

Welding shall be specified by the engineers from “category A” and “category B”. ; the parameters for acceptance shall be the same for both categories. The test range shall be as follows:

- **Welding category “A”**

Success rate of eye testing shall be (100%) before starting later works; the same rate shall be at the completion of the works to ensure its compliance with BS5135 specifications.

- **Welding category “B”**

- Success rate of eye testing shall be not less than (10%) of the works after passing the initial test; and not less than (20%) of every welding after passing the final welding test to ensure its compliance with BS5135 specifications.

2.2.4 Welding Categories

- **Category (A)**

1. Butt welding for metal elements
2. Butt welding for metal elements exposed to loads or high bending moments, as per the judgment of the site engineer

- **Category (B)**

All other welding types not included in category (A)

2.2.5 Nondestructive tests (NDT)

It shall include at minimum the following tests:

- Liquid penetration test
- Magnetic particles test
- Radiation test
- 4. Ultrasound test

All previous tests shall be performed s per BS 5135 Code

2.2.6 Application of nondestructive tests

Welding shall be tested in the following manner:

Welding type	Test
Total penetration for butt welding	100% Ultrasound test 100% Magnetic particles test
Partial penetration for butt welding	100% Ultrasound test 100% Magnetic particles test
Sheet welding	At least (30%)Magnetic particles test or penetration test