



Disc Springs Material:

Harshvijay Exim OPC Private Limited, a leading supplier of Disc Springs Washer DIN 2093, supplies mainly in following material.

Material	Magnetic Permeability	Thermal Conductivity	Field of use	Availability
Carbon Steel C80 / CK75	Very Good	Low	C 80 is the most inexpensive spring steel for low stress application	Regular
Chromium-molybdenum steel 50CrV4	Very Good	Low	50CrV4 is the most regularly used disc spring material. 50CrV4 offers the spring characteristics in the temperature range of -150c to +150c, due to high alloy content.	Always in stock
X10 Cr Ni 18-8 stainless steels (AISI 301/1.4310)	Low due to Low work hardening	Low	SS301 Disc Spring is used non-waterproof housing and subject to even lightly corrosive substances.	Always in stock
X5 Cr Ni 18-10 stainless steels (AISI 304/1.4301)	Low due to low work hardening	Low	Disc Spring Washers requiring low elasticity and good corrosion resistance.	Always in stock
X6 Cr Ni MoTi 17-12-2 stainless steels (AISI 316 / 1.4401)	Low due to Low work hardening		Disc Spring Washers is used in highly corrosive environments.	Always in stock
HEAT RESISTANT STEEL - X7 Cr Ni Al 17-7 (17-7 PH)	Good	Low	Disc Spring Washers in corrosive environments but for high temperatures.	Always in stock
Inconel X-750	Zero	Low	Disc Spring Washers, used in high temperature parts	Always in stock
Inconel X-718	Zero	Low	Disc Spring Washers used in nuclear, aeronautical, space, very high temperature.	Always in stock
Beryllium copper CuBe 2	Zero	Very High	This alloys low modulus of elasticity enables the Disc Spring material to generate a significantly lower spring force when compared to other various materials	Very difficult

