

Round Wire Coil Springs : DVUL



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	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}
6				
10				
12				
16				
Fmax.	F=Lx60%	F=Lx45%	F=Lx40%	F=Lx35%

● DVUL: Fmax. (Allowable Deflection) = Lx40% Spring Constant 0.98N/mm{0.10kgf/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
DVUL - 5	15	6.2	0.60	6	5.88 {0.60}	2.5	4.8	7
	20			8	7.84 {0.80}			
	25	6.4	0.70	10	9.80 {1.00}	2.3	9.1	12
	30			12	11.76 {1.20}			
	35			14	13.72 {1.40}			
	40	6.6	0.80	16	15.68 {1.60}	2.2	16	19
	45			18	17.64 {1.80}			
50	20			19.60 {2.00}				
55	22			21.56 {2.20}				
DVUL - 6	15	7.4	0.70	6	5.88 {0.60}	2.1	6.3	8
	20			8	7.84 {0.80}			
	25			10	9.80 {1.00}			
	30	7.6	0.80	12	11.76 {1.20}	2.3	10.4	12
	35			14	13.72 {1.40}			
	40			16	15.68 {1.60}			
	45	7.8	0.90	18	17.64 {1.80}	2.5	16.2	17
	50			20	19.60 {2.00}			
	55			22	21.56 {2.20}			
60	24			23.52 {2.40}				
DVUL - 8	20	9.8	0.90	8	7.84 {0.80}	2.4	9.5	9.5
	25			10	9.80 {1.00}			
	30			12	11.76 {1.20}			
	35	10.0	1.00	14	13.72 {1.40}	2.5	14.0	13
	40			16	15.68 {1.60}			
	45			18	17.64 {1.80}			
	50			20	19.60 {2.00}			
	55	10.4	1.20	22	21.56 {2.20}	2.7	28.8	23
	60			24	23.52 {2.40}			
	65			26	25.48 {2.60}			
70	28			27.44 {2.80}				
80	32			31.36 {3.20}				
DVUL - 10	20	12.0	1.00	8	7.84 {0.80}	3.1	8.5	7.5
	25			10	9.80 {1.00}			
	30	12.2	1.10	12	11.76 {1.20}	3.2	12.7	10.5
	35			14	13.72 {1.40}			
	40			16	15.68 {1.60}			
	45			18	17.64 {1.80}			
	50	12.6	1.30	20	19.60 {2.00}	3.7	25.4	18.5
	55			22	21.56 {2.20}			
	60			24	23.52 {2.40}			
	65			26	25.48 {2.60}			
70	28			27.44 {2.80}				
80	32	31.36 {3.20}						
DVUL - 12	25	14.4	1.20	10	9.80 {1.00}	2.9	12.6	9.5
	30			12	11.76 {1.20}			
	35			14	13.72 {1.40}			
	40			16	15.68 {1.60}			
	45	14.8	1.40	18	17.64 {1.80}	3.1	21.7	14.5
	50			20	19.60 {2.00}			
	55			22	21.56 {2.20}			
	60			24	23.52 {2.40}			
	65			26	25.48 {2.60}			
	70			28	27.44 {2.80}			
DVUL - 16	35	19.0	1.50	14	13.72 {1.40}	4.1	15.8	9.5
	40			16	15.68 {1.60}			
	45			18	17.64 {1.80}			
	50			20	19.60 {2.00}			
	55	19.4	1.70	22	21.56 {2.20}	4.4	24.7	13.5
	60			24	23.52 {2.40}			
	65			26	25.48 {2.60}			
	70			28	27.44 {2.80}			
	80			32	31.36 {3.20}			
	90			36	35.28 {3.60}			
100	40	39.20 {4.00}						

- 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



DVUL 10 - 40

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