



Amendment No. 1
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to BS 1429 : 1980

Specification for annealed round steel wire
for general engineering springs

Revised text

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Table 2. Maximum tensile strength for annealed wire according to steel grade

Delete the existing table and substitute the following.

Table 2. Maximum tensile strength
for annealed wire according to
steel grade

Steel grade	Maximum tensile strength
	N/mm ²
090A65	730
070A72	730
060A96	820
735A50	800
685A55	800

NOTE. The maximum tensile strength for grade 090A65 is based on a general usage of approximately 0.65 % to 0.70 % carbon. The higher manganese content specified in table 5 is normally associated with the lower carbon content for large diameter wires.

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Table 5. Chemical composition (cast analysis)

Delete the existing table and substitute the following.

Table 5. Chemical composition (cast analysis)

Steel grade	C		Si		Mn		S	P	Cr		V
	Min.	Max.	Min.	Max.	Min.	Max.			Min.	Max.	Min.
	%	%	%	%	%	%			%	%	%
090A65	0.55	0.75	—	0.30	0.60	1.20	See note	See note	—	—	—
070A72	0.70	0.75	0.10	0.35	0.60	0.80			—	—	—
060A96	0.93	1.00	0.10	0.35	0.50	0.70			—	—	—
735A50	0.46	0.54	0.10	0.35	0.60	0.90			0.80	1.10	0.15
685A55	0.50	0.60	1.20	1.60	0.50	0.80			0.50	0.80	—

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Table 6. Minimum hardness requirements
Delete the existing table and substitute the following.
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Steel grade	Oil quenched from temperature of	Minimum hardness
	°C	
090A65	820 to 850	720
070A72	820 to 850	720
060A96	800 to 830	750
735A50	850 to 880	680
685A55	900 to 930	680

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In two places delete the committee reference 'ISE/26' and substitute 'ISM/26'.