



Datasheet

316L Key Steel

RS Stock Nos. 770-3576, 770-3579, 770-3573, 770-3582, 770-3585, 770-3589, 770-3598, 770-3591, 770-3595, 770-3605, 770-3608, 770-3602, 770-3611, 770-3614, 770-3618, 770-3627

1. Product

Grade DIN 1.4571, 316TI Stainless Key Steel.

2. Product Description

300mm length of key steel, in the following sizes: 3/16"sq, 1/4"sq, 3x3mm, 4x4mm, 5x5mm, 6x6mm, 8x7mm, 8x8mm, 10x10mm, 10x8mm, 12x12mm, 12x8mm, 16x10mm, 18x11mm, 20x12mm, 14x9mm

3. Composition

3.1 Physical composition - % by mass

Element	Values	Unit
Carbon	0.08	%
Silicon	1.00	%
Manganese	2.00	%
Phosphorus	0.045	%
Sulphur	0.015	%
Chromium	16.5-18.5	%
Molybdenum	2.00-2.50	%
Nickel	10.5-13.5	%
Titanium	5xC/0.7	%

4. Tolerance and Characteristics

	Value	Unit
Hardness	183	HB
Tensile Strength	510N/mm2	N/mm2
Width/Length	7703576 - +0/-0.002	inch
Width/Length	7703579 - +0/-0.003	inch
Width/Length	7703573 - +0/-0.025	mm
Width/Length	7703582 - +0/-0.03	mm
Width/Length	7703585 - +0/-0.03	mm
Width/Length	7703589 - +0/-0.03	mm
Width/Length	7703591 - +0/-0.09	mm
Width/Length	7703595 - +0/-0.09	mm
Width/Length	7703608 - +0/-0.11	mm

7703598, 7703605, 7703602, 7703611, 7703614, 7703618, 7703627 are h9 width and h11 height.