

Table A6.6100: criteria RB 3280 which must be complied with

RB 3280 criteria	Stress	Allowable limits	Non standardized bolting elements or nut height < 0,8 d	Standardized bolting elements using nuts with a usual height (h ≥ 0,8 d)					
				R _{p0,2} parts = R _{p0,2} screw		R _{p0,2} parts > R _{p0,2} screw		R _{p0,2} parts < R _{p0,2} screw	
				Bolts – Tie-rods	Screw – studs	Bolts – Tie-rods	Screw – studs	Bolts – Tie-rods	Screw – studs
RB 3282.11	$\overline{(\sigma_m)}$ fictitious	S _{mB}	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	$\overline{\sigma_m}$	2S _{mB}	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	$\overline{\sigma_m + \Phi \sigma_b}$	3S _{mB}	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RB 3282.12	(τ_{fv}) fictitious	0,6.S _{mB}	Yes	No	See note 1	No	See note 1	No	See note 2
	τ_{fv}	1,2.S _{mB}							
	(τ_{fp}) fictitious	0,3.S _m							
	τ_{fp}	0,6.S _m							
	(ρ_t) fictitious	0,5.R _{p0,2}	Yes	No	No	No	No	No	No
	ρ_t	R _{p0,2}		No	No	No	No	No	No
	(τ_t) fictitious	0,6.S _{mB}	Yes	No	No	No	No	No	No
	τ_t	1,2.S _{mB}							
	(ρ_f) fictitious	0,5.R _{p0,2}	Yes	No	No	No	No	No	No
	ρ_f	R _{p0,2}		No	No	No	No	No	No
RB 3283.11		Fatigue curve	Yes	Yes	Yes	Yes	Yes	Yes	Yes

Note 1: Compliance is not necessary if L_e ≥ 0,8 d
Note 2: Only compliance with τ_{fp} is necessary. For information τ_{fp} must then be calculated with length L'_e (A6.5222)
 The mechanical properties of the nuts fitted to bolts, tie-rods or studs must be at least equal to those of the threaded rod.