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STEEL CORPORATION

An ISO 9001 : 2015 Certified Company

Dealers in:

HARDENED TEMPERED & ANNEALED SPRING STEEL STRIPS
 23/27, Kumbharwada, 2nd Lane, (Sant Sena Maharaj Marg), Mumbai - 400 004. (India)

COMPARISON CHART OF VARIOUS GRADES OF SPRING STEEL STRIPS

NO.	CHEMICAL	SYMBOLS	GRADES					
			C-40	C-45	C-55	C-60	C-62	C-67S
1	CARBON (%)	C	0.35 TO 0.45	0.40 TO 0.50	0.50 TO 0.60	0.57 TO 0.65	0.60 TO 0.67	0.65 TO 0.73
2	SILICON (%)	Si	0.35 MAX	0.35 MAX	0.35 MAX	0.35 MAX	0.35 MAX	0.35 MAX
3	MANGANESE (%)	Mn	0.60 TO 0.90	0.60 TO 0.90	0.60 TO 0.90	0.60 TO 0.90	0.60 TO 0.90	0.60 TO 0.90
4	PHOSPHOROUS (%)	P	0.025 MAX	0.025 MAX	0.025 MAX	0.025 MAX	0.025 MAX	0.025 MAX
5	SULPHUR (%)	S	0.025 MAX	0.025 MAX	0.025 MAX	0.025 MAX	0.025 MAX	0.025 MAX
6	CHROMIUM (%)	Cr	NA	NA	NA	NA	NA	0.40 MAX
7	VANADIUM (%)	V	NA	NA	NA	NA	NA	NA
8	MOLYBEDNUM (%)	Mo	NA	NA	NA	NA	NA	NA
9	NICKEL (%)	Ni	NA	NA	NA	NA	NA	0.40 MAX

NO.	CHEMICAL	SYMBOLS	GRADES					
			C-75	C-80	C-85	EN47	C-98	C-100S
					(SK-5)	(50CRV4/51CRV4)		
1	CARBON (%)	C	0.70 TO 0.80	0.75 TO 0.85	0.80 TO 0.90	0.47 TO 0.55	0.95 TO 1.05	0.95 TO 1.05
2	SILICON (%)	Si	0.35 MAX	0.35 MAX	0.35 MAX	0.40 MAX	0.35 MAX	0.35 MAX
3	MANGANESE (%)	Mn	0.60 TO 0.90	0.60 TO 0.90	0.40 TO 0.70	0.70 TO 1.10	0.30 TO 0.60	0.30 TO 0.60
4	PHOSPHOROUS (%)	P	0.025 MAX	0.025 MAX	0.025 MAX	0.025 MAX	0.025 MAX	0.025 MAX
5	SULPHUR (%)	S	0.025 MAX	0.025 MAX	0.025 MAX	0.025 MAX	0.025 MAX	0.025 MAX
6	CHROMIUM (%)	Cr	NA	NA	0.20 MAX	0.90 TO 1.20	NA	0.40 MAX
7	VANADIUM (%)	V	NA	NA	NA	0.10 TO 0.25	NA	NA
8	MOLYBEDNUM (%)	Mo	NA	NA	NA	NA	NA	NA
9	NICKEL (%)	Ni	NA	NA	0.20 MAX	0.40 MAX	NA	0.40 MAX