

# Stainless Steel

## Mechanical Properties

Hardness HV (Vickers)

Condition	Grade										
	301	302	304	304 L	316	316 L	321	409	410	420	430
Annealed	≤ 195	≤ 200	≤ 180	≤ 180	≤ 195	≤ 195	≤ 195	≤ 180	≤ 195	≤ 200	≤ 180
1/4 Hard	260/310	270/320	250/300	240/290	270/320	270/320	270/320	-	-	-	-
1/2 Hard	310/360	310/380	300/350	290/340	320/370	320/370	320/370	-	-	-	-
3/4 Hard	360/410	370/430	350/400	340/390	370/420	370/420	370/420	-	-	-	-
Hard	390/440	410/470	390/440	380/430	410/460	400/450	-	-	-	-	-
Full-hard	430/510	450/520	-	-	-	-	-	-	-	-	-

Tensile strength (kgf/mm<sup>2</sup>)

Condition	Grade										
	301	302	304	304 L	316	316 L	321	409	410	420	430
Annealed	≤ 80	-	≤ 75	≤ 70	≤ 80	≤ 80	≤ 80	≤ 180	≤ 195	≤ 80	≤ 80
1/4 Hard	85/105	-	80/100	80/100	90/110	90/110	90/110	-	-	-	-
1/2 Hard	105/125	-	100/120	100/120	110/130	110/130	110/130	-	-	-	-
3/4 Hard	120/140	-	115/135	115/135	125/145	125/145	125/145	-	-	-	-
Hard	130/150	-	135/155	135/155	145/165	140/160	-	-	-	-	-
Full-hard	140/180	-	-	-	-	-	-	-	-	-	-



**Our steel  
goes into your  
product.**

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