

Round Wire Coil Springs : DVUM



Deflection 45%/I.D. Referenced

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

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

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%

DVUM: Fmax. (Allowable Deflection) = Lx35% Spring Constant 2.94N/mm{0.30kgf/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
DVUM - 5	15	6.6	0.80	5.3	15.39 {1.57}	2.3	6.8	7.5
	20	6.8	0.90	7.0	20.58 {2.10}	1.8	11.7	12
	25			8.8	25.68 {2.62}	2.3		
	30	7.0	1.00	10.5	30.87 {3.15}	2.4	14.5	13.5
	35			12.3	35.97 {3.67}	2.8		
	40			14.0	41.16 {4.20}	3.2		
	45	7.2	1.10	15.8	46.26 {4.72}	2.5	22.0	19
50	17.5			51.45 {5.25}	2.8			
DVUM - 6	15	7.8	0.90	5.3	15.39 {1.57}	2.3	7.7	7.5
	20			7.0	20.58 {2.10}	3.0		
	25			8.8	25.68 {2.62}	2.8		
	30	8.0	1.00	10.5	30.87 {3.15}	3.3	11.0	10
	35			12.3	35.97 {3.67}	3.9		
	40	8.4	1.20	14.0	41.16 {4.20}	2.6	21.0	16.5
	45			15.8	46.26 {4.72}	2.9		
	50			17.5	51.45 {5.25}	3.2		
55	8.6	1.30	19.3	56.55 {5.77}	2.6	29.9	22	
60			21.0	61.74 {6.30}	2.9			
DVUM - 8	20	10.2	1.10	7.0	20.58 {2.10}	3.3	8.8	7
	25			8.8	25.68 {2.62}	4.2		
	30			10.5	30.87 {3.15}	5.0		
	35	10.6	1.30	12.3	35.97 {3.67}	3.5	15.6	11
	40			14.0	41.16 {4.20}	4.0		
	45			15.8	46.26 {4.72}	4.5		
	50			17.5	51.45 {5.25}	5.0		
	55	11.0	1.50	19.3	56.55 {5.77}	3.3	27.8	17.5
	60			21.0	61.74 {6.30}	3.6		
	65			22.8	66.84 {6.82}	3.9		
70	24.5			72.03 {7.35}	4.2			
80	28.0			82.32 {8.40}	4.8			
DVUM - 10	20	12.4	1.20	7.0	20.58 {2.10}	4.0	8.4	6
	25	12.6	1.30	8.8	25.68 {2.62}	4.2	10.4	7
	30			10.5	30.87 {3.15}	5.0		
	35			12.3	35.97 {3.67}	5.8		
	40	13.0	1.50	14.0	41.16 {4.20}	3.8	18.8	11.5
	45			15.8	46.26 {4.72}	4.3		
	50			17.5	51.45 {5.25}	4.8		
	55			19.3	56.55 {5.77}	5.2		
	60	13.4	1.70	21.0	61.74 {6.30}	5.7	28.9	16
	65			22.8	66.84 {6.82}	4.3		
70	24.5			72.03 {7.35}	4.7			
80	28.0			82.32 {8.40}	5.3			
DVUM - 12	25	14.8	1.40	8.8	25.68 {2.62}	5.0	9.8	6
	30			10.5	30.87 {3.15}	6.0		
	35			12.3	35.97 {3.67}	7.0		
	40	15.2	1.60	14.0	41.16 {4.20}	5.0	16.0	9
	45			15.8	46.26 {4.72}	5.6		
	50			17.5	51.45 {5.25}	6.3		
	55			19.3	56.55 {5.77}	6.9		
	60	15.6	1.80	21.0	61.74 {6.30}	5.5	23.4	12
	65			22.8	66.84 {6.82}	5.9		
	70			24.5	72.03 {7.35}	6.4		
80	28.0			82.32 {8.40}	7.3			
90	31.5			92.61 {9.45}	8.2			
DVUM - 16	35	19.6	1.80	12.3	35.97 {3.67}	5.8	14.4	7
	40			14.0	41.16 {4.20}	6.7		
	45			15.8	46.26 {4.72}	7.5		
	50			17.5	51.45 {5.25}	8.3		
	55	20.4	2.20	19.3	56.55 {5.77}	9.2	28.6	12
	60			21.0	61.74 {6.30}	5.5		
	65			22.8	66.84 {6.82}	5.9		
	70			24.5	72.03 {7.35}	6.4		
	80			28.0	82.32 {8.40}	7.3		
	90			31.5	92.61 {9.45}	8.2		
100	35.0	102.90 {10.50}	9.1					

- The values of solid length are for reference only. There may be some variations depending on the lot.
- Both ends are ground for all sizes.
- Usage Count: 1 Million Times

ORDERING GUIDE



DVUM 10 - 40

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