

STAINLESS STEEL WIRE FOR COLD HEADING

Stainless Steel Wire for Cold Heading is made by high quality wire rod and special heat treatment process. This enables customers to obtain products of excellent surface and metal structure necessary for superior products in spite of severe pressure condition.

Classification

Type	Grade	Symbol	Dia. (mm)	Surface Finish
Austenite	304 302HQ(XM-7) 316 305 304J3	WSA	0.8 ~ 10.0	Bright S-Co Z-Co
	304 302HQ(XM-7) 316 305 304J3	WSB	0.8 ~ 20.0	
Ferrite	430	WSB	0.8 ~ 20.0	
Martensite	410	WSB	0.8 ~ 20.0	

Tolerance & Ovality of Diameter & Allowance Range of Pit Depth

Dia. (mm)	Tolerance (mm)	Ovality (mm)	Allowance of Pit depth (mm)
0.80 ~ 3.00	+0, -0.025	0.013	0.03 under
3.01 ~ 6.00	+0, -0.030	0.015	0.04 under
6.01 ~ 10.00	+0, -0.040	0.02	0.05 under
10.01 ~ 20.00	+0, -0.050	0.025	0.06 under

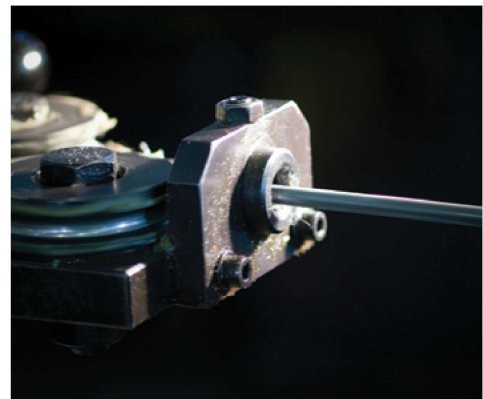




▪ Mechanical Properties

Symbol	Grade	Dia. (mm)	Tensile Strength (N/mm ²)	Elongation (%)	Reduction of Area Rate (%)
WSA	302HQ (XM-7)	2.00 under	480 ~ 630	30 over	70 over
		2.00 over	440 ~ 590	40 over	
	304J3 304	2.00 under	560 ~ 710	30 over	70 over
		2.00 over	510 ~ 660	40 over	
	316	2.00 under	560 ~ 710	20 over	70 over
		2.00 over	510 ~ 660	30 over	
305	2.00 under	530 ~ 680	30 over	70 over	
	2.00 over	490 ~ 640	40 over		
WSB	302HQ (XM-7)	2.00 under	500 ~ 680	20 over	65 over
		2.00 over	450 ~ 630	25 over	
	304J3 304	2.00 under	580 ~ 760	20 over	65 over
		2.00 over	530 ~ 710	25 over	
	316	2.00 under	580 ~ 760	10 over	65 over
		2.00 over	530 ~ 710	20 over	
	305	2.00 under	560 ~ 740	20 over	65 over
		2.00 over	510 ~ 690	25 over	
	430	2.00 under	500 ~ 700	-	65 over
		2.00 over	450 ~ 600	10 over	
	410	2.00 under	540 ~ 740	-	65 over
		2.00 over	460 ~ 640	10 over	

▪ Headability & Corrosion Resistance



▪ Packing

Dia. (mm)	Coil I.D (Inch)	WSA			Coil I.D (Inch)	WSB	
		Unit Weight (Kg)				Unit Weight (Kg)	
		Coil	Carrier	Pay-off Drum		Coil	Carrier
0.80 ~ 1.80	16	60	200	200	16	50	250
1.81 ~ 2.90	24	80	300	-	24	100	300
2.91 ~ 6.00	24	100	600	-	24	250	600
4.50 ~ 8.00	-	-	-	-	28	500	900
6.01 ~ 10.00	28 ~ 30	600	1000	-	-	-	-
8.00 ~ 20.00	-	-	-	-	30 ~ 40	600	1500