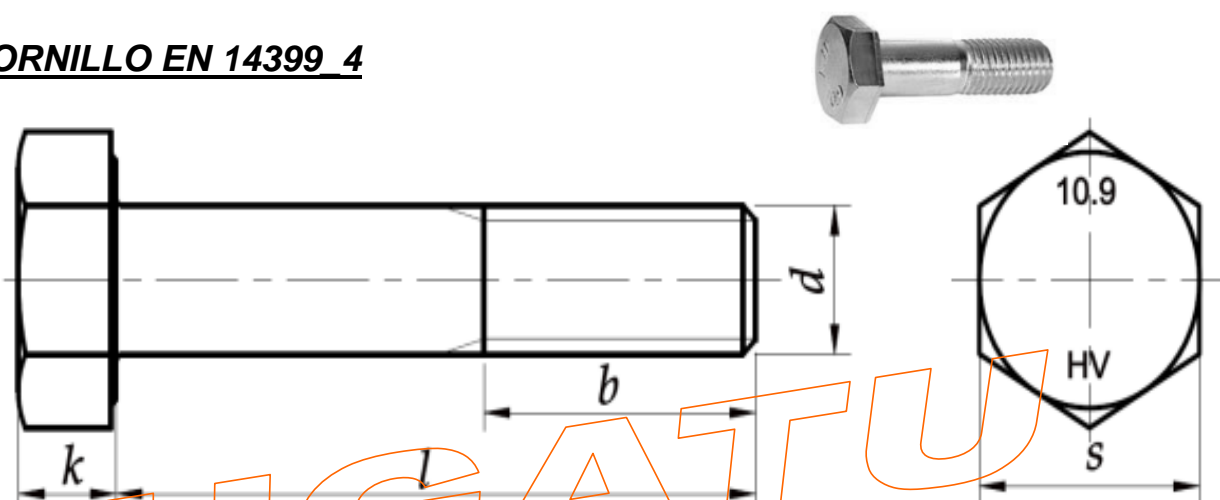


**FICHA TÉCNICA**

**TORNILLO EN 14399 4**



**DIMENSIONES**

<b><i>d</i></b>		<b>M12</b>	<b>M16</b>	<b>M20</b>	<b>M22</b>	<b>M24</b>	<b>M27</b>	<b>M30</b>	<b>M36</b>
<b><i>P</i></b>		1,75	2	2,5	2,5	3	3	3,5	4
<b><i>b</i></b>		23	28	33	34	39	41	44	52
<b><i>k</i></b>	<b><i>nom.</i></b>	8	10	13	14	15	17	19	23
	<b><i>min.</i></b>	7,55	9,25	12,1	13,1	14,1	16,1	17,95	21,95
	<b><i>max</i></b>	8,45	10,75	13,9	14,9	15,9	17,9	20,05	24,05
<b><i>S</i></b>	<b><i>max</i></b>	22	27	32	36	41	46	50	60
	<b><i>min.</i></b>	21,16	26,16	31	35	40	45	49	58.8

## COINDICIONES TÉCNICAS DE SUMINISTRO

<b>Material</b>		<b>Steel</b>
<b>General requirements</b>	<b>Norma Standard</b>	EN 14399-1
<b>Thread</b>	<b>Tolerance</b>	6g <sup>a)</sup>
	<b>Norma Standard</b>	EN 261, ISO 965-2
<b>Mechanical properties</b>	<b>Property class</b>	10.9
	<b>Norma Standard</b>	EN ISO 898-1
<b>Discharge capacity</b>	<b>Value</b>	$K_{v\ min} = 27\ J$ w temperaturze - 20°C
	<b>Test sample</b>	ISO 148
	<b>Test</b>	EN 10045-1
<b>Tolerance</b>	<b>Product grade</b>	C Tolerancja długości $\geq 155\text{mm}$ : $+IT17$ $-1/2IT17$
	<b>Norma Standard</b>	ISO 4759-1
<b>Surface finish</b>	<b>normal</b>	As processed
	<b>hot dip galvanized</b>	EN ISO 10684
	<b>inne other</b>	According to agreement
<b>Surface finish</b>	Limits for surface discontinuities are covered in hot dip galvanized are covered in EN 26157-1	
<b>Acceptability</b>	Acceptance procedure are covered in ISO 3269	

<sup>a)</sup> for hot dip galvanized bolts tolerance apply prior to galvanizing.