# TNS-J series Digital Torsion testing machine (NJS series)



**Specification:**

| Model Number | TNS-J01 | TNS-J02 |
|---|---|---|
| Maximum torque read (N.m) | 100 | 200 |
| Minimum read of torque (N.m) | 0.06 | |
| Available torque range (% of Full scale) | 10-100 | |
| Torsion angle read | 0.05 degree ~ 9999.9 degree | |
| Relative error of torque | Less than 1% | |
| Repeatability relative error of torque | Less than 1% | |
| Sample diameter (recommended) | Φ5-Φ20mm | |
| Sample length (Test space) | 255mm | |
| Power supply | 220V 50Hz/ 60Hz 1 phase | |
| Machine dimension | 960 x 440 x 420mm | |
| Machine weight (without custom accessory) | 120kG | |
| Package dimension | 1370 x 670 x 710mm | |
| Package weight (without custom accessory) | 145kG | |
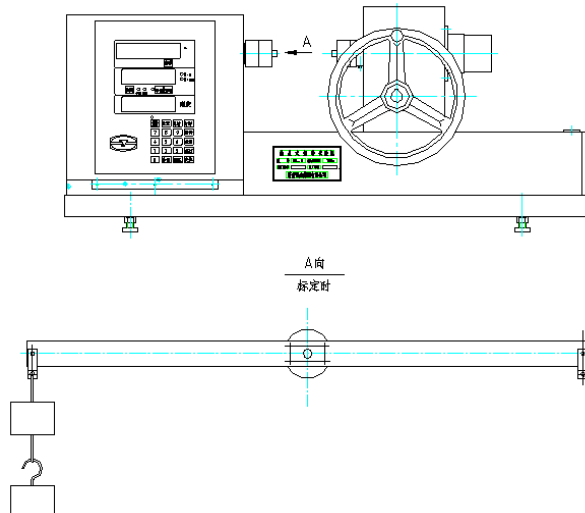


Standard accessory:

1. Machine frame
2. The grips for torsion test
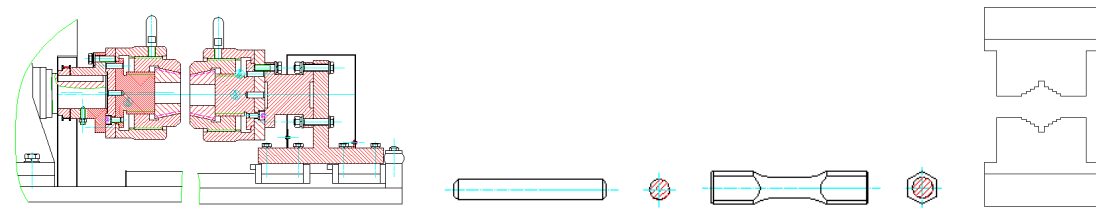3. Lever for calibration
4. The weight for calibration
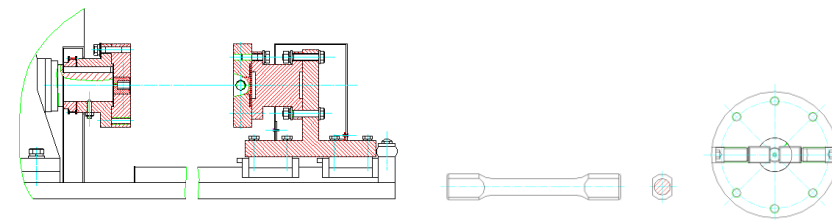
Optional accessory:
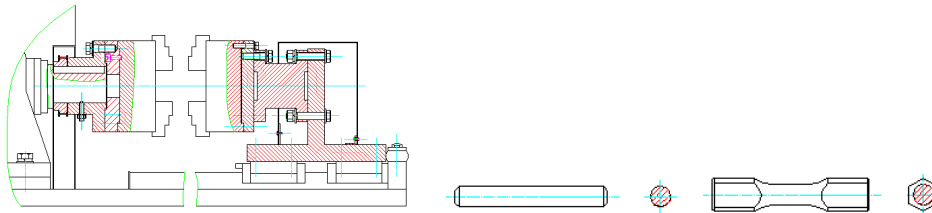
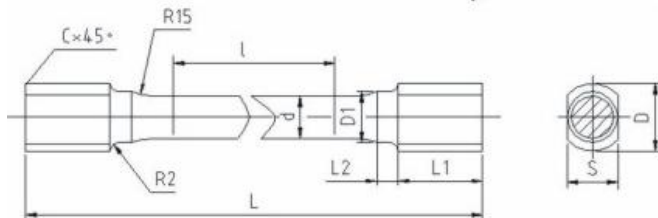Three-Jaws clutch with the shape of specimen.
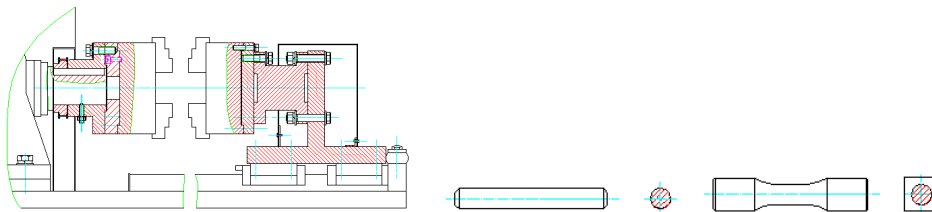
Four-Jaws clutch with the shape of specimen

V-insert clutch with the shape of specimen

Opposite clamp clutch with the shape of specimen

| d | D | D1 | S | l | L1 | L | c | L2 |
|---|---|---|---|---|---|---|---|---|
| 8-11 | 16 | 12 | 12 | 10d | 20 | l+60 | 1 | 5 |
| 12-17 | 24 | 18 | 18 | 10d | 20 | l+70 | 2 | 10 |
| 18-25 | 32 | 27 | 24 | 10d | 30 | l+90 | 3 | 10 |

Sample shape for Original torsion grip