

Torsion Springs

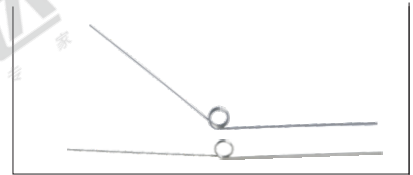
Code	Type	Material		Winding Direction	Arm Angle
		GB	Equiv.		
FHC01	Torsion Springs	0Cr18Ni9	SUS304-WPB	Left Winding	90°
FHC02				Right Winding	
FHC03				Left Winding	135°
FHC04				Right Winding	
FHC05				Left Winding	180°
FHC06				Right Winding	

Spring Constant:

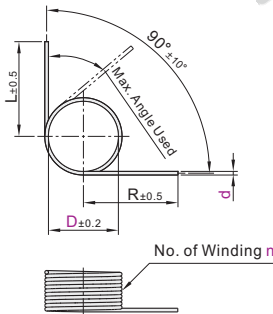
It is a reference value when arm length is cut to be L/2, R/2.

Matters Needing Attention:

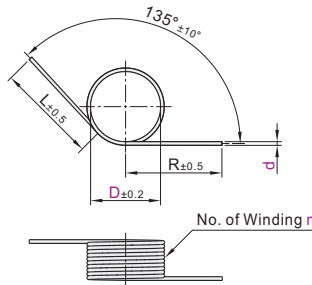
- Torsion springs should be compressed in the "closing" direction.
- The above drawing is right winding type.



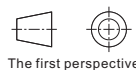
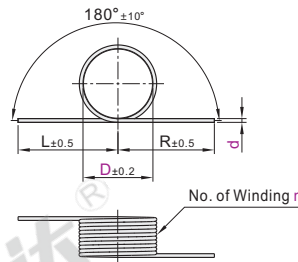
Arm Angle 90°
FHC01/02



Arm Angle 135°
FHC03/04



Arm Angle 180°
FHC05/06



The first perspective

Part Number		No. of Winding n	Wire Dia. d	Arm Length L/R	Spring Constant (Torque) N • mm / deg			Max. Angle Used Deg (deg)		
Code	D				Arm Angle 90°	Arm Angle 135°	Arm angle 180°	Arm Angle 90°	Arm Angle 135°	Arm Angle 180°
Arm Angle 90° FHC01(Left Winding) FHC02(Right Winding)	2	2	0.2	20	0.0113	0.0115	0.0120	40	39	35
		3	0.3		0.0561	0.0585	0.0610	25	24	21
		3	0.2		0.0085	0.0085	0.0090	58	57	53
		4	0.3		0.0425	0.0440	0.0450	36	34	33
		4	0.4		0.0342	0.0350	0.0360	50	48	45
		5	0.3		0.1053	0.1075	0.1105	36	33	32
	3	5	0.4	30	0.0287	0.0290	0.0300	60	58	56
		4	0.4		0.0880	0.0895	0.0915	45	43	41
		2	0.3		0.0385	0.0400	0.0415	38	36	33
		4	0.4		0.1197	0.1245	0.1300	28	25	22
		3	0.3		0.0293	0.0300	0.0310	54	52	50
		4	0.4		0.0910	0.0935	0.0965	41	39	38
Arm Angle 135° FHC03(Left Winding) FHC04(Right Winding)	4	5	0.5	40	0.0734	0.0750	0.0770	54	52	50
		5	0.4		0.1754	0.1795	0.1840	43	41	40
		5	0.4		0.0615	0.0625	0.0640	70	66	64
		5	0.5		0.1470	0.1500	0.1530	52	51	50
		2	0.4		0.0916	0.0950	0.0995	37	34	33
		5	0.5		0.2204	0.2295	0.2390	28	26	25
	5	3	0.4	50	0.0650	0.0720	0.0740	55	52	51
		4	0.5		0.1675	0.1730	0.1785	40	40	37
		4	0.6		0.1355	0.1385	0.1420	55	52	49
		5	0.5		0.2760	0.2830	0.2900	46	46	43
		5	0.6		0.1136	0.1160	0.1180	66	66	63
		5	0.6		0.2311	0.2360	0.2410	58	57	55
Arm Angle 180° FHC05(Left Winding) FHC06(Right Winding)	5	2	0.5	60	0.1791	0.1865	0.1940	37	34	32
		2	0.6		0.3670	0.3820	0.3980	30	28	25
		3	0.5		0.1365	0.1405	0.1450	53	50	50
		4	0.6		0.2795	0.2880	0.2970	44	42	40
		4	0.8		0.2255	0.2310	0.2370	58	56	54
		5	0.6		0.6935	0.7105	0.7285	41	40	38
	6	5	0.6	60	0.1890	0.1930	0.1970	73	71	70
		5	0.8		0.5810	0.5930	0.6055	52	51	50
		2	0.6		0.3095	0.3220	0.3355	35	34	32
		2	0.8		0.9585	0.9980	1.0405	24	23	22
		3	0.6		0.2360	0.2435	0.2510	54	50	48
		3	0.8		0.7295	0.7520	0.7760	36	34	33
	5	4	0.8	60	0.5890	0.6035	0.6185	48	46	46
		4	1.0		1.4040	1.4390	1.4755	40	37	37
		5	0.8		0.4935	0.5040	0.5145	61	60	58
		5	1.0		1.1760	1.2005	1.2260	50	48	47

1 (kgf=9.8)N 1deg=1°(Angle)



Please order as shown

Part Number	n	d
Code	D	
FHC01	2	0.2
FHC02	2	0.3

FHC02 — D2 — n2 — d0.3



Discount price

Per	1~19	20~
Price	100%	Additional quotation



Delivery

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