

ROUND WIRE COIL SPRINGS - DNWM



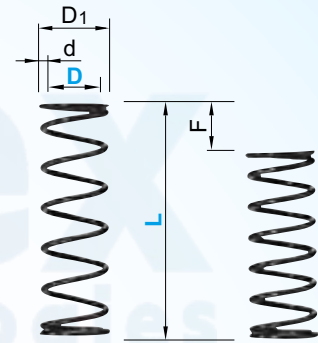
(INNER DIAMETER STANDARD TYPE /
WP 70% DEFLECTION, LONG TYPE)

Spring constant $\pm 10\%$

Outer dia. D $\varphi 10$ or less $^{0}_{-0.5\text{mm}}$
 $\varphi 12$ or more $^{0}_{-0.8\text{mm}}$

Free length L 50 or less $\pm 1\text{mm}$
55 or more $\pm 1.5\text{mm}$

M~SWP~A



● DNWM: $F_{\text{max.}}$ (maximum allowable deflection) = $L \times 32\%$

Part No. Type D-L	Pin dia.	D	D ₁	d	F max.	Solid Height	Load N(kgf) max.	Spring constant N(kgf) max.
DNWM5.5	30	5	5.5	0.9	9.6	13.1	20.6 (2.1)	2.1 (0.22)
	35				11.2	14.9		1.8 (0.19)
	40				12.8	16.2		1.6 (0.16)
	45				14.4	18		1.4 (0.15)
	50				16	19.8		1.3 (0.13)
DNWM6.5	30	6	6.5	1.0	9.6	14	20.6 (2.1)	2.1 (0.22)
	35				11.2	15.5		1.8 (0.19)
	40				12.8	17.5		1.6 (0.16)
	45				14.4	19.5		1.4 (0.15)
	50				16	21		1.3 (0.13)
DNWM8.5	30	8	8.5	1.1	9.6	9.4	27.5 (2.8)	2.9 (0.29)
	35				11.2	10.5		2.5 (0.25)
	40				12.8	11.6		2.1 (0.22)
	45				14.4	12.7		1.9 (0.19)
	50				16	13.8		1.7 (0.18)
	60				19.2	16		1.4 (0.15)
DNWM10.6	30	10	10.6	1.3	9.6	11.4	27.5 (2.8)	2.9 (0.29)
	35				11.2	12.7		2.5 (0.25)
	40				12.8	14		2.1 (0.22)
	45				14.4	15.3		1.9 (0.19)
	50				16	16.6		1.7 (0.18)
	60				19.2	19.2		1.4 (0.15)
DNWM13.6	35	13	13.6	1.6	11.2	14.4	34.3 (3.5)	3.1 (0.31)
	40				12.8	15.6		2.7 (0.27)
	45				14.4	17.2		2.4 (0.24)
	50				16	18.4		2.1 (0.22)
	60				19.2	20.8		1.8 (0.18)
DNWM16.6	35	16	16.6	1.8	11.2	15.3	34.3 (3.5)	3.1 (0.31)
	40				12.8	16.7		2.7 (0.27)
	45				14.4	18.5		2.4 (0.24)
	50				16	19.4		2.1 (0.22)
	60				19.2	22.5		1.8 (0.18)

● 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

$$\begin{aligned} \text{(SI units)} N &= N/\text{mm} \times F_{\text{mm}} \\ \text{kgf} &= \text{kgf}/\text{mm} \times F_{\text{mm}} \\ (\text{kgf} &= N \times 0.101972) \end{aligned}$$

The solid height values are for reference only.
There may be some variation between lots.

Instructions and precautions for the use of coil springs

ORDERING GUIDE



DNWM6.5-50

www.dymextech.com
india@dymextech.com