

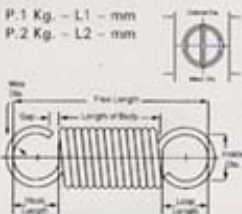
NAME IN PRECISION SPRING & SHEET METAL COMPONENTS

HELICAL EXTENSION SPRING



d - Wire DIA
 D1 - Outside DIA
 DM - MEAN DIA
 D2 - Inside DIA
 LO - Free Length
 FL - Free Length Inside Loop
 LC - Length Of Coils

P.1 Kg. - L1 - mm
 P.2 Kg. - L2 - mm



CONICAL SPRING

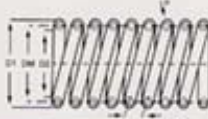


HELICAL COMPRESSION SPRING



d - Wire DIA
 D1 - Outside DIA
 DM - MEAN DIA
 D2 - Inside DIA
 LO - Free Length
 P - Pitch
 N - No. of Coils

P.1 Kg. - L1 - mm
 P.2 Kg. - L2 - mm



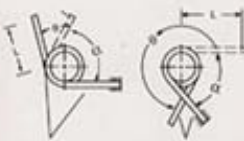
WIRE FORMS



HELICAL TORSION SPRING

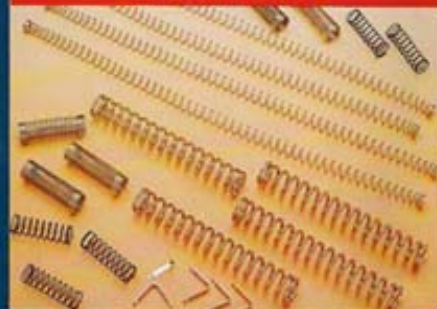


Specify :
 * = Angle between ends
 * = Load between ends
 L = Moment arm
 θ = Angular Deflection from Free Position



Ends in Free Position Ends in Free Position

UMBRELLA SPRING

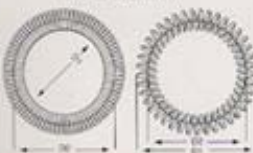


GARTER SPRING



Extension Spring (Contracting Force)
 D1 - Minimum Inside Diameter
 D2 - Maximum Extended Inside Diameter

Compression Spring (Expanding Force)
 D1 - Minimum Outside Diameter
 D2 - Maximum Compressed Outside Diameter



SHEET METAL COMPONENTS



SPECIFICATION OF WIRECOM™ PRODUCTS

ITEMS/DESCRIPTION	TYPICAL APPLICATION	MATERIAL RANGE
HELICAL EXTENSION SPRING (Threaded inserts, Swivel Hooks, Loops, Side Loops, Cross Centre Loops, English & German Hooks, etc.)	Relays, Rotary Switch, Tape Cassette Player, Typewriter, Balance Scale, Toys, Garage Doors, Washing Machine, Refrigerator, Gas Lighter, Textile Loom & Machinery, Electronic, Electrical & Switchgear Products, and various types of spring tensioning device.	0.10 mm to 12 mm (42 Swg to 7/10 Swg) Wire
HELICAL COMPRESSION SPRING (Hourglass, Barrel, Cylindrical, Variable Pitch etc.)	Automobiles, Aerospace, Electronic, Electrical & Switchgear Products, Gas Stove, Gas Lighter, Slide Switch, Door & Luggage Locks, Toys, Ballpens, Packing Tools and in any type of Engineering Products.	0.10 mm to 12 mm (42 Swg to 7/10 Swg) Wire
HELICAL TORSION SPRING	Circuit Breakers, Automobile Electrical, Electronic & Switchgear Products, Packaging Tools, Clothier Pin, Windows Shades, Ratches, Motor Pump Assembly and various types of machine components.	0.4 mm to 5 mm (27 Swg to 5 Swg) Wire
GARTER SPRING	Mainly for Oil Seals, Motor Belt, Electrical Connector & Aspistoning Expanders.	0.25 mm to 3 mm (33 Swg to 10 Swg) Wire
CONICAL SPRING	Push Button, Switches, Water Pumps, Thermos, Water Jugs and any other industrial requirements.	0.25 mm to 3 mm (33 Swg to 10 Swg) Wire
WIRE FORMS	Textile Looms & Machinery, Foot operated Switches, Camera, Automobiles Computer Machines, Switchgear Products, Typewriters and type of industrial application.	0.3 mm to 8 mm (30 Swg to 2/0 Swg) Wire
UMBRELLA SPRING	Main & Inner Spring, Latch Spring, Top Spring, Strip Spring for Auto Folding Umbrella, Springs are supplied with & without plating..	Spring Steel Wire as per IS 4454, GR II & GR III

MATERIAL SPECIFICATION

- Spring Steel Wire as per IS 4454 GR II & GR III, SW, VW GRADE
- Stainless Steel Wire as per AISI 302 & 304
- Phosper Bronze Wire, Brass Wire, Galvanised Wire, Music Wire
- Nicrome Wire, Canthal Wire or any Other material specified by customer
- Spring Steel Strip, EN 9, EN 42, EN 42J

OUR PRODUCTS ALSO INCLUDE

- Spiral Spring
- Strip Spring
- Split Dowell Pin
- Circlip
- Disc Washers
- Star Washers
- Wave Washer
- Furnace Coil
- Terminal Clips



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