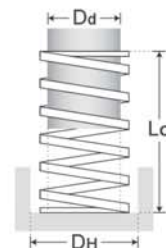
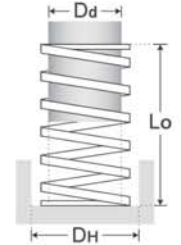


TJB TOHATSU ISO STANDARD springs



Referência	Diam. do Furo (mm)	Diam. do Pino (mm)	Compr. Total (mm)	Constante Elástica (N/mm)	17% do compr. total 3 milhões ciclos estimados		20% do compr. total 1,5 milhões de ciclos estimados		22.5% do compr. total 500 mil ciclos estimados		25% do compr. total 200 mil ciclos estimados		Compressão Total (mm)
					Deflexão	Carga	Deflexão	Carga	Deflexão	Carga	Deflexão	Carga	
TJB10-25	10.0 +0.58mm -0mm	5.0 +0mm -0.58mm	25	36.8	4.3	156	5.0	184	5.6	207	6.3	230	6.8
TJB10-32			32	28.8	5.4		6.4		7.2		8.0		8.6
TJB10-38			38	24.2	6.5		7.6		8.6		9.5		10.3
TJB10-44			44	20.9	7.5		8.8		9.9		11.0		11.9
TJB10-51			51	18.0	8.7		10.2		11.5		12.8		13.8
TJB10-64			64	14.4	10.9		12.8		14.4		16.0		17.3
TJB10-76			76	12.1	12.9		15.2		17.1		19.0		20.5
TJB10-89			89	10.3	15.1		17.8		20.0		22.3		24.0
TJB10-102			102	9.0	17.3		20.4		23.0		25.5		27.5
TJB10-305			305	3.0	51.9		61.0		68.6		76.3		82.4
TJB12.5-25	12.5 +0.7mm -0mm	6.3 +0mm -0.58mm	25	57.6	4.3	245	5.0	288	5.6	324	6.3	360	6.8
TJB12.5-32			32	45.0	5.4		6.4		7.2		8.0		8.6
TJB12.5-38			38	37.9	6.5		7.6		8.6		9.5		10.3
TJB12.5-44			44	32.7	7.5		8.8		9.9		11.0		11.9
TJB12.5-51			51	28.2	8.7		10.2		11.5		12.8		13.8
TJB12.5-64			64	22.5	10.9		12.8		14.4		16.0		17.3
TJB12.5-76			76	18.9	12.9		15.2		17.1		19.0		20.5
TJB12.5-89			89	16.2	15.1		17.8		20.0		22.3		24.0
TJB12.5-102			102	14.1	17.3		20.4		23.0		25.5		27.5
TJB12.5-115			115	12.5	19.6		23.0		25.9		28.8		31.1
TJB12.5-305	305	4.7	51.9	61.0	68.6	76.3	82.4						
TJB16-25	16.0 +0.7mm -0mm	8.0 +0mm -0.58mm	25	112.0	4.3	476	5.0	560	5.6	630	6.3	700	6.8
TJB16-32			32	87.5	5.4		6.4		7.2		8.0		8.6
TJB16-38			38	73.7	6.5		7.6		8.6		9.5		10.3
TJB16-44			44	63.6	7.5		8.8		9.9		11.0		11.9
TJB16-51			51	54.9	8.7		10.2		11.5		12.8		13.8
TJB16-64			64	43.8	10.9		12.8		14.4		16.0		17.3
TJB16-76			76	36.8	12.9		15.2		17.1		19.0		20.5
TJB16-89			89	31.5	15.1		17.8		20.0		22.3		24.0
TJB16-102			102	27.5	17.3		20.4		23.0		25.5		27.5
TJB16-115			115	24.3	19.6		23.0		25.9		28.8		31.1
TJB16-127	127	22.0	21.6	25.4	28.6	31.8	34.3						
TJB16-305	305	9.2	51.9	61.0	68.6	76.3	82.4						
TJB20-25	20.0 +0.84mm -0mm	10.0 +0mm -0.58mm	25	240.0	4.3	1,020	5.0	1,200	5.6	1,350	6.3	1,500	6.8
TJB20-32			32	187.5	5.4		6.4		7.2		8.0		8.6
TJB20-38			38	157.9	6.5		7.6		8.6		9.5		10.3
TJB20-44			44	136.4	7.5		8.8		9.9		11.0		11.9
TJB20-51			51	117.6	8.7		10.2		11.5		12.8		13.8
TJB20-64			64	93.8	10.9		12.8		14.4		16.0		17.3
TJB20-76			76	78.9	12.9		15.2		17.1		19.0		20.5
TJB20-89			89	67.4	15.1		17.8		20.0		22.3		24.0
TJB20-102			102	58.8	17.3		20.4		23.0		25.5		27.5
TJB20-115			115	52.2	19.6		23.0		25.9		28.8		31.1
TJB20-127	127	47.2	21.6	25.4	28.6	31.8	34.3						
TJB20-139	139	43.2	23.6	27.8	31.3	34.8	37.5						
TJB20-152	152	39.5	25.8	30.4	34.2	38.0	41.0						
TJB20-178	178	33.7	30.3	35.6	40.1	44.5	48.1						
TJB20-203	203	29.6	34.5	40.6	45.7	50.8	54.8						
TJB20-305	305	19.7	51.9	61.0	68.6	76.3	82.4						
TJB25-32	25.0 +0.84mm -0mm	12.5 +0mm -0.7mm	32	312.5	5.4	1,700	6.4	2,000	7.2	2,250	8.0	2,500	8.6
TJB25-38			38	263.2	6.5		7.6		8.6		9.5		10.3
TJB25-44			44	227.3	7.5		8.8		9.9		11.0		11.9
TJB25-51			51	196.1	8.7		10.2		11.5		12.8		13.8
TJB25-64			64	156.3	10.9		12.8		14.4		16.0		17.3
TJB25-76			76	131.6	12.9		15.2		17.1		19.0		20.5
TJB25-89			89	112.4	15.1		17.8		20.0		22.3		24.0
TJB25-102			102	98.0	17.3		20.4		23.0		25.5		27.5

