

SURFACE DEFECTS ON COLD WORKED BARS
Classes of Tolerance
 According to norm **UNI EN 10277-1:2000**

NB: in case no specific class has been defined upon order, the norm prescribes to stick to class 1, the least strict.

Classes 1, 2 e 3 is applied to drawn bars in round, square, hexagonal and flat profiles.
 Class 4 is only applied for peeled or/and ground products.

CLASSES OF SURFACE QUALITY ON COLD WORKED BARS				
STATE	CLASS			
	1	2	3	4
Depth of defect	max 0,3 mm for $d^{1)} \leq 15$ mm max 0,02 x d for $15 < d \leq 100$ mm	max 0,3 mm for $d \leq 15$ mm max 0,02 x d for $15 < d \leq 75$ mm max 1,5 mm for $d > 75$ mm	max 0,2 mm for $d \leq 20$ mm max 0,01 x d for $20 < d \leq 75$ mm max 0,75 mm for $d > 75$ mm	Technically free from cracks or defects
Maximum percentage in weight of supplied products with defects over the established class	4%	1%	1%	0,2%
¹⁾ d = Nominal diameter of the bar and width (key) for squares and hexagonals				