

Tension Spring ▶ Light Load Type



Please order according to the diagram

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

Model (①Code)

BVAWY

— ②D

D2

— ③L

L10



Discounted Price

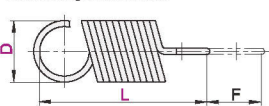
Quantity 1~9 10~
Price 100% Separate Quotation

Price Excluding Tax (¥/unit)

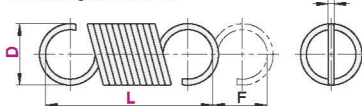


Code	Type		Material		Surface Treatment	Relative Angle of Hooks
			International	Equivalent		
BVAWY	Light Load Type	Standard Type	Spring steel	SWP-A	Black Oxide Finish	90°
BVAUY			0Cr18Ni9	SUS304-WPB	—	
BVBWY			Spring steel	SWP-A	Black Oxide Finish	180°
BVBUY			0Cr18Ni9	SUS304-WPB	—	

Relative Angle of Hooks 90°



Relative Angle of Hooks 180°



Model			Wire Diameter d	During Dynamic Load		Initial Tension (N)	Spring Constant N/mm
Code	D	L		Maximum Displacement Fmax	Maximum Load N		
BVBWY BVBUY	2	10	0.25	5.7	1.86	0.34	0.27
		15		10.3			0.15
		20		14			0.11
		25		18.2			0.08
		30		22.1			0.07
		10*		8.7			0.23
	3	15*	0.3	16.6	2.25	0.29	0.12
		20*		25			0.08
		25*		33.3			0.06
		30		40			0.05
		15*		10			0.26
		20*		16.8			0.16
BVAWY BVAUY BVBWY BVBUY	4	25*	0.4	22.5	3.24	0.59	0.12
		30*		28.4			0.09
		35*		33.7			0.08
		40*		38.5			0.07
		15*		6.8			0.49
		20*		11.7			0.28
	5	25*	0.5	17	4.22	0.88	0.2
		30*		21.2			0.16
		35		26.1			0.13
		40*		34			0.1
		45*		37.7			0.09
		50		42.5			0.08
	6	20*	0.6	14	8.14	1.27	0.49
		25*		21.2			0.32
		30*		28			0.25
		35*		35			0.2
		40*		41.1			0.17
		45*		50			0.14
BVBWY BVBUY	8	50	0.8	53.8	12.75	2.35	0.13
		55		63.6			0.11
		60		70			0.1
		25*		15.1			0.69
		30*		21.2			0.49
		35*		26.5			0.39
	10	40*	1	33.1	15	3.73	0.31
		45		39.2			0.26
		50		46			0.23
		55		48.1			0.22
		60		53			0.2
		65		58.8			0.18

Model			Wire Diameter d	During Dynamic Load		Initial Tension (N)	Spring Constant N/mm
Code	D	L		Maximum Displacement Fmax	Maximum Load N		
BVAWY BVAUY BVBWY BVBUY	12	35	1.2	22	31.37	5.39	1.18
		40		27.8			0.93
		45		35.3			0.74
		50		42			0.62
		55		50			0.52
		60		55.2			0.47
	14	65	1.5	63	38.24	8.43	0.41
		70		69.7			0.37
		75		77.9			0.33
		80		82.8			0.31
		90		91.3			0.29
		100		106			0.25
BVBWY BVBUY	16	40	1.6 (BVBWY) 1.7 (BVBUY)	15.4	43.15	9.12	1.94
		45		21			1.42
		50		25.4			1.17
		55		30.8			0.97
		60		37			0.8
		65		43.2			0.69
	18	70	1.8	46.2	52.96	9.81	0.64
		75		52.8			0.56
		80		58.3			0.51
		90		68.1			0.43
		100		76.4			0.39
		125		91			0.33
BVBWY	20	45	2	15.8	78.45	12.75	2.16
		50		21			1.62
		55		25.7			1.32
		60		31.5			1.08
		65		35.8			0.95
		70		40.8			0.83
	25	75	2.5	46.3	104.5	139.5	0.74
		80		49.6			0.69
		90		60.9			0.56
		100		69.4			0.49
		125		91.3			0.37
		150		115.6			0.29

① Initial Tension and Spring Constant are reference values. Load (kgf)= Load (N)×0.101972