

# Technical data sheet

<b>Title</b>	Fan washers
<b>Standard</b>	DIN6798

## 1.- Functions of washers.

The main functions of washers are:

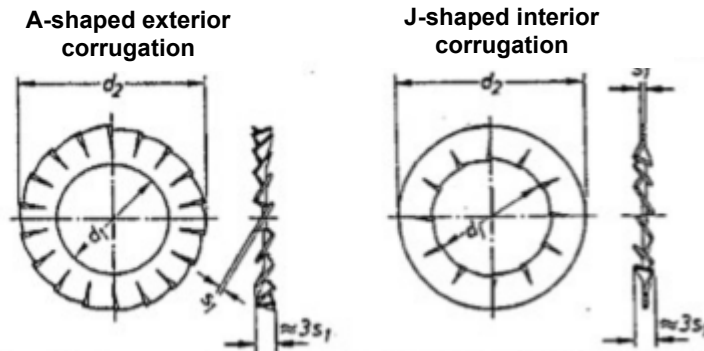
- 1.- To protect contact surfaces against scratches or wear that may be caused by screws or nuts by rubbing.
- 2.- To distribute the tightening force evenly to obtain local pressures that are close to the average pressure.
- 3.- To move the tightening force to different areas of the head of the screw or nut. Oversized or torn holes.
- 4.- To reduce the risks of loosening due to increase in the friction coefficient on the screw or nut (serrated or ribbed washers)
- 5.- To secure a possible loss of tightening torque due to deformation of the parts (elastic washers)
- 6.- To compensate for the lack of parallelism of the parts or uneven surfaces.
- 7.- Watertightness between the head or screw or nut and the part to be tightened (polyamide coated washer).
- 8.- Fastening of cables to the electrical connections.

## 2- Application and classes of washers

DIN6798 washers are made from spring steel and have a hardness of 420HV to 490HV, both in carbon steel with Black and Zinc plated finish and in stainless steel.

DIN6798 washers may be A-shaped or J-shaped.

### 3.- Dimensions of washers



METRIC	d1	d2	s1	A Corrugations	J Corrugations
1.6	1.7	3.6	0.3	9	7
1.7	1.8	3.8	0.3	9	7
1.8	1.9	4	0.3	9	7
2	2.2	4.5	0.3	9	7
2.3	2.5	5	0.4	9	7
2.5	2.7	5.5	0.4	9	7
2.6	2.8	5.5	0.4	9	7
3	3.2	6	0.4	9	7
3.5	3.7	7	0.5	10	8
4	4.3	8	0.5	11	8
5	5.1	9	0.5	11	8
5	5.3	10	0.6	11	8
6	6.4	11	0.7	12	9
7	7.4	12.5	0.8	14	10
8	8.2	14	0.8	14	10
8	8.4	15	0.8	14	10
10	10.5	18	0.9	16	12
12	12.5	20.5	1	16	12
14	14.5	24	1	18	14
16	16.5	26	1.2	18	14
18	19	30	1.4	18	14
20	21	33	1.4	20	16
22	23	36	1.5	20	16
24	25	38	1.5	20	16
27	28	44	1.6	22	18
30	31	48	1.6	22	18