# Technical Data

High performance copper alloy

**NKT322** 

### 1. Introduction

# 5. Mechanical Properties

Table.3 Mechanical properties of NKT322 Tensile Strength

Temper

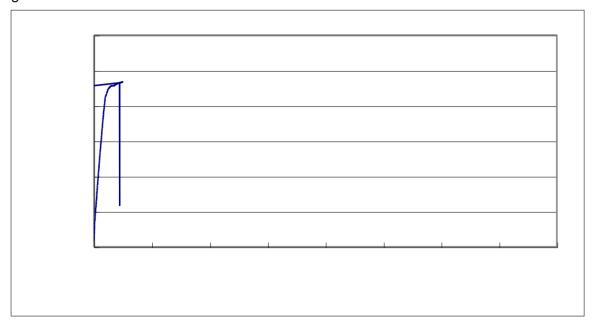
## 7. Fatigue Characteristic

Fatigue Characteristic is important when material is used as spring application such as connectors. Fig. 2 shows results of fatigue tests.

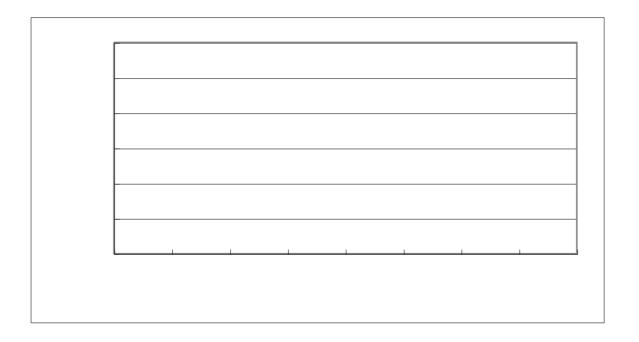
Testing method : According to JIS-Z-2273
Fig. 2 Comparison of Fatigue Strength

#### 9. Stress-Strain Curve

Fig.4 6 shows the Stress-Strain curve for NKT322.



Rolling direction

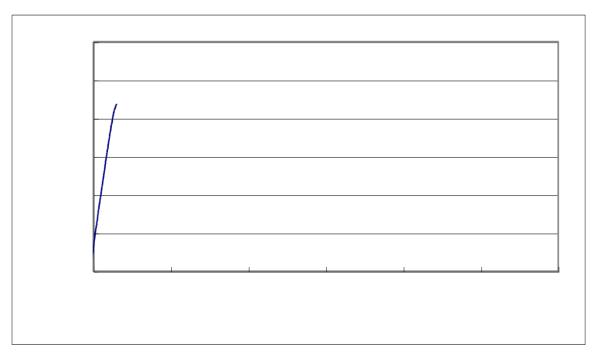


Transverse direction

Fig.4 Stress-Strain curve for NKT322-EH

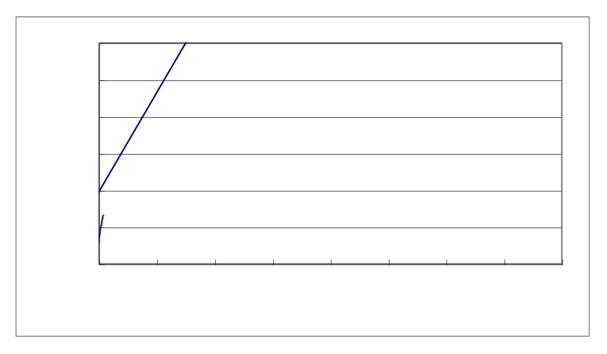


Rolling direction

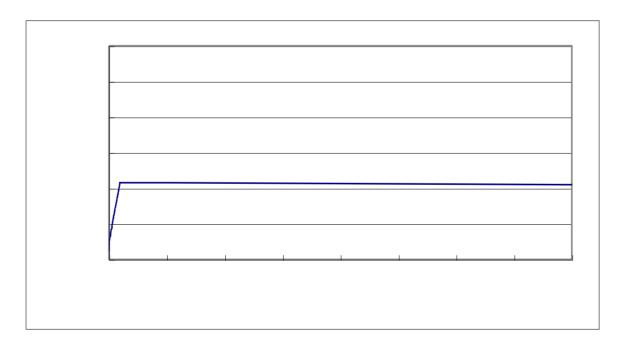


Transverse direction

Fig.5 Stress-Strain curve for NKT322-SH



Rolling direction



Transverse direction

Fig.6 Stress-Strain curve for NKT322-ESH

7

Further Information

JX Nippon