

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	PAG2230A140CY	22-30	7/8-1 3/16	1.4	4.6
Y300	PAG3244A190CY	32-44	1 1/4-1 3/4	1.9	6.2
Y400	PAG4856A250CY	48-56	17/8-2 3/16	2.5	8.2
Y450	PAG6072A310CY	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.