Stanvac
INTERNATIONAL
YOUR TRUSTED PARTNER

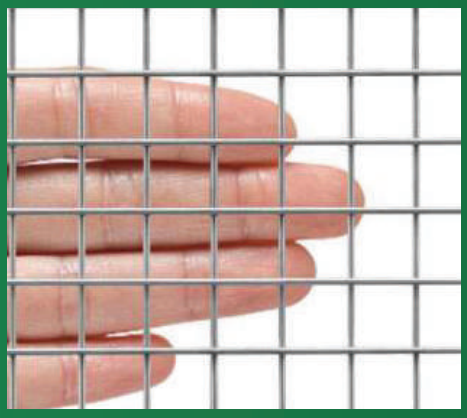
2022 - 23
EDITION

STAINLESS STEEL WIRES

WORLD CLASS
PRODUCTS

STANVAC INTERNATIONAL LTD.

WIDE PRODUCT RANGE



Electro Polishing Quality Wires

Cold Heading Quality Wires

Stainless Steel Tie Wires

Spring Quality Wires

Stainless Steel Wires/ Earthing Wires

Stainless Steel MIG/ TIG Wires

WORLD CLASS QC EQUIPMENTS

Computerised UTM

Mechanical Lab

Spectrometer

STAINLESS STEEL MIG WIRES

SIZE RANGE:

Size in mm :	0.60 To 1.60
Size in Inch :	0.025" To 0.062"

FINISH:

Bright & Matt Finish.

PACKAGING:

- ★ 12.5 Kgs/ 25 Lbs, 15 Kgs/ 30 Lbs/ 33lbs Layer Wound Plastic/ Metallic Spool.
- ★ 5 Kgs/ 10 Lbs Layer Wound Plastic Spool.
- ★ 1 Kg/ 2lbs Layer Wound Plastic Spool.
- ★ Wooden Reels of 250 Kgs/ 550 Lbs.
- ★ In Drums of 100-250 Kgs (200-550 Lb).

GRADES:

AWS	307	307Si	308L	308LSi	309LSi	309LMo	309L	310	312	316L	316LSi	317L	318
W.Nr	1.4370	1.4370	1.4316	1.4316	1.4332	1.4332	1.4459	1.4842	1.4337	1.4430	1.4430	1.4438	1.4576

AWS	318Si	347	347Si	410	420	430	430LNB	409	409CB	409Ti	410NiMo	2209
W.Nr.	1.4576	1.4451	1.4451	0.4006	1.4021	1.4016	1.4511	—	—	—	—	—

MIG WIRE IN DRUM PACKING

SIZE RANGE:

Size in mm :	0.80 To 1.60
Size in Inch :	0.034" To 0.062"

FINISH:

Bright & Matt Finish.

PACKAGING:

- ★ In Drums of 100-250 Kgs (200-550 Lb)
- ★ Wooden Reels of 250 Kgs/ 550 Lbs

GRADES:

AWS	307	307Si	308L	308LSi	309L	309LSi	309LMo	310	312	316L	316LSi	317L	318
W.Nr.	1.4370	1.4370	1.4316	1.4316	1.4332	1.4332	1.4459	1.4842	1.4337	1.4430	1.4430	1.4438	1.4576

STAINLESS STEEL TIG WIRES

SIZE RANGE:

Size in mm :	0.80 To 5.00
Size in Inch :	0.034” To 0.1875”

FINISH:

Bright Finish

PACKAGING:

In Fiber/ Plastic Tubes of 2 Kg/ 4lbs, 5kg/ 10lbs, Also available in Bulk.

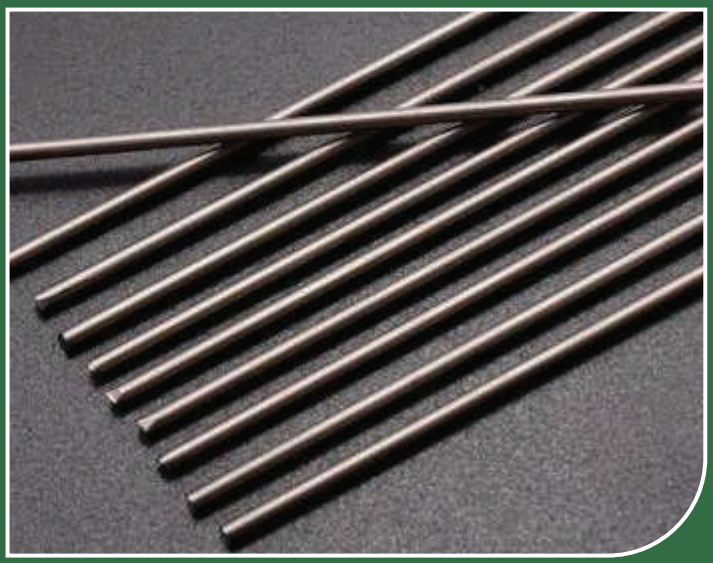
STAINLESS STEEL SUBARC WIRES

SIZE RANGE:

