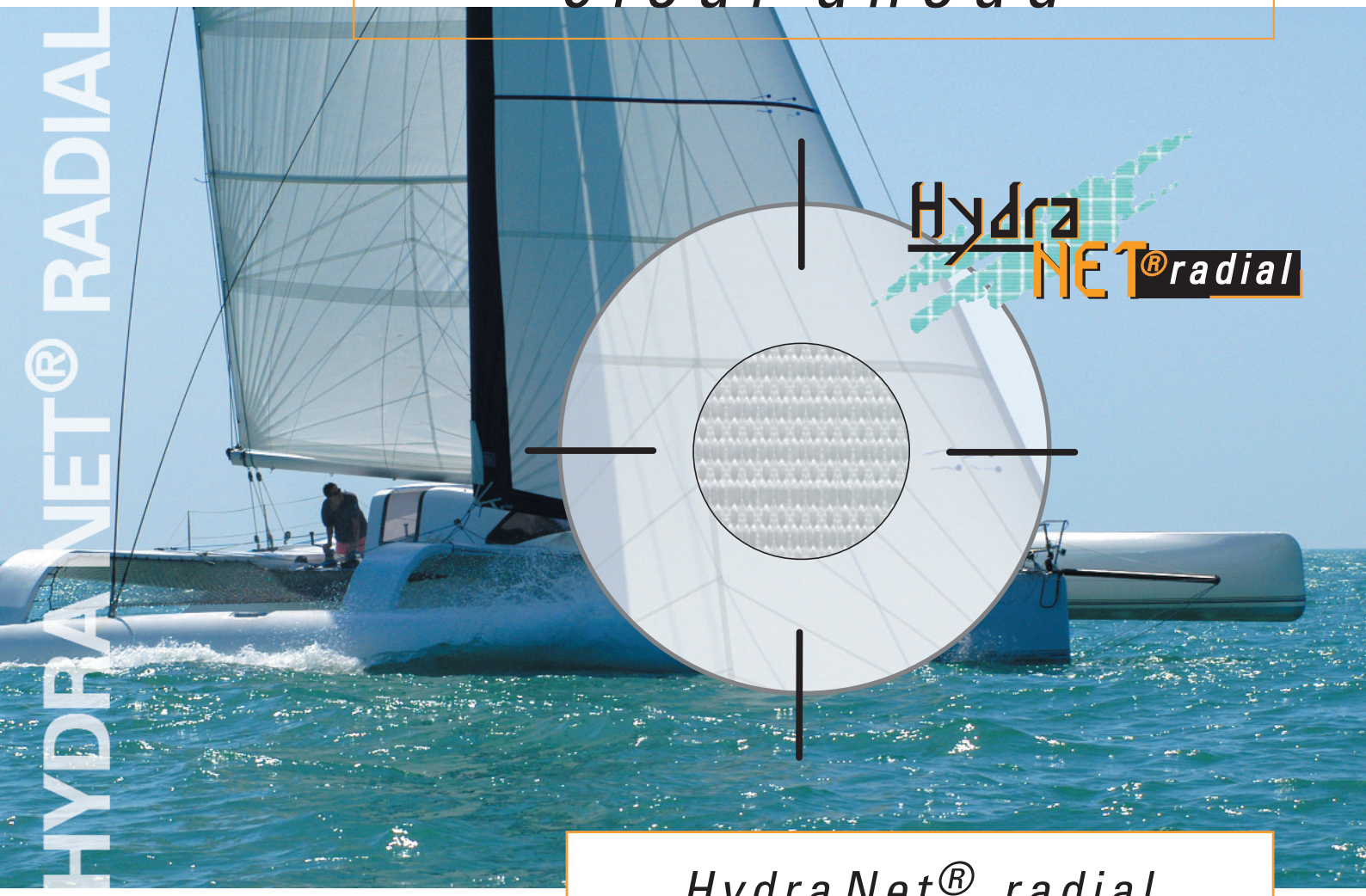
Designing the Future

clear ahead



HydraNet® radial

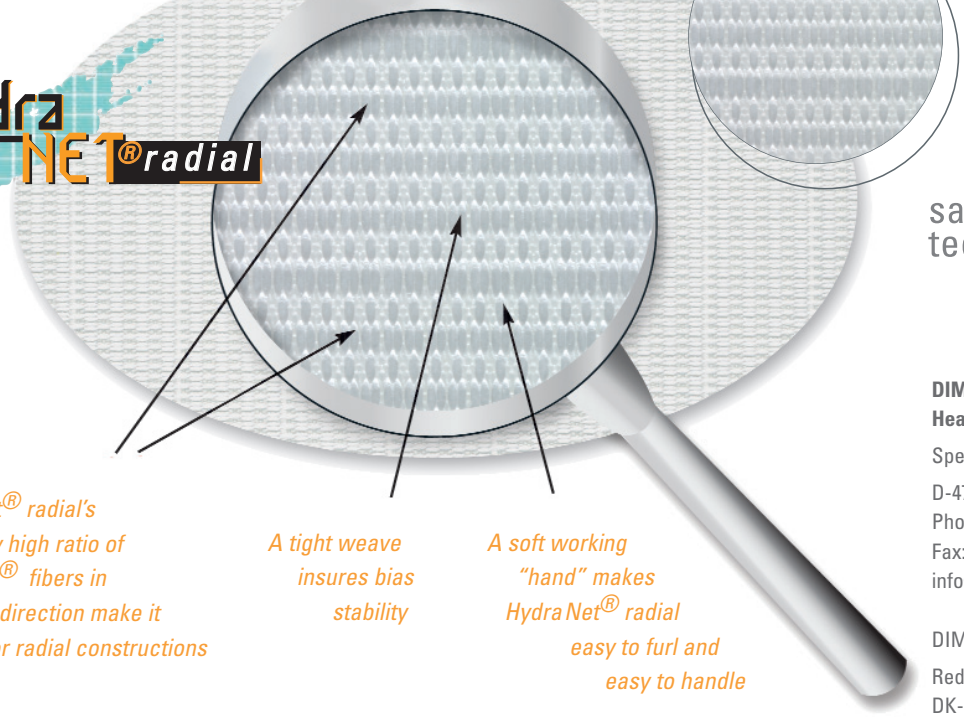
DIMENSION-POLYANT's HydraNet® radial styles combine the durability of a woven polyester base with a ripstop of Dyneema®. The resulting fabric is higher in tear strength and, combined with the strength of the ripstop, stronger over the life of the sail than any woven polyester. A bonus of the woven polyester construction is a breathable platform that minimizes the damp environment that triggers mildew growth. A tight weave gives HydraNet® radial its superior shape retention; the fabric also has a soft working "hand." For the sailmaker, design targets that were possible only with laminates can now be achieved with HydraNet® radial. The range of HydraNet® radial styles is designed for step-up construction, and the wide 54"/137cm width makes for efficient nesting of radial panels.

sailcloth technology

X-PLY® · DC-Line® · HydraNet® · FLEX® · Wovens · D4® Membranes · HydraNet® radial · GraphX® Carbon · DYS® Offshore · X-Tech · HTP® plus · INSERT®

Hydra NET® radial

sailcloth technology



Hydra Net® radial's extremely high ratio of Dyneema® fibers in the warp direction make it perfect for radial constructions

A tight weave insures bias stability

A soft working "hand" makes Hydra Net® radial easy to furl and easy to handle

DIMENSION-POLYANT woven polyesters

