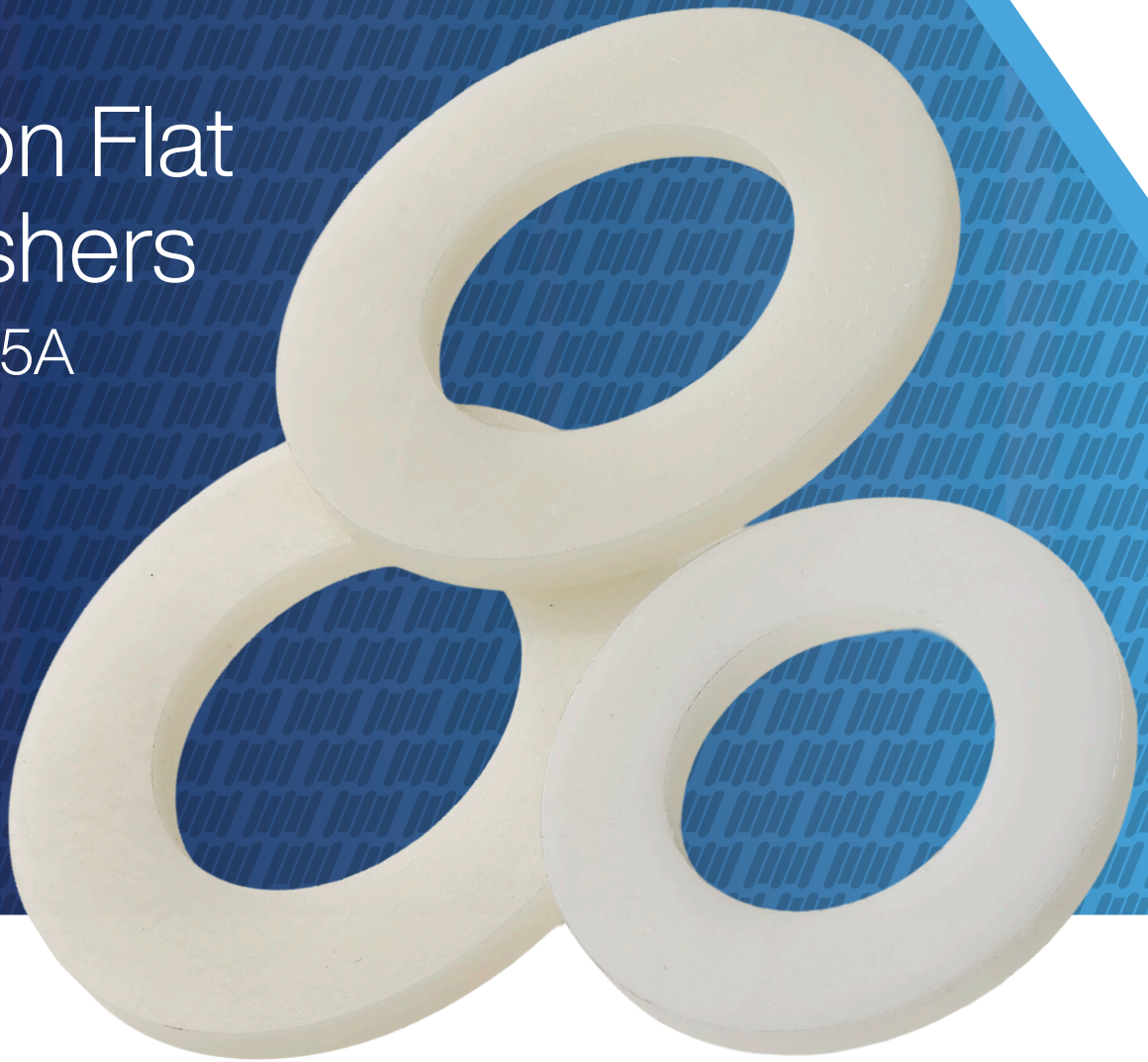


Nylon Flat Washers

DIN 125A



DIN 125A nylon washers are standard metric flat washers manufactured from high quality polyamide (Nylon) 6.6. They are primarily used for load distribution, electrical insulation, and corrosion resistant fastening applications. Sizes correspond to standard metric fasteners.

Applicable Standard

DIN 125 Form A – Metric flat washers, normal series.

Material

Polyamide 6.6 (Nylon 66).

Sizes

M5–M39.

Specific Features

- **Weight:** Lightweight, approximately one sixth the weight of steel washers
- **Vibration Damping:** Helps reduce noise and vibration within assemblies
- **Colour:** Typically natural white / off white (other colours available on request)

Performance

- Good mechanical strength and dimensional stability
- Prevents bimetallic corrosion between dissimilar metals
- Resistant to corrosion, moisture, most solvents, petroleum products, and diluted acids
- Non rusting and non conductive

Typical Applications

- Load distribution when fastening against softer materials
- Electrical and electronic assemblies
- Insulating barrier between dissimilar materials
- Corrosion sensitive environments
- General construction, mechanical, and light industrial fixings

Installation Notes

- Anti galling measures recommended when used with stainless steel fasteners

Limitation (optional)

- Not suitable for high temperature applications
- Not intended for high load structural fastening where metallic washers are required

Dimensions & Design

Flat washer profile with standard outside diameter and thickness in accordance with DIN 125 Form A. Designed for use with standard metric bolts, screws, and nuts.

Nylon Washers DIN 125A Dimensions						
Thread Size	d1		d2		h	
	Min.	Max.	Min.	Max.	Min.	Max.
M5	5.3	5.48	9.64	10	0.9	1.1
M6	6.4	6.62	11.57	12	1.4	1.8
M7	7.4	7.62	13.57	14	1.4	1.8
M8	8.4	8.62	15.57	16	1.4	1.8
M10	10.5	10.77	19.48	20	1.8	2.2
M12	13	13.27	23.48	24	2.3	2.7
M14	15	15.27	27.48	28	2.3	2.7
M16	17	17.27	29.48	30	2.7	3.3
M18	19	19.33	33.38	34	2.7	3.3
M20	21	21.33	36.28	37	2.7	3.3
M22	23	23.33	38.38	39	2.7	3.3
M24	25	25.33	43.38	44	3.7	4.3
M27	28	28.33	49.38	50	3.7	4.3
M30	31	31.39	55.26	56	3.7	4.3
M33	34	34.62	58.8	60	4.4	5.6
M36	37	37.62	64.8	66	4.4	5.6
M39	40	40.62	70.8	72	5.4	6.6