Size in mm :	1.60 mm to 4.00 mm
Size in Inch :	0.062” to 0.156”

PACKAGING:

Layer Wound Coils
(With Fiber Core)/K415 Spools
of 25 Kgs./ 50lbs./ 60lbs.



STAINLESS STEEL WELDING ELECTRODE QUALITY CORE WIRES

SIZE RANGE:

Size in mm :	1.60 mm to 5.00 mm
Size in Inch :	0.062” to 0.1875”

PACKAGING:

In Cut Length or In Coils

GENERAL USE STAINLESS STEEL WIRE (EPQ, SOFT ANNEALED)

GENERAL APPLICATION

Wire suitable for general purpose usage. Available in all types of grades for different applications. Wires are used for the manufacture of wire ropes, chains, pins, bolts, hooks, spoke wires etc...

SIZE RANGE:

Size in mm :	0.70 To 10
Size in Inch :	0.028" To 0.393"

FINISH:

Soap Drawn (Matte Finish)/ Grease Drawn (Bright Finish) :- Cleaned or with residual lubricant.

GRADES:

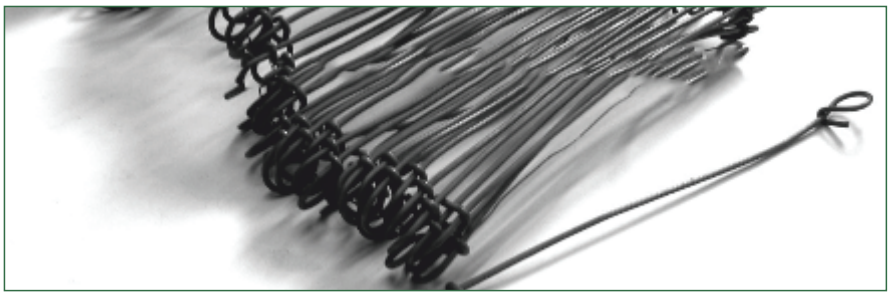
AWS	201	202	204. Cu	301	302	303	304	304L	305	309	309S	310
W.Nr.	1.4372 (3.5% - 5.5% Nl)	1.4370/71	1.4597	1.4310	1.4310	1.4305	1.4301	1.4306/7	1.4303	1.4828	1.4832/33	1.4845

AWS	310S	314	316	316L	316Ti	321	409Ti	410	420	430	431	434
W.Nr.	1.4845	1.4841	1.4401	1.4404	1.4571	1.4541	1.4512	0.4006	1.4021	1.4016	1.4057	1.4113

PACKAGING:

	Spools (Plastic/ Metal)	Drums	Bare Coils	Carrier	Reels (metal/ wodden)	Cheese Coil (Aero Pack)	Handi Pack
00.71 to 01.20 mm	✓	✓	✓	✓	✓		✓
01.21 to 01.80 mm		✓	✓	✓	✓		✓
01.81 to 04.80 mm			✓	✓	✓	✓	
04.81 to 04.80 mm			✓	✓		✓	
08.00 to 10.00 mm			✓	✓			

- ★ **Spools (Plastic/ Metal)**
- ★ **Drums**
- ★ **Bare Coils**
- ★ **Carrier**
- ★ **Metal/ Wooden Reels**
- ★ **Cheese Coils(Acro Pack)**
- ★ **Handi Pack**



(I) Equivalent DIN/ AFNOR/ B.S/ JIS/ GOST/ UNI are supplied.

(II) Customized chemistries are available to best suit your application.

STAINLESS STEEL SPRING WIRE

SPRING WIRES/ WIRE FOR SHOT PENNING / SS BALLS

tanvac stainless steel spring wire, is manufactured with excellent mechanical properties, for uniformity in spring forming. Our spring wire is processed under quality control with close adherence to the cast, wrap, helix and bend test of the wire and suitable surface finish. This type of wire is painstakingly finished to eliminate flaws which reduce fatigue strength i.e. lateral and longitudinal cracks, pits and marks.