TJB TOHATSU ISO STANDARD springs



Referência	Diam. do Furo (mm)	Diam. do Pino (mm)	Compr. Total (mm)	Constante Elástica (N/mm)	17% do compr. total 3 milhões ciclos estimados		20% do compr. total 1,5 milhões de ciclos estimados		22.5% do compr. total 500 mil ciclos estimados		25% do compr. total 200 mil ciclos estimados		Compressão Total (mm)
					Deflexão	Carga	Deflexão	Carga	Deflexão	Carga	Deflexão	Carga	
TJB25-115	25.0 +0.84mm -0mm	12.5 +0mm -0.7mm	115	87.0	19.6	1,700	23.0	2,000	25.9	2,250	28.8	2,500	31.1
TJB25-127			127	78.7	21.6		25.4		28.6		31.8		34.3
TJB25-139			139	71.9	23.6		27.8		31.3		34.8		37.5
TJB25-152			152	65.8	25.8		30.4		34.2		38.0		41.0
TJB25-178			178	56.2	30.3		35.6		40.1		44.5		48.1
TJB25-203			203	49.3	34.5		40.6		45.7		50.8		54.8
TJB25-229			229	43.7	38.9		45.8		51.5		57.3		61.8
TJB25-305			305	32.8	51.9		61.0		68.6		76.3		82.4
TJB32-38	32.0 +1mm -0mm	16.0 +0mm -0.7mm	38	421.1	6.5	2,720	7.6	3,200	8.6	3,600	9.5	4,000	10.3
TJB32-44			44	363.6	7.5		8.8		9.9		11.0		11.9
TJB32-51			51	313.7	8.7		10.2		11.5		12.8		13.8
TJB32-64			64	250.0	10.9		12.8		14.4		16.0		17.3
TJB32-76			76	210.5	12.9		15.2		17.1		19.0		20.5
TJB32-89			89	179.8	15.1		17.8		20.0		22.3		24.0
TJB32-102			102	156.9	17.3		20.4		23.0		25.5		27.5
TJB32-115			115	139.1	19.6		23.0		25.9		28.8		31.1
TJB32-127			127	126.0	21.6		25.4		28.6		31.8		34.3
TJB32-139			139	115.1	23.6		27.8		31.3		34.8		37.5
TJB32-152			152	105.3	25.8		30.4		34.2		38.0		41.0
TJB32-178			178	89.9	30.3		35.6		40.1		44.5		48.1
TJB32-203			203	78.8	34.5		40.6		45.7		50.8		54.8
TJB32-229			229	69.9	38.9		45.8		51.5		57.3		61.8
TJB32-254			254	63.0	43.2		50.8		57.2		63.5		68.6
TJB32-305	305	52.5	51.9	61.0	68.6	76.3	82.4						
TJB40-51	40.0 +1mm -0mm	20.0 +0mm -0.84mm	51	509.8	8.7	4,420	10.2	5,200	11.5	5,850	12.8	6,500	13.8
TJB40-64			64	406.3	10.9		12.8		14.4		16.0		17.3
TJB40-76			76	342.1	12.9		15.2		17.1		19.0		20.5
TJB40-89			89	292.1	15.1		17.8		20.0		22.3		24.0
TJB40-102			102	254.9	17.3		20.4		23.0		25.5		27.5
TJB40-115			115	226.1	19.6		23.0		25.9		28.8		31.1
