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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

			GRADES					
NO.	CHEMICAL	SYMBOLS	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

			GRADES					
NO.	CHEMICAL	SYMBOLS	C-75	C-80	C-85 (SK-5)	EN47 (50CRV4/51CRV4)	C-98	C-100S
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

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GRADE AVAILABILITY AND ORDER DETAILS

GRADE	STOCK AND ORDER CONDITIONS
C55, C80	Standard sizes are normally in stock.
C40, C45, C60, C62, C67S, C85	Available against order. Minimum order quantity (MOQ) is 3–5 MT. Delivery depends on raw material availability.
C75	We can select coils from C80 stock where the chemical composition meets C75 requirements.
C98, C1005	Imported grades. MOQ and delivery lead time are subject to prevailing sales terms.
EN47	Selected thicknesses are in stock. Other thicknesses can be arranged subject to MOQ and the mill’s lead time.