SIZE RANGE:

Size in mm :	0.20 To 0.70	**Size in mm :**	0.70 To 6.00
Size in Inch :	0.008" To 0.028"	**Size in Inch :**	0.028" To 0.236"

GRADES:

AWS	302	304	316
W.Nr.	1.4310	1.4301	1.4401

FINISH:

Bright / Matte - soap Gel Coated

SPECIAL FEATURES:

- ★ Smooth Surface
- ★ High Corrosion Resistance
- ★ Excellent Heat Resistance
- ★ Superior Coiling Efficiency
- ★ High Fatigue Strength
- ★ Gel Coating / Powder Coaring

SPRINGS WIRE ARE PRODUCED AS PER:

- ★ ASTM A313/ JIS G4314/ BS EN 10270
- ★ DIN 17440
- ★ ISO 4454

Classification	Specification		Chemical Composition										other
	JIS	AISI	C	Si	Mn	P	S	Ni	Cr	Mo	Cu	N	
Martensitic Grades	SUS403	403	Max.0.15	Max.0.50	Max.1.00	Max.0.040	Max.0.030	(1)	11.50~13.00	-	-	-	-
	SUS410	410	Max.0.15	Max.1.00	Max.1.00	Max.0.040	Max.0.030	(1)	11.50~13.50	-	-	-	-
	SUS410J1	-	0.08~0.18	Max.0.60	Max.1.00	Max.0.040	Max.0.030	(1)	11.50~14.00	0.30~0.60	-	-	-
	SUS410F2	-	Max.0.15	Max.1.00	Max.1.00	Max.0.040	Max.0.030	(1)	11.50~13.50	-	-	-	Pb 0.05~0.30
	SUS416	416	Max.0.15	Max.1.00	Max.1.25	Max.0.060	Min.0.15	(1)	12.00~14.00	(2)	-	-	-
	SUS420J1	420	0.16~0.25	Max.1.00	Max.1.00	Max.0.040	Max.0.030	(1)	12.00~14.00	-	-	-	-
	SUS420J2	420	0.26~0.40	Max.1.00	Max.1.00	Max.0.040	Max.0.030	(1)	12.00~14.00	-	-	-	-
	SUS420F	420F	0.26~0.40	Max.1.00	Max.1.25	Max.0.060	Min.0.15	(1)	12.00~14.00	(2)	-	-	-
	SUS420F2	-	0.26~0.40	Max.1.00	Max.1.00	Max.0.040	Max.0.030	(1)	12.00~14.00	-	-	-	Pb 0.05~0.30
	SUS431	431	Max.0.20	Max.1.00	Max.1.00	Max.0.040	Max.0.030	1.25~2.50	15.00~17.00	-	-	-	-
	SUS440A	440A	0.60~0.75	Max.1.00	Max.1.00	Max.0.040	Max.0.030	(1)	16.00~18.00	(3)	-	-	-
	SUS440B	440B	0.75~0.95	Max.1.00	Max.1.00	Max.0.040	Max.0.030	(1)	16.00~18.00	(3)	-	-	-
	SUS440C	440C	0.95~1.20	Max.1.00	Max.1.00	Max.0.040	Max.0.030	(1)	16.00~18.00	(3)	-	-	-
	SUS440F	S44020	0.95~1.20	Max.1.00	Max.1.25	Max.0.060	Min.0.15	(1)	16.00~18.00	(3)	-	-	-
Ferritic Grades	SUS405	405	Max.0.08	Max.1.00	Max.1.00	Max.0.040	Max.0.030	-	11.50~14.50	-	-	-	Al 0.10~0.30
	SUS410L	-	Max.0.03	Max.1.00	Max.1.00	Max.0.040	Max.0.030	-	11.00~13.50	-	-	-	-
	SUS430	430	Max.0.12	Max.0.75	Max.1.00	Max.0.040	Max.0.030	-	16.00~18.00	-	-	-	-
	SUS430F	430F	Max.0.12	Max.1.00	Max.1.25	Max.0.060	Min.0.15	-	16.00~18.00	(2)	-	-	-
	SUS434	434	Max.0.12	Max.1.00	Max.1.00	Max.0.040	Max.0.030	-	16.00~18.00	0.75~1.25	-	-	-
	SUS447J1	-	Max.0.01	Max.0.40	Max.0.40	Max.0.030	Max.0.020	-	28.50~32.00	1.50~2.50	-	Max.0.015	-
