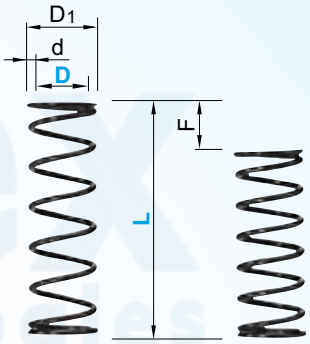
ROUND WIRE COIL SPRINGS - DNWL

(INNER DIAMETER STANDARD TYPE / WP 70% DEFLECTION, LONG TYPE)

Spring constant ± 10%
Outer dia. D φ 10 or less $^{0}_{-0.5mm}$
φ 12 or more $^{0}_{-0.8mm}$
Free length L 50 or less ± 1mm
55 or more ± 1.5mm

M~SWP~A



DNWL: Fmax. (maximum allowable deflection) = L x 40%

Part No. Type D-L		Pin dia.	D	D_1	d	F max.	Solid Height	Load N{kgf} max.	Spring constant N{kgf} max.
DNWL5.5	30	5	5.5	7	0.75	12	10.9	13.7 {1.4}	1.1 {0.12}
	35					14	12		1.0 {0.10}
	40					16	13.5		0.9 {0.09}
	45					18	15		0.8 {0.08}
	50					20	16.5		0.7 {0.07}
DNWL6.5	30	6	6.5	8.1	0.8	12	9.6	13.7 {1.4}	1.1 {0.12}
	35					14	10.8		1.0 {0.10}
	40					16	12		0.9 {0.09}
	45					18	13.2		0.8 {0.08}
	50					20	14.4		0.7 {0.07}
DNWL8.5	30	8	8.5	10.5	1.0	12	9.8	20.6 {2.1}	1.7 {0.18}
	35					14	10.8		1.5 {0.15}
	40					16	12		1.3 {0.13}
	45					18	13		1.1 {0.12}
	50					20	14		1.0 {0.11}
	60					24	16.5		0.9 {0.09}
DNWL10.6	30	10	10.6	12.8	1.1	12	9.1	20.6 {2.1}	1.7 {0.18}
	35					14	9.9		1.5 {0.15}
	40					16	11		1.3 {0.13}
	45					18	12.1		1.1 {0.12}
	50					20	12.7		1.0 {0.11}
	60					24	14.9		0.9 {0.09}
DNWL13.6	35	13	13.6	16.4	1.4	14	12.3	27.5 {2.8}	2.0 {0.20}
	40					16	13.3		1.7 {0.18}
	45					18	14.7		1.5 {0.16}
	50					20	15.8		1.4 {0.14}
	60					24	18.2		1.1 {0.12}
DNWL16.6	35	16	16.6	19.8	1.6	14	13.6	27.5 {2.8}	2.0 {0.20}
	40					16	14.8		1.7 {0.18}
	45					18	16		1.5 {0.16}
	50					20	17.2		1.4 {0.14}
	60					24	20		1.1 {0.12}

Features

- These products are round wire coil springs that are based on the inner diameter value as reference and have a fixed load capacity for each inner diameter.

Load calculation method: Load=Spring constant×Deflection

(SI units) N=N/mm×Fmm
kgf=kgf/mm×Fmm
(kgf=N×0.101972)

- The solid height values are for reference only. There may be some variation between lots.
- Instructions and precautions for the use of coil springs

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