TJB40-127			127	204.7	21.6		25.4		28.6		31.8		34.3
TJB40-139			139	187.1	23.6		27.8		31.3		34.8		37.5
TJB40-152			152	171.1	25.8		30.4		34.2		38.0		41.0
TJB40-178			178	146.1	30.3		35.6		40.1		44.5		48.1
TJB40-203			203	128.1	34.5		40.6		45.7		50.8		54.8
TJB40-229			229	113.5	38.9		45.8		51.5		57.3		61.8
TJB40-254			254	102.4	43.2		50.8		57.2		63.5		68.6
TJB40-305			305	85.2	51.9		61.0		68.6		76.3		82.4
TJB50-64			50.0 +1mm -0mm	25.0 +0mm -0.84mm	64		625.0		10.9		6,800		12.8
TJB50-76	76	526.3			12.9	15.2	17.1	19.0	20.5				
TJB50-89	89	449.4			15.1	17.8	20.0	22.3	24.0				
TJB50-102	102	392.2			17.3	20.4	23.0	25.5	27.5				
TJB50-115	115	347.8			19.6	23.0	25.9	28.8	31.1				
TJB50-127	127	315.0			21.6	25.4	28.6	31.8	34.3				
TJB50-139	139	287.8			23.6	27.8	31.3	34.8	37.5				
TJB50-152	152	263.2			25.8	30.4	34.2	38.0	41.0				
TJB50-178	178	224.7			30.3	35.6	40.1	44.5	48.1				
TJB50-203	203	197.0			34.5	40.6	45.7	50.8	54.8				
TJB50-229	229	174.7			38.9	45.8	51.5	57.3	61.8				
TJB50-254	254	157.5			43.2	50.8	57.2	63.5	68.6				
TJB50-305	305	131.1			51.9	61.0	68.6	76.3	82.4				

Referência	Diam. do Furo (mm)	Diam. do Pino (mm)	Compr. Total (mm)	Constante Elástica (N/mm)	17% do compr. total 3 milhões ciclos estimados		20% do compr. total 1,5 milhões de ciclos estimados		22.5% do compr. total 500mil ciclos estimados		25% do compr. total 200mil ciclos estimados		Compressão Total (mm)
					Deflexão	Carga	Deflexão	Carga	Deflexão	Carga	Deflexão	Carga	
TJB63-76	63.0 +1.2mm -0mm	38.0 +0mm -0.1mm	76	842.1	12.9		15.2		17.1		*	*	18.6
TJB63-89			89	719.1	15.1		17.8		20.0		*	*	21.8
TJB63-102			102	627.5	17.3		20.4		23.0		25.5		27.5
TJB63-115			115	556.5	19.6		23.0		25.9		28.8		31.1
TJB63-127			127	503.9	21.6		25.4		28.6		31.8		34.3
TJB63-152			152	421.1	25.8	10,880	30.4	12,800	34.2	14,400	38.0	16,000	41.0
TJB63-178			178	359.6	30.3		35.6		40.1		44.5		48.1
TJB63-203			203	315.3	34.5		40.6		45.7		50.8		54.8
TJB63-229			229	279.5	38.9		45.8		51.5		57.3		61.8
TJB63-254			254	252.0	43.2		50.8		57.2		63.5		68.6
TJB63-305	305	209.8	51.9		61.0		68.6		76.3		82.4		