

Product Overview

Belleville washer's, also known as Belleville spring's, conical spring washer, coned-disc spring, disc spring, or cupped spring washer, consist of a conical shell which can be loaded along its axis either statically or dynamically. A Belleville washer is simply a type of spring shaped like a washer. Belleville washer work great in applications where metals are expanding and contracting due to thermal expansion. This is because they maintain constant torque as the fasteners elongate and contract.

A Belleville washer consists of a convex disc supported at the outer edge by one force and an opposing force on the center of the disc. Belleville washers can be used singly, or in stacks, to achieve a desired load & travel. The advantage of a Belleville washer is that it generates high force in a very short spring length and with minimal movement when compressed. All Tegpro Belleville washers adhere to extremely high quality control standards.



Tegpro Belleville Washers can help maintain constant torque on thermoelectric generators

Part #	d		dc h14	h	H	
	Min	Max			Min	Max
TE-WASH-BL-2MM	2	2.2	5	0.4	0.5	0.6
TE-WASH-BL-2.5MM	2.5	2.7	6	0.5	0.61	0.72
TE-WASH-BL-3MM	3	3.2	7	0.6	0.72	0.85
TE-WASH-BL-3.5MM	3.5	3.7	8	0.8	0.92	1.06
TE-WASH-BL-4MM	4	4.3	9	1	1.12	1.3
TE-WASH-BL-5MM	5	5.3	11	1.2	1.35	1.55
TE-WASH-BL-6MM	6	6.4	14	1.5	1.7	2
TE-WASH-BL-7MM	7	7.4	17	1.75	2	2.3
TE-WASH-BL-8MM	8	8.4	18	2	2.24	2.6
TE-WASH-BL-10MM	10	10.5	23	2.5	2.8	3.2
TE-WASH-BL-12MM	12	13	29	3	3.43	3.95
TE-WASH-BL-14MM	14	15	35	3.5	4.04	4.65
TE-WASH-BL-16MM	16	17	39	4	4.58	5.25
TE-WASH-BL-18MM	18	19	42	4.5	5.08	5.8
TE-WASH-BL-20MM	20	21	45	5	5.6	6.4
TE-WASH-BL-22MM	22	23	49	5.5	6.15	7.05
TE-WASH-BL-24MM	24	25	56	6	6.77	7.75
TE-WASH-BL-27MM	27	28	60	6.5	7.3	8.35
TE-WASH-BL-30MM	30	31	70	7	8	9.2

