



EN 13445-3 Table 6-1

Steel Designation	Normal Operating Load Cases	Testing and Exception Load Cases
Steels other than austenitic as per 6.2 A < 30 %	$f_d = \min\left(\frac{R_{p0.2/T}}{1.5}; \frac{R_{m/20}}{2.4}\right)$	$f_{test} = \left(\frac{R_{p0.2/T_{test}}}{1.05}\right)$
Steels other than austenitic as per 6.3: Alternative route A < 30 %	$f_d = \min\left(\frac{R_{p0.2/T}}{1.5}; \frac{R_{m/20}}{1.875}\right)$	$f_{test} = \left(\frac{R_{p0.2/T_{test}}}{1.05}\right)$
Austenitic steels as per 6.4 30 % ≤ A ≤ 35 %	$f_d = \left(\frac{R_{p1.0/T}}{1.5}\right)$	$f_{test} = \left(\frac{R_{p1.0/T_{test}}}{1.05}\right)$
Austenitic steels as per 6.5 A ≥ 35 %	$f_d = \max\left[\left(\frac{R_{p1.0/T}}{1.5}\right); \min\left(\frac{R_{p1.0/T}}{1.2}; \frac{R_{m/T}}{3}\right)\right]$	$f_{test} = \max\left[\left(\frac{R_{p1.0/T_{test}}}{1.05}\right); \left(\frac{R_{m/T_{test}}}{2}\right)\right]$
Cast steels as per 6.6	$f_d = \min\left(\frac{R_{p0.2/T}}{1.9}; \frac{R_{m/20}}{3}\right)$	$f_{test} = \left(\frac{R_{p0.2/T_{test}}}{1.33}\right)$