

# TURNBUCKLE MANUAL

## GENERAL

- Turnbuckle is a device for adjusting of wire rope, chain and wire rod.
- The service load of the turn buckle is the linearly acting maximum load.
- Never apply more force than the turnbuckle's assigned Safe Working Load (SWL/WLL) rating.
- Never used for lifting applications.
- Available turnbuckle assembly combinations: Eye and Eye, Hook and Hook, Jaw and Jaw, Hook and Eye, Hook and jaw Jaw and Eye. (In case of SWL of Hook & Eye and Hook & Jaw is following the SWL of Hook & Hook)
- Forged jaw ends are fitted with bolts and nuts for 3/8" through 5/8", and pins and cotters on 3/4" through 2-3/4" sizes.
- Lock Nut is available as per request.
- The locking nut should be used to avoid or reduce the loosening of the turnbuckle.
- The turnbuckle should be inspected for deformation, wearing or defect within at least 6 months.
- The products which exceed the limit of 5% in deformation or wearing should be relieved of their load and replaced with new ones.
- The turn buckle is designed to be assembled with a shackle which is one size lower than the turn buckle

## CAUTION

### Before Use

- Be sure to use personal protection equipment. (Such as footwear, gloves, crash helmet, etc.)
- The work place must always be well lit.
- Remove dangerous articles from the area before work.
- The specification, use condition and use method of the product should be checked and the products should be used in a proper way.
- Check the products for any defect, wearing or deformation. Use only the product whose safety is assured.

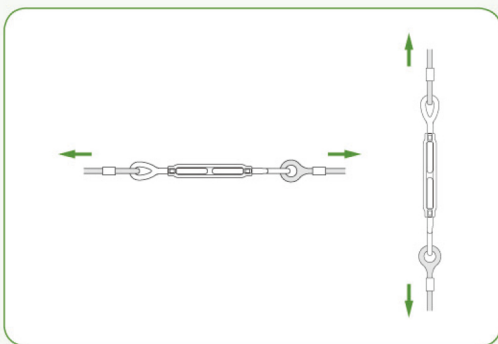
### Using

- Always follow the rules carefully. (Overloading & Improper use can result in injury.)
- Products over the 15kg weight must be used with an appliance tool. (Forklift, cranes, hoists, etc.)
- Where applicable, it is important to locate out of the danger zones. (A falling load may cause serious injury or even death.)
- Never repair, alter, rework, or reshape a hook by welding, heating, burning, bending or grinding.
- Side loading or shocking may cause product's deformation or breaking.
- Jaw end-fitting should be checked to connect with cotter pin. If there is deformation on products, It should be replaced with new ones.

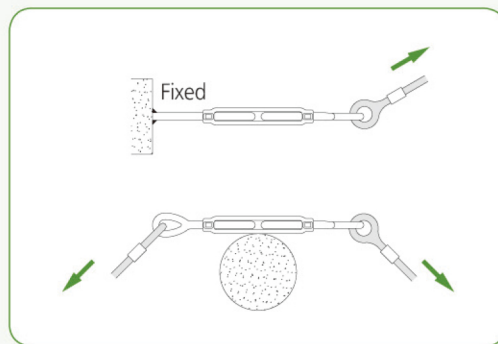
### After Used

- After used products, should be inspected with elongation, wear and defect. If they are founded something wrong, must discard immediately.
- In case of founding something wrong from products, should be checked of the load, working condition, and over-load.

## ■ Safety Use



RIGHT



WRONG

- The SWL means the maximum allowable load against the linear load.

- Side loading or shocking may cause product's deformation or breakage.