

ASME Duty Classification

ASME standards specify the Duty Class of a hoist.

ASME Duty Classes	Service Classification	Description
H1	Infrequent or Standby	Idle 1-6 months, used for installation and/or maintenance
H2	Light	light maintenance, fabrication; capacity loads infrequently handled; randomly distributed loads; low running time
H3	Standard	General machining; randomly distributed loads; total running time $\leq 25\%$ of working period
H4	Heavy	high volume handling of heavy loads near rated capacity; steel warehousing, machining, foundries; total running time $\leq 50\%$ of working period
H5	Severe	bulk material handling with attachments; approach continuous operation

Hoist Class	Hoist Bearing life at $K=0.65$ (hours)	Uniformly Distributed Work Periods		Infrequent Heavy Work Periods	
		Max. On Time Minutes Per hour	Max. No. Of Starts Per Hour	Minutes	Starts
H1	1,250	7.5	75	15	100
H2	2,500	7.5	75	15	100
H3	5,000	15	150	30	200
H4	10,000	30	300	30	300
H5	20,000	60	600	N/A	N/A