	SUSXM27	-	Max.0.01	Max.0.40	Max.0.40	Max.0.030	Max.0.020	-	25.00~27.50	0.75~1.50	-	Max.0.015	-
Austenitic Ferritic Grades	SUS329J1	329	Max.0.08	Max.1.00	Max.1.50	Max.0.040	Max.0.030	3.00~6.00	23.00~28.00	1.00~3.00	-	-	-
	SUS329J3L	S31803	Max.0.03	Max.1.00	Max.2.00	Max.0.040	Max.0.030	4.50~6.50	21.00~24.00	2.50~3.50	-	0.08~0.20	-
	SUS329J4L	S31260	Max.0.03	Max.1.00	Max.1.50	Max.0.040	Max.0.030	5.50~7.50	24.00~26.00	2.50~3.50	-	0.08~0.30	-
Austenitic Grades	SUS201	201	Max.0.15	Max.1.00	5.50~7.50	Max.0.060	Max.0.030	3.50~5.50	16.00~18.00	-	-	0.25??	-
	SUS202	202	Max.0.15	Max.1.00	7.50~10.00	Max.0.060	Max.0.030	4.00~6.00	17.00~19.00	-	-	Max.0.25	-
	SUS301	301	Max.0.15	Max.1.00	Max.2.00	Max.0.045	Max.0.030	6.00~8.00	16.00~18.00	-	-	-	-
	SUS302	302	Max.0.15	Max.1.00	Max.2.00	Max.0.045	Max.0.030	8.00~10.00	17.00~19.00	-	-	-	-
	SUS303	303	Max.0.15	Max.1.00	Max.2.00	Max.0.200	Min.0.15	8.00~10.00	17.00~19.00	(2)	-	-	-
	SUS303Se	303Se	Max.0.15	Max.1.00	Max.2.00	Max.0.200	Max.0.060	8.00~10.00	17.00~19.00	-	-	-	Se Min.0.15
	SUS303Cu	-	Max.0.15	Max.1.00	Max.3.00	Max.0.200	Min.0.15	8.00~10.00	17.00~19.00	(2)	1.50~3.50	-	-
	SUS304	304	Max.0.08	Max.1.00	Max.2.00	Max.0.045	Max.0.030	8.00~10.50	18.00~20.00	-	-	-	-
	SUS304L	304L	Max.0.03	Max.1.00	Max.2.00	Max.0.045	Max.0.030	9.00~13.00	18.00~20.00	-	-	-	-
	SUS304N1	304N	Max.0.08	Max.1.00	Max.2.50	Max.0.045	Max.0.030	7.00~10.50	18.00~20.00	-	-	0.10~0.25	-
	SUS304N2	-	Max.0.08	Max.1.00	Max.2.50	Max.0.045	Max.0.030	7.50~10.50	18.00~20.00	-	-	0.15~0.30	Nb Max.0.15
	SUS304LN	304LN	Max.0.03	Max.1.00	Max.2.00	Max.0.045	Max.0.030	8.50~11.50	17.00~19.00	-	-	0.12~0.22	-
	SUS304J3	-	Max.0.08	Max.1.00	Max.2.00	Max.0.045	Max.0.030	8.00~10.50	17.00~19.00	-	1.00~3.00	-	-
	SUS305	305	Max.0.12	Max.1.00	Max.2.00	Max.0.045	Max.0.030	10.50~13.00	17.00~19.00	-	-	-	-
	SUS309S	309S	Max.0.08	Max.1.00	Max.2.00	Max.0.045	Max.0.030	12.00~15.00	22.00~24.00	-	-	-	-
	SUS310S	310S	Max.0.08	Max.1.50	Max.2.00	Max.0.045	Max.0.030	19.00~22.00	24.00~26.00	-	-	-	-
	SUS316	316	Max.0.08	Max.1.00	Max.2.00	Max.0.045	Max.0.030	10.00~14.00	16.00~18.00	2.00~3.00	-	-	-
	SUS316L	316L	Max.0.03	Max.1.00	Max.2.00	Max.0.045	Max.0.030	12.00~15.00	16.00~18.00	2.00~3.00	-	-	-
	SUS316N	316N	Max.0.08	Max.1.00	Max.2.00	Max.0.045	Max.0.030	10.00~14.00	16.00~18.00	2.00~3.00	-	0.10~0.22	-
	SUS316LN	316LN	Max.0.03	Max.1.00	Max.2.00	Max.0.045	Max.0.030	10.50~14.50	16.50~18.50	2.00~3.00	-	0.12~0.22	-
