

Courtesy BT Marine



PDM

Subsea products and services



Bend Control Products

Bend Control Products



Complex mould tool (7kg shot)

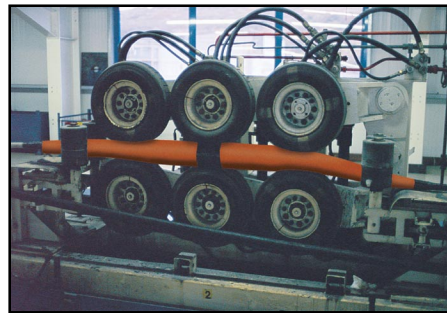
PDM has been designing and manufacturing bend control products for 15 years. It has experience of several different technologies, but concentrates primarily on the polyurethane moulded bend limiter.

PDM has produced bend limiters for ocean, offshore, inshore and defence applications and users of these products include Tyco and Global Marine.

In a simple cable termination, the stress concentration around the fixing can cause the cable to fracture with cyclic bending. The bend limiter is designed to prevent this by ensuring a smooth cable curvature. This is achieved by adjusting the cross section of the device from base to tip.



Polyurethane Bend Limiters



Testing bend control products

PDM has extensive experience in the design of moulds for large elastomeric products. The design takes into account the flow and shrink characteristics of the elastomer. Automatic mixing machines are used to ensure the performance and quality of the moulded unit.

PDM offer two main types of bend control product - the one piece unit and two part products held together with straps. The application will often determine the best type. PDM can design the unit for clients or manufacture to customer specifications. All design, manufacturing and stockist activities are carried out under BS EN ISO 9001:2000 in its facilities at Alton Hampshire.

PDM can assist clients in establishing the key parameters required for the design of bend control products.

Product brochures are available on

Cable Assemblies
Epoxy/Rubber Moulded Connectors
High Density Connectors
Design and Development Projects
Underwater Pluggable Connectors
Micro Wet Pluggable Connectors
Wet Pluggable Connectors
Polyurethane Elastomers
Transition Zone Connectors
Quickcure Moulding System

Defence Projects
Titan Connectors
Penetrators
Encapsulated Products
Polyethylene Products
IE55 Connectors
Hybrid Connectors
Fibre Optic Connectors
Fibre Optic Penetrators
Polyethylene Moulding

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BS EN ISO 9001:2000