

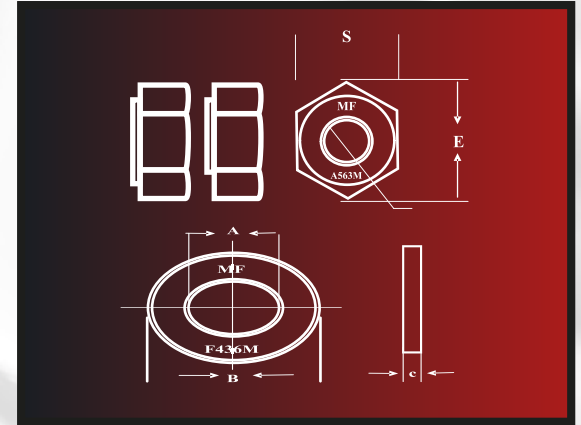


Pre - Load Nut & Washer (Assemblies) ASTM

ASTM A563M & ASTM F436M

Drwaing

ANSI B18.2.4.6M A563M Heavy Hex Nut Dimensions						
Nominal nut diameter and thread pitch	S		E		M	
	Width across flats		Width across corners		Thickness	
	max.	min.	max.	min.	max.	min.
M16x2	27.00	26.16	31.18	29.56	17.1	16.4
M20X2.5	34.00	33.00	39.26	37.29	20.7	19.4
M22X2.5	36.00	35.00	41.57	39.55	23.6	22.3
M24X3	41.00	40.00	47.34	45.20	24.2	22.9
M27X3	46.00	45.00	53.12	50.85	27.6	26.3
M30X3.5	50.00	49.00	57.74	55.37	30.7	29.1
M36X4	60.00	58.80	69.28	66.44	36.6	35.0



ASTM F436M Circular Washer Dimensions						
Flat Circular Washers						
Nominal nut diameter and thread pitch	A		B		C	
	Inside		Outside		Thickness	
	Max.	Min.	Max.	Min.	Max.	Min.
16	18.4	18.0	34.0	32.4	4.6	3.1
20	22.5	22.0	42.0	40.4	4.6	3.1
22	24.5	24.0	44.0	42.4	4.6	3.4
24	26.5	26.0	50.0	48.4	4.6	3.4
27	30.5	30.0	56.0	54.1	4.6	3.4
30	33.6	33.0	60.0	58.1	4.6	3.4
36	39.6	39.0	72.0	70.1	4.6	3.4

Standard specification	A563 ANSI B18.2.4.6M
Material	Carbon & Alloy Steel
Strength grade	8S , 10S
Screw thread	ANSI B18.2.4.1M
Surface finish	Plain as processed
	Hot dipped galvanized ASTM A153C

Standard specification	ASTM F436M
Material	Hardened steel
Material properties	38 to 45 HRC
Surface finish	Plain as processed
	Hot dipped galvanized ASTM A153C

