

## Offshore Structures

### EDX superpower

Maximize your project's value with EN 1.4362 ( LEAN DUPLEX UNS S32304 / EDX 2304) stainless steel, offering superior strength and corrosion resistance. Its dual-phase microstructure delivers twice the strength of 316L, enabling lightweight designs for major weight and cost savings. Choose EDX for exceptional performance in chloride-rich environments, with excellent stress corrosion cracking resistance and extended service life for high-performance structures.

### Best in class for corrosion and strength

EDX is an advanced, nitrogen-enhanced stainless steel designed for superior performance in chloride-rich environments. Its balanced duplex microstructure delivers exceptional resistance to pitting, crevice corrosion, and stress corrosion cracking, while high chromium and nitrogen levels ensure durability and lower life-cycle costs compared to traditional austenitic grades. With a high strength-to-weight ratio, EDX enables thinner sections, reducing material weight, handling costs and overall project costs—ideal for demanding applications like offshore structures. With EDX you can save up to 44% ([read a study](#)) of the structural weight.

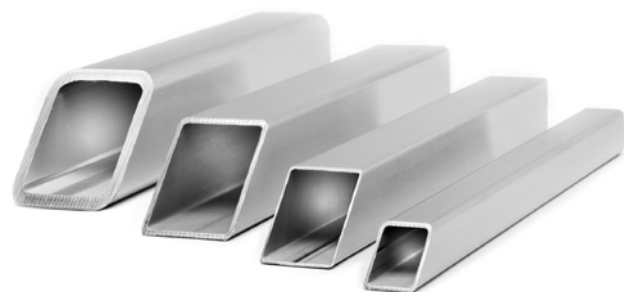
### Wide availability to fit your purpose

We deliver a wide range of square and rectangular hollow sections and I-beams to fit your optimal structure.



Cross section type	Available range
Square hollow sections	From 50 x 50 x 3 mm to 300 x 300 x 8 mm
Rectangular hollow sections	From 60 x 50 x 3 mm to 400 x 200 x 8 mm
I-beams	Up to IPE500, HEA400 or HEB300
Press brake hollow sections	Up to 500 x 500 x 15 mm

EDX (EN 1.4362) properties	
0.2% proof strength Rp0.2 MPa	500
Tensile strength Rm MPa	690
Elongation A%	25
PRE	28



BROCHURE – HOLLOW SECTIONS, I-BEAMS & PROFILES [>](#)

BROCHURE – ENERGY INDUSTRY [>](#)