Table 17 — Mechanical properties for bright bars a at room temperature of heat-treated (see Table A.5) precipitation hardening steels in conditions 2H, 2B, 2G or 2P

Steel designation		Thickness tor	Ann	Annealed	Prec	ipitation	Precipitation hardened		
Name	Number	diameter $^{\mathrm{b}}d$	Rm	НВМ с	Heat treatment condition	$\begin{vmatrix} R_{p0,2} \end{vmatrix}$	R <sub>m</sub>	A <sub>5</sub> d	KV <sub>2</sub>
		111111	MPa	max.		MPa	MPa	%	J
			max.			min.		min.	min.
								(long.)	(long.)
				Standard grade	grade				
X5CrNiCuNb16-4	1.4542	≤ 10 e	1200	360	+P800	009	900 to 1100	10	,
		10 < t ≤ 16	1200	360		009	900 to 1100	10	
		16 < t ≤ 40	1200	360		520	800 to 1050	12	75
		40 < t ≤ 63	1200	360		520	800 to 1000	18	75
		63 < t ≤ 160	1200	360		520	800 to 950	18	75
		≤ 100			+P930	720	930 to 1100	12	40
		<pre>&lt; 100</pre>		,	+P960	190	960 to 1160	10	-
		< 100	-	-	+P1070	1000	1070 to 1270	10	-
				Special grade	rade				
X5NiCrTiMoVB25-15-2	1.4606	≤ 10 <sup>e</sup>	058	240	+P880	750	950 to 1200	15	30
		10 < t ≤ 16	800	230		750	950 to 1150	15	30
		$16 < t \le 40$	008	230		009	900 to 1150	18	40
		$40 < t \le 50$	002	212		220	880 to 1150	20	40

Including cut lengths from wire.

b Width across flats for hexagons.

For information only.

Elongation A<sub>5</sub> is valid only for dimensions of 5 mm and above. For smaller diameters, the minimum elongation shall be agreed upon at the time of enquiry and order. р

In the range 1 mm  $\leq$  d < 5 mm valid only for rounds. The mechanical properties of non-round bars with thicknesses < 5 mm shall be agreed at the time of enquiry and order.