



November 17, 2009

LETTER OF COMPLIANCE

SPECIFICATIONS FOR SAE J429 GRADE 8 CAP SCREWS

The following specifications apply to all SAE J429 Grade 8 Hex Head Cap Screws sold by Infasco.

IDENTIFICATION: These cap screws are readily identifiable by the presence of six radial lines, a solid triangle and/or Manufacturer's I.D.

DIMENSIONS: ASME B18.2.1

THREADS: ASME B1.1 CLASS 2A

CHEMICAL ANALYSIS: PER SAE J429

<u>% CARBON</u>	<u>% PHOSPHORUS</u>	<u>% SULFUR</u>
0.28 - 0.55	0.30 max	0.050

Alloying elements that are present in the steel, are indicated in the Fastener Test Report.

RAW MATERIAL: Medium Carbon Alloy Steel

MATERIAL AND MECHANICAL REQUIREMENTS

Diameter	1/4" to 1"	1 1/8" to 1 1/2"
Proof load	120,000 PSI	120,000 PSI
Tensile Strength	150,000 PSI min (10°)	150,000 PSI min (6°)
Core Hardness	RC-33 to RC-39	RC-33 to RC-39
Surface Hardness (30N)	58.6 max	58.6 max
H.T. practice	Austenized, oil quenched and tempered.	
Tempering temperature	800 ° F min	

DECARBURIZATION: ASTM F2328

SURFACE DISCONTINUITIES: SAE J1061 (for dia ≤ 1" and lengths ≤ 6").

MECHANICAL TESTING: ASTM F606, B117, F1470

FINISH: ASTM F1941 Fe/Zn 5 or Fe/Zn 8, (code: A or C) or (code: AT or CT)

TOP COAT: Yellow chromate (Type II) or Clear chromate (Type III)

TESTING FACILITIES: Testing laboratory is accredited by the SCC (Standard Council of Canada) ISO-17025 Certificate number: 398

QUALITY SYSTEM: ISO-9001:2008 Cert. number 4828-2

Should additional information be required, please contact the undersigned.

Sincerely,

Baohong Cao
Director of Metallurgy and Quality Assurance
BC/dl