

(SD-PLUS) high-strength Stainless steel wire fabric

High-strength stainless steel wire fabrics can be tensioned up to 50 percent higher than conventional types of fabric. The increased screen tension increases the register accuracy and improves the print result with small lift-off.

Product characteristics:

- Higher yield limit
- Higher screen tension
- Reduced lift-off
- Improved printing accuracy by avoiding screen warp age
- More efficient release characteristics
- Longer screen lives
- Improved process capability

Here it is possible for instance to increase the previous fabric SD 71/30 from 30 N/cm to a typical tension value of 45 N/cm depending on usage.

The tension capacity not utilised for clamping produces a clearly longer service life and improves the process capability during screen printing.

					SD-PLUS		SDC-PLUS		
Fabric designation	Mesh	Wire thickness	Mesh number	Open screen area	Fabric thickness	Theoretic colour appl.	Fabric thickness	Theoretic colour appl.	
	w in μm	d in μm	25,4 mm	A _o in %	D in μm	V _{th} cm ³ /m ²	D _c in μm	V _{th} cm ³ /m ²	
SD+	32/18	32	18	500	41 %	36 ± 2	15	32 ± 2	13
SD+	40/23	40	23	400	40 %	46 ± 2	19	40 ± 2	16
SD+	40/25	40	25	400	38 %	50 ± 2	19	42 ± 2	16
SD+	45/18	45	18	400	51 %	36 ± 2	18	31 ± 2	16
SD+	56/16	56	16	350	60 %	33 ± 2	20	27 ± 2	16
SD+	50/28	50	28	325	41 %	56 ± 2	23	49 ± 2	20
SD+	50/30	50	30	325	39 %	60 ± 2	23	50 ± 2	20
SD+	53/24	53	24	325	47 %	48 ± 2	23	38 ± 2	18
SD+	56/32	56	32	300	40 %	64 ± 2	26	52 ± 2	21
SD+	63/36	63	36	250	40 %	72 ± 2	29	61 ± 2	25
SD+	65/20	65	20	300	58 %	40 ± 2	23	30 ± 2	18
SD+	67/25	67	25	280	53 %	50 ± 2	27	40 ± 2	21
SD+	71/30	71	30	250	49 %	60 ± 2	30	48 ± 2	24
SD+	75/36	75	36	230	46 %	72 ± 2	33	59 ± 2	27
SD+	80/30	80	30	230	53 %	60 ± 2	32	49 ± 2	26
SD+	85/25	85	25	230	60 %	50 ± 2	30	37 ± 2	22
SD+	90/36	90	36	200	51 %	72 ± 2	37	57 ± 2	29
SD+	90/40	90	40	200	48 %	80 ± 2	38	65 ± 2	31
SD+	98/30	98	30	200	59 %	60 ± 2	35	47 ± 2	28
SD+	265/50	265	50	80	71 %	100 ± 2	71	60 ± 2	42

Standard versions (SD-PLUS), calandered versions (SDC-PLUS)

*Subject to technical changes