

Crosby® Turnbuckles



**HG-223
Hook & Hook**

Meets the performance requirements of Federal Specifications FF-T-791b, Type 1, Form 1 - Class 5, and ASTM F-1145, except for those provisions required of the contractor.



**HG-225
Hook & Eye**

Meets the performance requirements of Federal Specifications FF-T-791b, Type 1, Form 1 - Class 5, and ASTM F-1145, except for those provisions required of the contractor.



**HG - 226
Eye & Eye**

Meets the performance requirements of Federal Specifications FF-T-791b, Type 1, Form 1 - Class 5, and ASTM F-1145, except for those provisions required of the contractor.



**HG - 227
Jaw & Eye**

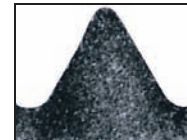
Meets the performance requirements of Federal Specifications FF-T-791b, Type 1, Form 1 - Class 5, and ASTM F-1145, except for those provisions required of the contractor.



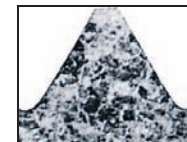
**HG-228
Jaw & Jaw**

Meets the performance requirements of Federal Specifications FF-T-791b, Type 1, Form 1 - Class 5, and ASTM F-1145, except for those provisions required of the contractor.

- Turnbuckle assembly combinations include: Eye and Eye, Hook and Hook, Hook and Eye, Jaw and Jaw & Jaw and Eye.
- End fittings are Quenched and Tempered, bodies heat treated by normalizing.
- Crosby's Quenched and Tempered end fittings and normalized bodies have enhanced impact properties for greater toughness at all temperatures.
- Hot Dip galvanized.
- Hooks are forged with a greater cross sectional area that results in a stronger hook with better fatigue properties.
- Modified UNJ thread on end fittings for improved fatigue properties. Body has UNC threads.
- Turnbuckle eyes are forged elongated, by design, to maximize easy attachment in system and minimize stress in the eye. For turnbuckle size 6.35mm through 63.5mm, a shackle one size smaller can be reeved through eye.
- Forged jaw ends are fitted with bolts and nuts on size 6.35mm - 15.9mm, and pins and cotter on sizes 19.1mm - 70.0mm.
- TURNBUCKLES RECOMMENDED FOR STRAIGHT OR IN-LINE PULL ONLY.
- Lock Nuts available for all sizes.
- Typical hardness levels, Tensile Strengths and Ductility Properties are available for all sizes.
- Turnbuckles can be furnished proof tested or magnaflux inspected with certificates if requested at time of order.
- Crosby products meet or exceed all the requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, Crosby products meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.



Modified thread:
Note stress relieving radii in this unretouched photo enlargement of the supabuckle.



Standard thread:
Note stress building sharp "V" in this unretouched photo enlargement.