

# STRESS UNDER PROOF LOAD (ISO 3506)

Group	Grade	Property class		Range of thread diameter  d mm	Stress under proof load Sp min. N/mm <sup>2</sup>	
		Nuts style 1 (m ≥ 0.8 d)	Thin nuts (0.5 d ≤ m < 0.8 d)		Nuts style 1 (m ≥ 0.8 d)	Thin nuts (0.5 d ≤ m < 0.8 d)
Austenitic	A1	50	025	≤ 39	500	250
	A2, A3	70	035	≤ 24 <sup>1</sup>	700	350
	A4, A5	80	040	≤ 24 <sup>1</sup>	800	400

<sup>1</sup> For fasteners with nominal thread diameters d > 24mm the mechanical properties shall be agreed upon between user and manufacturer and marked with grade and property class according to this table.