

HM Wire International, Inc.

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Tensile Strength of Cold Drawn Cr-Ni Stainless Steel Wire Diameter Range of 0.126 - 0.375"

AISI TYPE	TEMPER	YIELD-ksi	TENSILE-ksi	ELONG.%
302	1/4 hard	90-125	120-140	15-25
	1/2 hard	120-150	145-176	10-17
	3/4 hard	150-180	170-200	5-10
	*Full hard	180-220	190-230	2-5
*Typical of wires used in making stranded wire rope				
304	1/4 hard	90-110	120-140	20-30
	1/2 hard	120-140	130-170	10-18
	3/4 hard	140-170	170-200	5-10
	Full hard	170-210	200-240	2-5
309S	1/4 hard	80-90	110-130	15-25
	1/2 hard	105-125	125-155	10-11
	3/4 hard	125-150	140-180	8-12
	Full hard	150-185	160-190	4-8
310S	1/4 hard	80-90	110-130	15-25
	1/2 hard	105-125	125-155	10-11
	3/4 hard	125-150	140-180	8-12
	Full hard	150-185	160-195	3-6
316	1/4 hard	80-100	110-130	20-30
	1/2 hard	105-125	135-155	12-20
	3/4 hard	135-165	165-195	8-12
	Full hard	155-185	185-215	3-6
321	1/4 hard	90-110	120-140	20-30
	1/2 hard	120-140	150-170	10-18
	3/4 hard	140-170	170-200	5-10
	Full hard	170-210	200-240	2-5
347	1/4 hard	85-105	115-135	15-25
	1/2 hard	110-130	140-160	10-13
	3/4 hard	140-170	170-200	5-10
	Full hard	160-190	190-220	3-6