305	26.2	76.3		91.5		102.9		114.4		120.5						
TJM50-64			50.0 +1mm -0mm	25.0 +0mm -0.84mm	64		208.3		16.0		3,333		19.2	4,000	21.6	4,500	24.0	5,000	25.3
TJM50-76	76	175.4			19.0	22.8	25.7	28.5	30.0										
TJM50-89	89	149.8			22.3	26.7	30.0	33.4	35.2										
TJM50-102	102	130.7			25.5	30.6	34.4	38.3	40.3										
TJM50-115	115	115.9			28.8	34.5	38.8	43.1	45.4										
TJM50-127	127	105.0			31.8	38.1	42.9	47.6	50.2										
TJM50-139	139	95.9			34.8	41.7	46.9	52.1	54.9										
TJM50-152	152	87.7			38.0	45.6	51.3	57.0	60.0										
TJM50-178	178	74.9			44.5	53.4	60.1	66.8	70.3										
TJM50-203	203	65.7			50.8	60.9	68.5	76.1	80.2										
TJM50-229	229	58.2			57.3	68.7	77.3	85.9	90.5										
TJM50-254	254	52.5			63.5	76.2	85.7	95.3	100.3										
TJM50-305	305	43.7			76.3	91.5	102.9	114.4	120.5										
TJM63-76	63.0 +1.2mm -0mm	38.0 +0mm -0.1mm			76	280.7	19.0	5,333	22.8	6,400		25.7	7,200		28.5		8,000		30.0
TJM63-89					89	239.7	22.3		26.7			30.0			33.4				35.2
TJM63-102			102	209.2	25.5	30.6	34.4		38.3		40.3								
TJM63-115			115	185.5	28.8	34.5	38.8		43.1		45.4								
TJM63-127			127	168.0	31.8	38.1	42.9		47.6		50.2								
TJM63-152			152	140.4	38.0	45.6	51.3		57.0		60.0								
TJM63-178			178	119.9	44.5	53.4	60.1		66.8		70.3								
TJM63-203			203	105.1	50.8	60.9	68.5		76.1		80.2								
TJM63-229			229	93.2	57.3	68.7	77.3		85.9		90.5								
TJM63-254			254	84.0	63.5	76.2	85.7		95.3		100.3								
TJM63-305			305	69.9	76.3	91.5	102.9		114.4		120.5								