



DAIWA Technology

Free Floating Spool

Unlike other reels, where the pinion gear constantly rides the spool shaft, Daiwa's unique system floats the spool independently on precision, stainless steel ball bearings. Because the pinion rides its own separate shaft, the spool spins freely, unhampered by gear train friction when casting.

Magforce-Z Automatic Magnetic Break

Outperforms ordinary centrifugal brakes. Easily adjusts to any skill level to control backlast. Magforce-Z is the latest generation of Daiwa's unique magnetic anti-backlash control for the experienced angler. It combines the best attributes of old fashioned mechanical braking with today's advanced magnetic braking technology.

Magforce-V Automatic Magnetic Break

A revolutionary magnetic anti-backlash system for the experienced angler. It combines the best aspects of modern magnetic and centrifugal spool breaking for unmatched casting performance.

ABS (Anti Backlash System)

Daiwa's unique reverse taper spool results in less line tangle and longer castability. The oversized spool design provides higher winding speed and better drag performance.

Air Bail

Daiwa's innovative bail design featuring a hollow tubular stainless steel bail for maximum rigidity and strength with minimum weight. Due to the smooth, protrusion-free design of the Air Bail, even loose line - common after a cast - slides easily down the bail onto the line roller as the reel is turned, without snagging or hanging up.

Air Metal

Ultra-lightweight magnesium material for superior strength yet the lightest weight possible.

Advanced Locomotive Levelwind™

Resembling the driving reel and pushrod of an old steam locomotive, the reel's oscillating gear has an offcentre pin that pushes and pulls the spool back and forth as the reel handle is turned and line retrieved. This prevents line piling up in one spot.

Infinite Anti Reverse

Limits rearward backplay handle movement to almost zero for solid hooksets with less shock to the reel. No handle slap-back on hooksets and no release of slack line.

Corrosion Resistant Ball Bearings

Shielded for extra protection. Unlike ordinary 'corrosion resistant' bearings with an unprotected open race, Daiwa's CRBB bearings are shielded to seal out sand, fine grit, salt crystals and other abrasives for even longer life.

Digigear

Digital gear design ensures a perfect mesh between ultra-tough, surface treated alloy drive gear and marine bronze pinion gear for optimised speed, power and durability.

Gyro Spin

The Gyro Spin system includes balanced rotor, infinite Anti Reverse, gyro tangleguard bail, oversized ball bearing line roller, long cast spool design, and lifetime bail spring for ultra smooth performance.

Super Metal

By choosing a Super Metal (Aluminium Alloy) body together with Daiwa's advanced engineering technology, Daiwa has achieved a body 4 times more precise than a machined magnesium body. This micro-precision is another Daiwa secret.

Twist Buster 2

Powered by the new CRBB (Corrosion Resistant Ball Bearing), the Twist Buster II line roller not only minimises line twist, but also reduced further friction between the line and the roller.

Washable

Intensive studies of saltwater influence have resulted in the development of a washable construction for saltwater use. A water 'duct' at the bottom of the reel allows effective water discharge and simplifies maintenance by allowing the reel to be washed after use, without concern for drainage.

Twist Buster

Twist Buster is Daiwa's original advanced technology designed to reduce line twist.

Real Four

Real Engine, Real Control, Real Insurance, Real Custom - the jewel of Daiwa Technology is the future direction from Daiwa in the design of spinning reels. Take a look at virtually any spinning reel made today and you'll see evidence of Daiwa's impact on modern spinning reels.

Real Engine - Features Digigear II, 'Super Metal' body, Dual Engine Plates and silent oscillation

Every part of the reel is designed to reduce unnecessary friction and vibration. The difference in the power will be recognised immediately upon handling the reel. The heart of the reel, Real Engine, is like a high powered motor racing engine - it starts smoothly, minimises loss of power transmission, and achieves smooth rotation.

Real Control - Features Tough Air Bail II, Cross Wrap, ABS, and Twistbuster II

Daiwa's patented airbail has been improved even further, resulting in a super strong light weight bail. This results in stress free, easy handling, less line trouble, longer casting as Real Control pursues higher performance.

Real Endurance - Features CRBB, Washable, 'Tough Drive Gear' Corrosion resistant ball bearings, a washable design with sealed drag and a super tough drive gear ensures durability over many years of use.

Real Custom

Allows you to personalise your reel to match your fishing style. Original customer parts designed to suit any fishing style are available already, and additional parts will become available in the future.

Zaion

Zaion technology opens up a completely new world of the development for the modern spinning reel, a reel that is hyper light, strong and corrosion free, in 2007 a new reel is born that will set the standard for all to follow, the new all-rounder reel – Luvias.

“Zaion” is a brand new type of material, simply explained it is a high density carbon resin. To understand “Zaion” first we need to understand the other materials that are used in the production of the modern spinning reel. First, Aluminium, this is one of the most commonly used materials. It is easily machined, relatively corrosion resistant, extremely rigid and very light. But in recent times has become expensive. Magnesium, often used in the development of high end reels, it is incredibly light and strong. But it has low corrosion resistance, very expensive, requires extremely high technology to achieve corrosion resistance and precision at the same time. And last universal plastic or FRP (fibre resin plastic) – resin reinforced with fibre glass – this can never compare to other materials for lightness and strength but it is fully corrosion resistant and economical. This is where “Zaion” steps in; many manufacturers creatively use each different material depending on the characteristics that are required to produce reel bodies. The new “Zaion”

material replaces glass fibres with carbon fibres to create an extremely rigid, strong material. The material is first "cast" then machined to create a body that exhibits the same precision and strength compared to that of magnesium or an aluminium body. Yet it is the same weight as magnesium but fully corrosion resistant.