

**Table A6.2610: criteria RB 3280 which must be complied with**

RB 3280 critria	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 <sub>p0.2</sub> parts = R <sub>p0.2</sub> screw		R <sub>p0.2</sub> parts > R <sub>p0.2</sub> screw		R <sub>p0.2</sub> parts < R <sub>p0.2</sub> screw	
				Bolts – Tie-rods	Screw – studs	Bolts – Tie-rods	Screw – studs	Bolts – Tie-rods	Screw – studs
<b>RB 3282.11</b>	$(\overline{\sigma_m})_{\text{fictitious}}$	S <sub>mB</sub>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	$\overline{\sigma_m}$	2S <sub>mB</sub>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
	$\overline{\sigma_m + \Phi \sigma_b}$	3S <sub>mB</sub>	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>RB 3282.12</b>	$(\tau_{fv})_{\text{fictitious}}$	0.6.S <sub>mB</sub>	Yes	No	See note 1	No	See note 1	No	See note 2
	$\tau_{fv}$	1.2.S <sub>mB</sub>							
	$(\tau_{fp})_{\text{fictitious}}$	0.3.S <sub>m</sub>							
	$\tau_{fp}$	0.6.S <sub>m</sub>							
	$(p_t)_{\text{fictitious}}$	0.5.R <sub>p0.2</sub>	Yes	No	No	No	No	No	No
	$p_t$	R <sub>p0.2</sub>		No	No	No	No	No	No
	$(\tau_t)_{\text{fictitious}}$	0.6.S <sub>mB</sub>	Yes	No	No	No	No	No	No
	$\tau_t$	1.2.S <sub>mB</sub>							
	$(p_f)_{\text{fictitious}}$	0.5.R <sub>p0.2</sub>	Yes	No	No	No	No	No	No
$p_f$	R <sub>p0.2</sub>	No		No	No	No	No	No	
<b>RB 3283.11</b>		Fatigue curve	Yes	Yes	Yes	Yes	Yes	Yes	Yes

**Note 1:** Compliance is not necessary if L<sub>e</sub> ≥ 0.8 d

**Note 2:** Only compliance with τ<sub>fp</sub> is necessary. For information τ<sub>fp</sub> must then be calculated with length L<sub>e</sub> (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.