

Tension Spring ▶ Heavy Load Type



Please order according to the diagram

①~③ Select the type and parameters in the order of for ordering.

Model (●Code) — ●D — ●L
BVAWT — D3 — L10



Discounted Price

Quantity 1~9 10~
Price 100% Separate Quotation

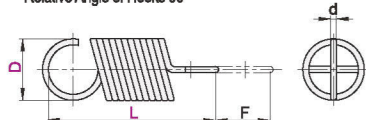
Price Excluding Tax (Yen)



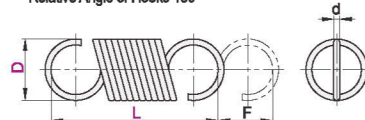
CAD 3D

Code	Type	Material		Surface Treatment	Relative Angle of Hooks
		International	Equivalent		
BVAWT	Heavy Load Type Standard Type	Spring steel	SWP-A	Black Oxide Finish	90°
BVAUT		0Cr18Ni9	SUS304-WPB	—	
BVBWT		Spring steel	SWP-A	Black Oxide Finish	180°
BVBUT		0Cr18Ni9	SUS304-WPB	—	

Relative Angle of Hooks 90°



Relative Angle of Hooks 180°



Model			During Dynamic Load			Initial Tension (N)	Spring Constant N/mm
Code	D	L	Wire Diameter d	Maximum Displacement Fmax	Maximum Load N		
BVAWT BVAUT BVBWT BVBUT	3	10*	0.5	2.0	8.8	2.16	3.24
		15*		3.7			1.77
		20		5.2			1.27
		25*		6.8			0.98
		30		8.5			0.78
		15*		4.0			2.16
	4	20*	0.6	6.4	11.1	2.55	1.37
		25		8.4			0.98
		30		10.9			0.78
		35		12.4			0.69
		40		15.0			0.57
		15*		2.9			5.39
	5	20*	0.8	4.6	20.79	5.1	3.43
		25*		6.4			2.45
		30*		8.4			1.86
		35*		10.0			1.57
		40		11.4			1.38
		45		13.3			1.18
	6	50	1.0	15.2	33.15	8.6	1.03
		20*		3.7			6.57
		25*		5.3			4.61
		30*		6.9			3.53
		35*		8.3			2.94
		40*		10.0			2.45
	8	45	1.2	10.8	41.19	9.81	2.27
		50		12.5			1.96
		55*		14.3			1.71
		60		15.6			1.57
		25*		5.3			5.88
		30*		7.3			4.31
	10	35*	1.6	9.1	77.47	20.59	3.43
		40*		11.9			2.65
		45		13.6			2.35
		50*		15.5			2.06
		55		16.8			1.87
		60*		18.8			1.67
	12	65	2.0	20.6	120.62	34.3	1.52
		70		22.8			1.38
		30*		5.2			10.89
		35*		6.8			8.34
		40*		8.4			6.77
		45*		10.0			5.69

Model			During Dynamic Load			Initial Tension (N)	Spring Constant N/mm
Code	D	L	Wire Diameter d	Maximum Displacement Fmax	Maximum Load N		
BVBWT	14	40	2.3	5.8	154.95	45.11	19.02
		45		7.0			15.59
		50		8.4			13.14
		55		9.6			11.47
		60		10.9			10.10
		65		12.9			8.53
	16	70	2.6	14.2	195.15	55.9	7.75
		75		15.3			7.16
		80		16.7			6.57
		90		18.6			5.91
		100		21.1			5.21
		125		28.0			3.92
	18	50	2.9	7.5	236.34	68.65	18.63
		55		9.0			15.49
		60		10.4			13.34
		65		11.9			11.67
		70		13.4			10.40
		75		15.0			9.32
	20	80	3.2	16.5	281.45	82.38	8.43
		90		19.4			7.16
		100		22.4			6.18
		125		28.4			4.90
		150		35.5			3.92
		55		8.3			20.10
	24	60	4.0	10.0	430.51	123.6	16.67
		65		11.6			14.71
		70		12.5			13.44
		75		14.1			11.77
		80		15.8			10.79
		90		18.4			9.12
		100		21.6			7.75
		125		27.1			6.19
		150		34.2			4.90
		60		9.2			21.57
		70		11.9			16.67
		80		14.7			13.53
		90		17.5			11.38
		100		20.1			9.90
		125		27.8			7.16
		150		33.8			5.89
		175		40.6			4.90
		80		11.7			26.48
		90		13.7			22.46
		100		16.6			18.63
		125		22.5			13.63
		150		28.5			10.79
		175		34.4			8.92
		200		41.2			7.45