

Bairoe

1. ISO

ISO 12108

ISO 12107

ISO 1352

ISO 1143

ISO 12106

- -

ISO 1099

- -

2. ASTM

ASTM E2207-02

ASTM E1949-03

ASTM E796-94

ASTM E739-91

- S-N - e-N

ASTM E647-05

ASTM E606-04

ASTM E468-90

ASTM E466-96

3. GB

GB/T 3075

GB/T 6398

GB/T 4337

GB/T 7733

GB/T 12443

GB/T 7732

GB/T 21143

GB/T 24176

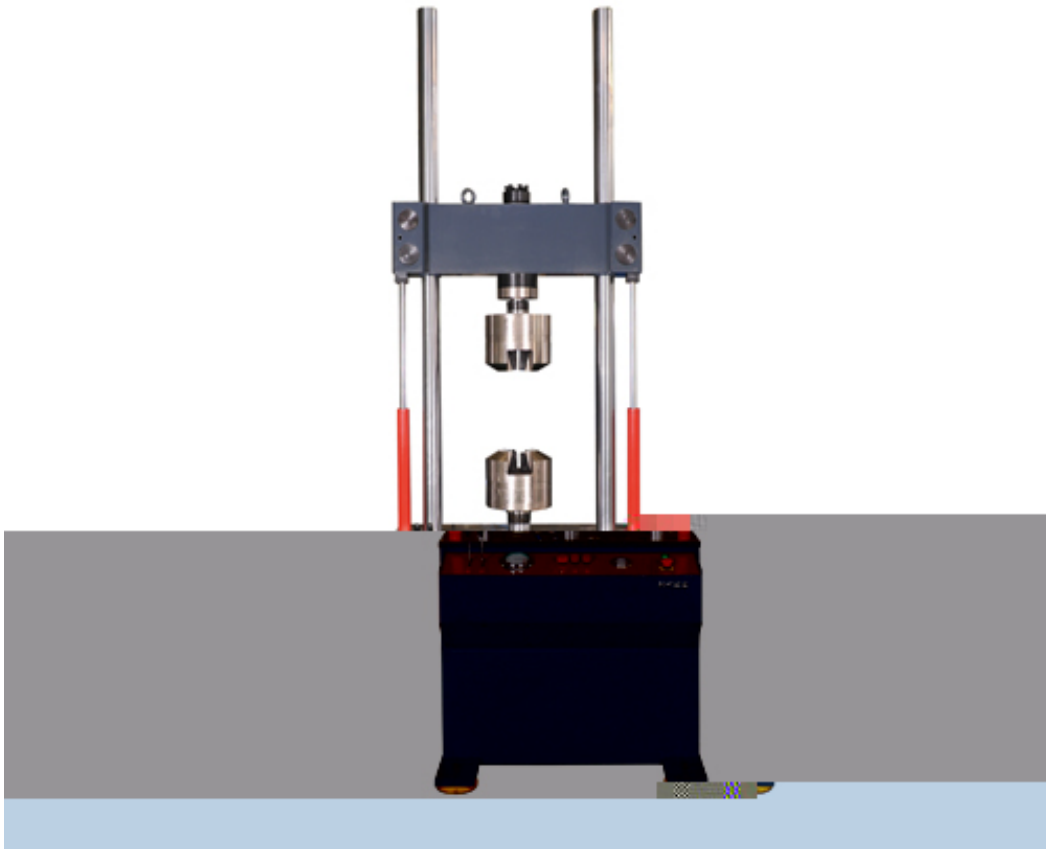
GB/T 2107

GB/T15248

GB/T10622

1.

0.01-50Hz
10kN~1000kN
500 600 1000 2000
100Hz
10 20 50 60 100 200 250



PLW

2.

CT

DCPD



3.

200Hz

() ISO 12108-2002

Metallic materials – Fatigue testing – Fatigue crack growth method

a da/dN K

da/dN
Kth

ISO12737
ISO4965

1)

2)

3)

a

a

N K
N K

10-5mm/cycle

10-5mm/cycle

4)

K

a-N

10-8mm/cycle

() ISO 12106-2003 - -

Metallic materials – Fatigue testing – Axial strain-controlled method

R = -1

-

-

b

c

ISO 1099

ISO 4965

ISO 9513

1

2

3

4

5

6

() ISO 1099-2006

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Metallic materials – Fatigue testing – Axial force-controlled method

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S-N

ISO 554 1976

-

ISO 4278 1997

GPS

ISO 4288 1996

GPS

ISO 4965 1979

ISO 7500-1 2004

1

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1

2

3

4

5

6