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**15 December 1986**

**Committee E28 on Mechanical Testing  
Subcommittee E28.06 on Indentation Hardness Testing**

**Research Report E28-1008**

**Interlaboratory Study to Establish Precision Statements for ASTM E10,  
Standard Test Method for Brinell Hardness of Metallic Materials**

ASTM International  
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NOV 24 1986

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ON  
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November 19, 1986

Matthew E. Lieff  
ASTM  
1916 Race Street  
Philadelphia, PA 19103

Dear Matt:

As per our agreement during the October, 1986 meeting of E28.06.05, I have enclosed the study for calculating Brinell Hardness Numbers either from Kgf or Kn that was submitted by Mr. T. Farrell for the incorporation in the revised E10. This study will be entered at Headquarters as a Research Report entitled "RR - E28-1008" for future reference. As a matter of information, the data showed a difference in the third decimal place and is considered to be insignificant in Brinell Hardness calculations.

Joseph A. Chivinsky  
Chairman E28.06

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Enclosure (1)

cc: A. Fee - Page-Wilson Inc.

To ANDY FEE

From TOM FARRELL

Date Oct. 22, 1986

Subject BRINELL CONVERSION

Enclosed is a comparison of the Brinell formula using Kgf's and Kn's. This is what I volunteered to do for the ASTM committee when I was in Pittsburgh.



Tom