



# TuffCam™ Swing Clamps

Low Profile Rod Position Sensing

## Low Profile Rod Position Sensing Swing Clamps

C-17

- Available for use on both 22kN and 33kN double acting TuffCam™ Low Profile Swing Clamps.
- Remove suffix - PR - and refer to the base model assembly part number for all other dimensions.
- Actuator Rod Position System can be used with a mechanical switch or air logic system to detect when clamped or unclamped position.
- Actuator rod is concentric to plunger shaft.
- All TuffCam™ features apply to these units.
- Standard swing is 90°; swing angles less than 90° require Swing Restrictors (Page C-29). Swing angles greater than 90° are special order products.
- Arm clacking feature is compatible with all standard Vekttek arms. Clacking drawing is on page C-12.
- Actuator rod moves with the same rotary and linear motion as the plunger.



BHC™ (Black Hard Coating) on the cylinder body helps prevent scoring and scratching.

### Low Profile Rod Position Sensing System

Model No.	Clamp Swing Direction	Cylinder Capacity (kN)	A (mm)	Optional Flow Control Model No.*
<b>TuffCam™ Bottom Flange (D/A) clamps, hydraulic retract and extend</b>				
41-4222-21-PR	Right	22	46.5	47-0203-74
41-4222-22-PR	Left			
41-4222-25-PR	Straight			
41-4233-21-PR	Right	33	48.5	47-0203-74
41-4233-22-PR	Left			
41-4233-25-PR	Straight			
<b>TuffCam™ Top Flange (D/A) clamps, hydraulic retract and extend</b>				
41-4622-21-PR	Right	22	46.5	47-0203-74
41-4622-22-PR	Left			
41-4622-25-PR	Straight			
41-4633-21-PR	Right	33	48.5	47-0203-74
41-4633-22-PR	Left			
41-4633-25-PR	Straight			
<b>TuffCam™ Top Flange Long Stroke clamps, hydraulic retract and extend</b>				
41-4622-23-PR	Right	22	64	47-0203-74
41-4622-24-PR	Left			
41-4633-23-PR	Right	33	64	47-0203-74
41-4633-24-PR	Left			

\* In-Port flow control requires the use of manifold mount ports.

Optional in-port flow control is a meter-in device with reverse free flow check valve.

