

# PANGOLIN™ Y-FLEX

*Dynamic Transition Protection*  
*Water-Resistant Reinforced Structure*

Localized protection for rope transition areas exposed to repeated bending and dynamic loading.

## WHAT Y-FLEX PROTECTS



### ROPE TRANSITION AREA

Reduce localized fatigue.



### REPEATED BENDING

Improve rope stability.



### DYNAMIC LOADING

Reduce concentrated stress.

## PRODUCT DESCRIPTION

PANGOLIN™ Y-FLEX is designed to protect rope transition areas exposed to repeated bending, cyclic movement and dynamic loading.

Installed below the rope eye, Y-FLEX helps reduce localized fatigue and distribute concentrated stress during towing and offshore operations.

The reinforced flexible structure maintains rope handling performance while providing additional protection at critical movement zones.

## TYPICAL APPLICATIONS



Tugboat Towing



Offshore Mooring



Rope Eye Transition Areas



Repeated Dynamic



Offshore Deck

## KEY FEATURES



Flexible reinforced structure



Designed for Dynamic Transition Areas



Reduces Localized Fatigue



Improves Rope Stability



Suitable for Repeated Movement Environments



# TECHNICAL OVERVIEW

- Material

Polyester / Kevlar®
- Protection Focus

Dynamic transition areas
- Structure

Reinforced flexible protection sleeve
- Function

Stress distribution
- Application

Towing / Offshore operations cycles



## RECOMMENDED APPLICATIONS



Tugboat  
Towing



Offshore  
Operations



Repeated Cyclic  
Loading

| MODEL | PART NUMBER   | FIT ROPE DIAMETER |              | LENGTH |      |
|-------|---------------|-------------------|--------------|--------|------|
|       |               | mm                | inch         | m      | ft   |
| Y250  | PAG2230B140CY | 22-30             | 7/8-1 3/16   | 1.4    | 4.6  |
| Y300  | PAG3244B190CY | 32-44             | 1 1/4-1 3/4  | 1.9    | 6.2  |
| Y400  | PAG4856B250CY | 48-56             | 17/8-2 3/16  | 2.5    | 8.2  |
| Y450  | PAG6072B310CY | 60-72             | 2 7/16-2 7/8 | 3.1    | 10.2 |



### PRODUCT POSITIONING

PANGOLIN™ Y-FLEX is intended for applications requiring additional protection at rope transition areas where repeated movement and concentrated loading commonly occur. The system is designed to provide practical localized protection while maintaining operational flexibility and handling performance.



Reduce Fatigue. Improve Rope Stability.