	SUS316Ti	-	Max.0.08	Max.1.00	Max.2.00	Max.0.045	Max.0.030	10.00~14.00	16.00~18.00	2.00~3.00	-	-	Ti Min.5xC%
	SUS316J1	-	Max.0.08	Max.1.00	Max.2.00	Max.0.045	Max.0.030	10.00~14.00	17.00~19.00	1.20~2.75	1.00~2.50	-	-
	SUS316J1L	-	Max.0.03	Max.1.00	Max.2.00	Max.0.045	Max.0.030	12.00~16.00	17.00~19.00	1.20~2.75	1.00~2.50	-	-
	SUS316F	-	Max.0.08	Max.1.00	Max.2.00	Max.0.045	Min.0.10	10.00~14.00	16.00~18.00	2.00~3.00	-	-	-
	SUS317	317	Max.0.08	Max.1.00	Max.2.00	Max.0.045	Max.0.030	11.00~15.00	18.00~20.00	3.00~4.00	-	-	-
	SUS317L	317L	Max.0.03	Max.1.00	Max.2.00	Max.0.045	Max.0.030	11.00~15.00	18.00~20.00	3.00~4.00	-	-	-
	SUS317LN	-	Max.0.03	Max.1.00	Max.2.00	Max.0.045	Max.0.030	11.00~15.00	18.00~20.00	3.00~4.00	-	0.10~0.22	-
	SUS317J1	-	Max.0.04	Max.1.00	Max.2.50	Max.0.045	Max.0.030	15.00~17.00	16.00~19.00	4.00~6.00	-	-	-
	SUS836L	-	Max.0.03	Max.1.00	Max.2.00	Max.0.045	Max.0.030	24.00~26.00	19.00~24.00	5.00~7.00	-	Max.0.25	-
	SUS890L	-	Max.0.02	Max.1.00	Max.2.00	Max.0.045	Max.0.030	23.00~28.00	19.00~23.00	4.00~5.00	1.00~2.00	-	-
	SUS321	321	Max.0.08	Max.1.00	Max.2.00	Max.0.045	Max.0.030	9.00~13.00	17.00~19.00	-	-	-	Ti Min.5xC%
	SUS347	347	Max.0.08	Max.1.00	Max.2.00	Max.0.045	Max.0.030	9.00~13.00	17.00~19.00	-	-	-	Nb Min.10xC%
	SUSXM7	304Cu	Max.0.08	Max.1.00	Max.2.00	Max.0.045	Max.0.030	8.50~10.50	17.00~19.00	-	3.00~4.00	-	-
	SUSXM15J1	-	Max.0.08	3.00~5.00	Max.2.00	Max.0.045	Max.0.030	11.50~15.00	15.00~20.00	-	-	-	-
Precipitation Hardening Grades	SUS630	S17400	Max.0.07	Max.1.00	Max.1.00	Max.0.040	Max.0.030	3.00~5.00	15.00~17.50	-	3.00~5.00	-	Nb 0.15~0.45
	SUS631	S17700	Max.0.09	Max.1.00	Max.1.00	Max.0.040	Max.0.030	6.50~7.75	16.00~18.00	-	-	-	Al 0.75~1.50

* SUS329J1 denotes austenitic and ferritic stainless steel.

Note:
(1) May contain at most 0.6% Ni.
(2) May have at most 0.6% Mo added.
(3) May have at most 0.75% Mo added.

Remarks:
1) Ferritic SUS447J1 and SUSXM27 may contain at most 0.60% Ni.
SUS447J1 and SUSXM27 may contain at most 0.50% Ni, 0.20% Cu, and 0.50% Ni + Cu; and any alloy element other than listed can be added if required.
2) With SUSXM15J1 any alloy element other than listed can be added if required.

Stanvac®

STANVAC INTERNATIONAL LTD.

Corporate Office: 551, Sector-37, Pace City-II, Gurgaon, Haryana – 122001, India
Ph : +91-9818035558
E-mail : mkp@stanvac.com Web site : www.stanvacinternational.com