The strength of warp-oriented Dyneema® fibers combined with a tight weave

- HIGHEST QUALITY, HIGHEST TENACITY YARNS & FIBERS
  The fibers in DIMENSION-POLYANT woven fabrics are engineered from high-quality, high-tenacity yarns
- CONSISTENT CHEMICAL MAKEUP IN FINISHING
  Continual research and development with the world's best raw materials results in optimized coatings and finishes
- CONSISTENT SPECS
  Start-to-finish control over the weaving and finishing processes means consistent stretch and firmness specs
- FLATNESS
  Wide-width looms designed specifically for sailcloth and climate-controlled weaving plant results in flat, straight fabrics
- IN-HOUSE CONTROL OF DESIGN, WEAVING & FINISHING
  Total control of every step in the sailcloth manufacturing process gives D-P wovens consistent top performance
- WORLD'S LARGEST MAKER OF WOVEN POLYESTER
  DIMENSION-POLYANT has more worldwide woven polyester fabric design, testing, construction, and finishing facilities than any other sailcloth producer

Boat Length	Application	Style
31 - 35 feet	#3	HN343
36 - 40 feet	Mainsail #3	HN343 HN343
41 - 45 feet	Mainsail #2 #3	HN343/383 HN343 HN343/383
46 - 50 feet	Mainsail #1 #2 #3	HN383 HN343 HN343/383 HN383
51 - 55 feet	Mainsail #1 #2 #3	HN383/433 HN343 HN383 HN383/433
56 - 60 feet	Mainsail #1 #2 #3	HN433/483 HN383 HN383/433 HN433/483
61 - 65 feet	Mainsail #1 #2 #3	HN483/533 HN383/433 HN483/533 HN533

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