

Round Wire Coil Springs : DVUF



Deflection 45%/I.D. Referenced

Closed Ends (Both Ends Not Ground*)
I.D.D ϕ 8 or less $\pm 0.6mm$
 $\pm 0.1mm$
 ϕ 10 or More $\pm 0.8mm$
 $\pm 0.1mm$

Closed Ends (Both Ends Ground)
Free length L 50 or less $\pm 1mm$
above 60 $\pm 2mm$

Spring constant

Type	DVUR	DVUF	DVUL	DVUM
5				
6				
8				
6	N/mm 0.29 {kgf/mm} {0.03}	N/mm 0.49 {kgf/mm} {0.05}	N/mm 0.98 {kgf/mm} {0.10}	N/mm 2.94 {kgf/mm} {0.30}
10				
12				
16				
Fmax.	F=Lx60%	F=Lx45%	F=Lx40%	F=Lx35%

DVUF: Fmax. (Allowable Deflection) = Lx45% Spring Constant 0.49N/mm {0.05kgf/mm}

Part Number		Outer Diameter D ₁	Wire Diameter d	F Max.	N(kgf) max.	Reference		
Type	D - L					Pitch	Solid Length	Total Number of Rolls
DVUF - 5	15*	6.0	0.50	6.8	3.33 {0.34}	2.3	4.3	7.5
	20*			9.0	4.41 {0.45}			
	25	6.2	0.60	11.3	5.49 {0.56}	2.1	8.4	13
	30			13.5	6.57 {0.67}			
	35			15.8	7.64 {0.78}			
	40	6.4	0.70	18.0	8.82 {0.90}	1.9	16.1	22
	45			20.3	9.90 {1.01}			
50	22.5			10.98 {1.12}				
50	22.5			10.98 {1.12}				
DVUF - 6	15	7.2	0.60	6.8	3.33 {0.34}	1.9	6.0	9
	20			9.0	4.41 {0.45}			
	25			11.3	5.49 {0.56}			
	30			13.5	6.57 {0.67}			
	35	7.4	0.70	15.8	7.64 {0.78}	2.7	10.5	14
	40			18.0	8.82 {0.90}			
	45			20.3	9.90 {1.01}			
	50	7.6	0.80	22.5	10.98 {1.12}	2.4	18.4	22
55	24.8			12.05 {1.23}				
60	27.0			13.23 {1.35}				
60	27.0			13.23 {1.35}				
DVUF - 8	20	9.4	0.70	9.0	4.41 {0.45}	3.1	6.0	7.5
	25			11.3	5.49 {0.56}			
	30			13.5	6.57 {0.67}			
	35	9.6	0.80	15.8	7.64 {0.78}	3.3	10.0	11.5
	40			18.0	8.82 {0.90}			
	45			20.3	9.90 {1.01}			
	50			22.5	10.98 {1.12}			
	55	10.0	1.00	24.8	12.05 {1.23}	2.5	24.0	23
	60			27.0	13.23 {1.35}			
	65			29.3	14.31 {1.46}			
70	31.5			15.39 {1.57}				
80	36.0			17.64 {1.80}				
DVUF - 10	20	11.6	0.80	9.0	4.41 {0.45}	3.3	6.4	7
	25			11.3	5.49 {0.56}			
	30			13.5	6.57 {0.67}			
	35	11.8	0.90	15.8	7.64 {0.78}	3.9	9.9	10
	40			18.0	8.82 {0.90}			
	45			20.3	9.90 {1.01}			
	50			22.5	10.98 {1.12}			
	55	12.2	1.10	24.8	12.05 {1.23}	3.1	21.5	18.5
	60			27.0	13.23 {1.35}			
	65			29.3	14.31 {1.46}			
70	31.5			15.39 {1.57}				
80	36.0			17.64 {1.80}				
DVUF - 12	25	14.0	1.00	11.3	5.49 {0.56}	3.1	10.0	9
	30			13.5	6.57 {0.67}			
	35			15.8	7.64 {0.78}			
	40			18.0	8.82 {0.90}			
	45	14.2	1.10	20.3	9.90 {1.01}	5.6	14.9	12.5
	50			22.5	10.98 {1.12}			
	55			24.8	12.05 {1.23}			
	60	14.4	1.20	27.0	13.23 {1.35}	5.2	21.6	17
	65			29.3	14.31 {1.46}			
	70			31.5	15.39 {1.57}			
80	36.0			17.64 {1.80}				
DVUF - 16	35	18.4	1.20	15.8	7.64 {0.78}	4.7	11.4	8.5
	40			18.0	8.82 {0.90}			
	45			20.3	9.90 {1.01}			
	50			22.5	10.98 {1.12}			
	55	18.6	1.30	24.8	12.05 {1.23}	5.2	16.3	11.5
	60			27.0	13.23 {1.35}			
	65			29.3	14.31 {1.46}			
	70	18.8	1.40	31.5	15.39 {1.57}	5.4	21.0	14
	80			36.0	17.64 {1.80}			
	90			40.5	19.80 {2.02}			
100	45.0			22.05 {2.25}				

- The values of solid length are for reference only. There may be some variations depending on the lot.
- Both ends are not ground for * marked types; both ends are ground for others.
- Usage Count: 1 Million Times

ORDERING GUIDE



DVUF 10 - 40

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