



HSM Wire International, Inc.

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Mechanical Properties for Types 302, 304 & 316L

The minimum tensile strength for straightened and cut lengths shall be 90% of the values listed in the table. Spring Temper values are in accordance with ASTM A-313.

Finished Diameter (Inches)	Type 302 and 304				Type 316L	
	Spring Temper (KSI)		Hyten (KSI)		Spring Temper (KSI)	
	Min	Max	Min	Max	Min	Max
Up to .009 in.	325	355	425	455	245	275
Over .009 to .010	320	350	420	450	245	275
Over .010 to .011	318	348	418	448	240	270
Over .011 to .012	316	346	410	440	240	270
Over .012 to .013	314	344	405	435	240	270
Over .013 to .014	312	342	400	430	240	270
Over .014 to .015	310	340	395	425	240	270
Over .015 to .016	308	338	390	420	235	265
Over .016 to .017	306	336	386	416	235	265
Over .017 to .018	304	334	384	414	235	265
Over .018 to .020	300	330	382	412	235	265
Over .020 to .022	296	326	380	410	235	265
Over .022 to .024	292	322	-	-	235	265
Over .024 to .026	291	320	-	-	235	265
Over .026 to .028	289	318	-	-	235	265
Over .028 to .031	285	315	-	-	235	265
Over .031 to .034	282	310	-	-	235	265
Over .034 to .037	280	308	-	-	235	265
Over .037 to .041	275	304	-	-	235	265
Over .041 to .045	272	300	-	-	230	260
Over .045 to .050	267	295	-	-	230	260
Over .050 to .054	265	293	-	-	225	255
Over .054 to .058	261	289	-	-	220	250
Over .058 to .063	258	285	-	-	220	250
Over .063 to .070	252	281	-	-	215	245
Over .070 to .075	250	278	-	-	215	245
Over .075 to .080	246	275	-	-	210	240
Over .080 to .087	242	271	-	-	205	235
Over .087 to .095	238	268	-	-	205	235
Over .095 to .105	232	262	-	-	200	230