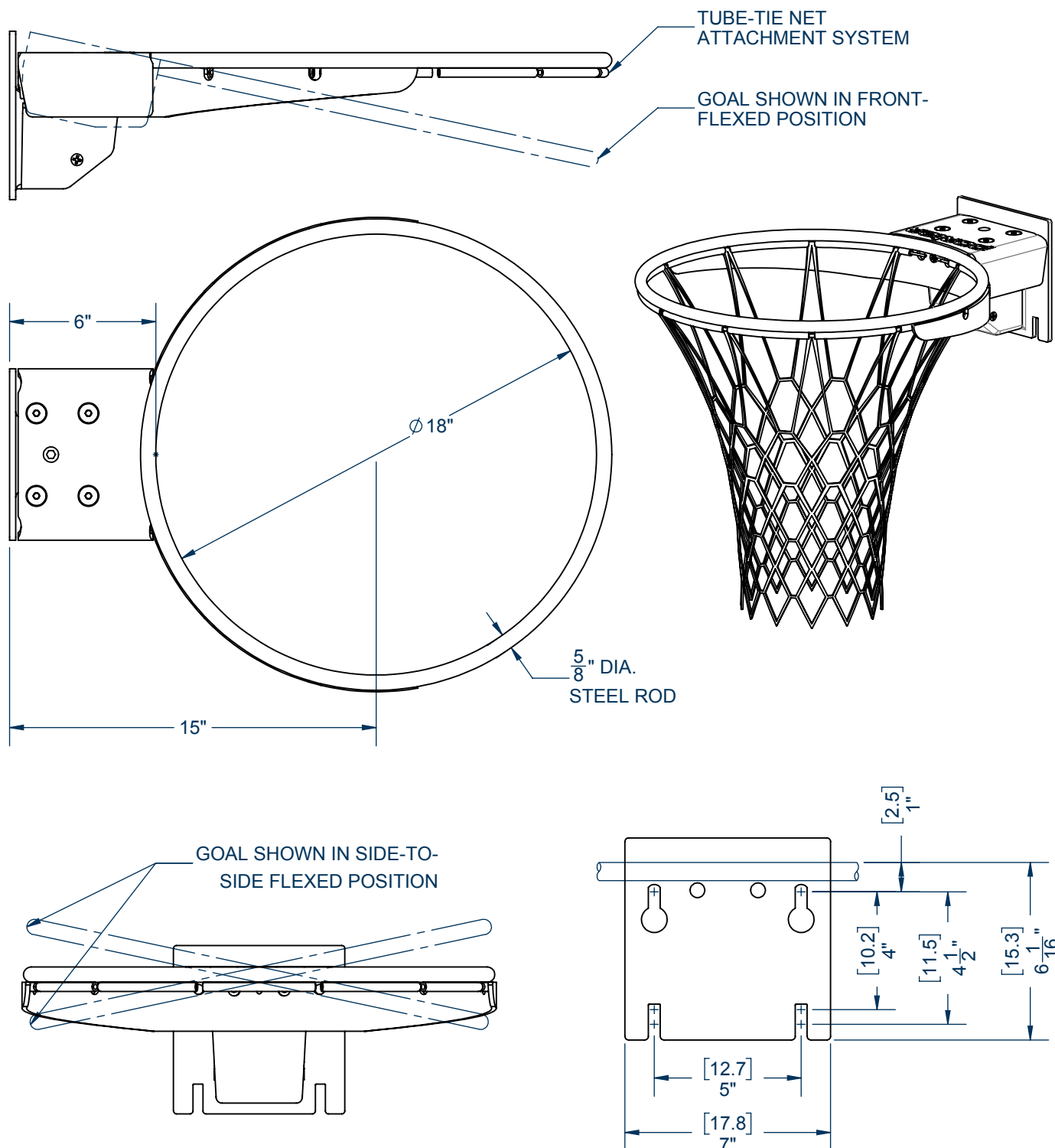


# 280180 - TFX 180° BREAKAWAY GOAL

ADJUSTABLE GOAL WITH MOUNTING HARDWARE AND ANTI-WHIP NET



- 280180 WITH MOUNTING HARDWARE AND ANTI-WHIP NET  
SEE B-200 FOR COMPATIBLE BACKBOARDS

# 280180 - TFX 180° BREAKAWAY GOAL

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## SPECIFICATIONS

Goal shall be designed to protect players and equipment by absorbing shock loads due to slam dunking or hanging on the rim at all levels of competition. Goal inner spring mechanism shall be designed to easily adjust to meet the latest NCAA and FIBA requirements of rebound/elasticity (35 to 50 percent energy absorption) when mounted on any support structure.

Goal shall utilize two heavy duty compression springs and two large diameter, custom bolts to connect a custom steel pivot plate to a steel goal housing on which the goal can flex in a complete 180° radius as players hang on the front or sides of the rim. Parts shall be locally hardened to increase durability. Goal shall incorporate two additional heavy duty compression springs and ball bearings into a 180° breakaway mechanism which enables the goal to withstand any force below 180lbs in 180° radius before flexing downward. Breakaway mechanism shall be adjustable between 180lbs to 250lbs before any flexing motion occurs. Goal shall instantaneously return to the playing position when load is released. Inner spring mechanism shall be designed to decelerate downward motion of goal on impact to provide maximum player safety and minimize undue stresses on the backboard and support system. Non-adjustable goals, goals pivoting in only one plane, or goals incorporating shock absorber type mechanisms shall not be considered as equal. Any goal without an adjustable 180° breakaway mechanism shall not be considered as equal.

Rim shall be fabricated from 5/8" (1.6cm) diameter cold drawn alloy steel, round formed to an 18" (45.7cm) inside diameter ring. Inside diameter of ring shall be positioned 6" (15cm) from face of backboard by a heavy, steel goal mounting housing. Heavy, steel housing shall be fabricated with keyhole-type upper slots and slotted lower attachment points to enable mounting to backboard or direct-mount type support systems without having to remove hardware; this facilitates easy one-person goal installation on any system.

Rim shall be rigidly braced by means of a 3/16" (4.7mm) thick formed and die cut steel brace welded in position on the underside of the rim; steel brace shall encompass approximately 60% of ring weldment for maximum support. Rim shall be provided with a unique "tube-tie" net attachment system to eliminate the conventional wire-formed type net locks for additional player safety.

Goal shall be finished in a durable, official orange powder-coat finish. Durable, anti-whip type net and attachment hardware included.

Goal to be provided with standard mounting centers for attachment to any 3'-6" x 6'-0" (1.07m x 1.83m) rectangular backboard.

For details on compatible backboards see B-200.

## WARRANTY

- 280180 goals furnished with a 7-year limited warranty.

## OPTIONAL ITEMS (SEE SPECIFICATION SHEETS FOR DETAIL)

- Fair-Court® Basketball Rim Testing System (ERT2003NCAA or ERT2003FIBA)