

A close-up photograph of several Shimano drag cam systems. The focus is on a blue and silver cam in the foreground, which has 'R-F-S-50' and 'QUICK CHANGE DRAG CAM' printed on it. Other similar cams are visible in the background, slightly out of focus. The overall lighting is dramatic, highlighting the metallic textures and the blue color of the cam surfaces.

SHIMANO®

**TORSA® &
TORSA® 40**

RAPID FIRE™
QUICK CHANGE
DRAG CAM SYSTEM

Rapid Fire™ Quick Change Drag Cam System

The amount of drag that is increased or decreased when the drag lever is moved can be easily described as the “drag curve.” Most drag curves throughout the fishing reel industry are very similar: a gradual increase in drag pressure from the freespool position to the full position.

While a standard curve is excellent for many mainstream fisheries, the shape of the curve is not adjustable (see sidebar “Understanding Lever Drags”). Therefore, in order to “fish outside of the box,” such as with light lines or to target specific fish, anglers were forced to evolve their techniques and style around the tackle available to them.

No longer.

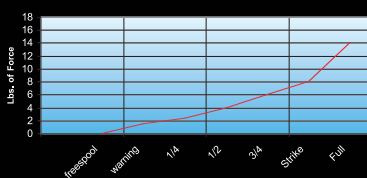
With the new Rapid Fire Quick Change Drag Cam Systems found exclusively on Torsa™, this versatile reel can change to cater to specific techniques. By simply putting the reel into freespool and backing off the preset knob, the angler removes the drag cam from the reel. Then, by inserting one of 8 available Rapid Fire drag cams, you completely change how the reel is set up to fish within a matter of seconds. No tools required, and no screws to fall onto the deck of the boat.

On the next several pages, you will see these 8 different drag curves and the specific fisheries they are applicable to. From light line world record seekers, to braided line fanatics looking to tackle huge fish on small tackle, to the specific needs of chunk fishermen in the Northeast, Torsa can do it all.

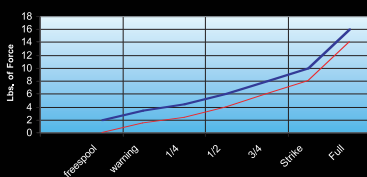
Torsa comes equipped with our L.R.S. (Long Range Special) Rapid Fire Drag Cam, which was made popular by reels in our Tiagra® line. There are 7 other cams available at your Torsa retailer depending upon your target fisheries.

Understanding Lever Drags

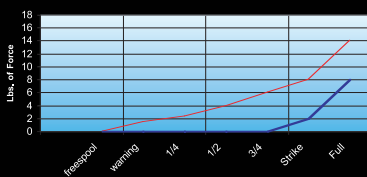
Lever drag reels have the advantage of being able to quickly and precisely increase or reduce drag depending on the circumstances. However, the amount of drag applied through the lever’s travel (the drag curve) is fixed, thereby limiting the effectiveness of the reel.



1. This is an example of a typical lever drag curve that has about 8 pounds of drag at Strike. From freespool to full, the drag increases on a fairly predictable curve.



2. If you’re fishing with heavier line and you tighten the preset knob by 2 pounds at the Strike position, you increase the drag by 2 pounds at every position. However, this is at the expense of freespool (see left end of drag curve). This is not an ideal situation.



3. If you’re fishing with lighter line and you loosen the preset knob, you can decrease the drag overall. However, the drag lever has to travel through three-quarters of its range before any drag is applied at all. This is not ideal either.

Rapid Fire™ Quick Change Drag Cam System

Available Cam for TS16N, 16, 20, 30

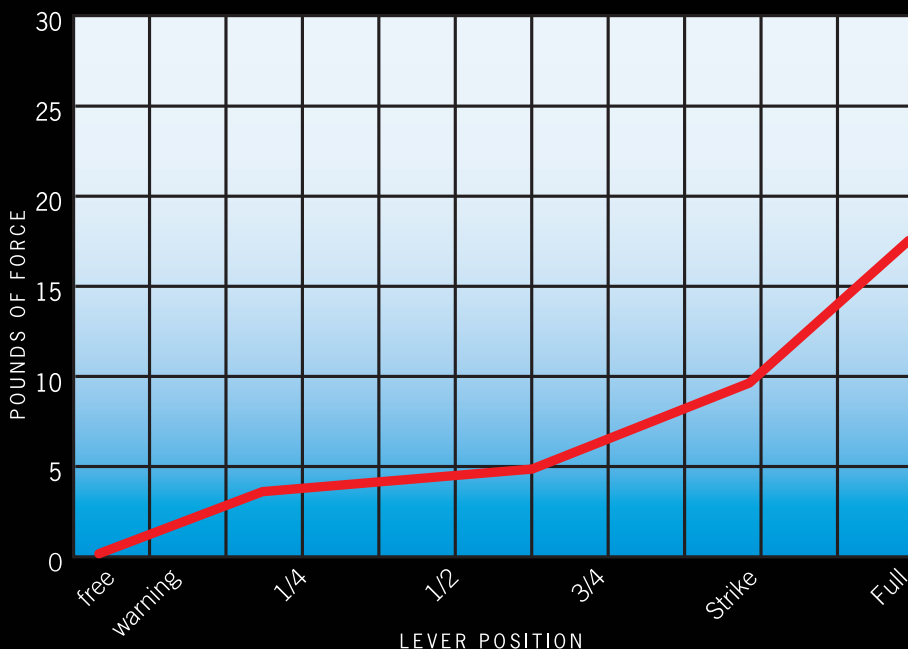
Long Range Special

Primary Application

All purpose

Recommended Line

20- to 65-pound test



This cam comes standard on all sizes of Torsa® reels. It is an "all-around" curve with many uses. The L.R.S. curve was originally designed for the Tiagra® for anglers on the Long Range boats out of San Diego. These anglers

required high maximum drag capabilities in smaller reels to catch large yellowfin tuna in standup situations. The result is a steep curve to allow use of heavy lines while maintaining Freespool.

Rapid Fire™ Quick Change Drag Cam System

Available Cam for TS16N, 16, 20, 30

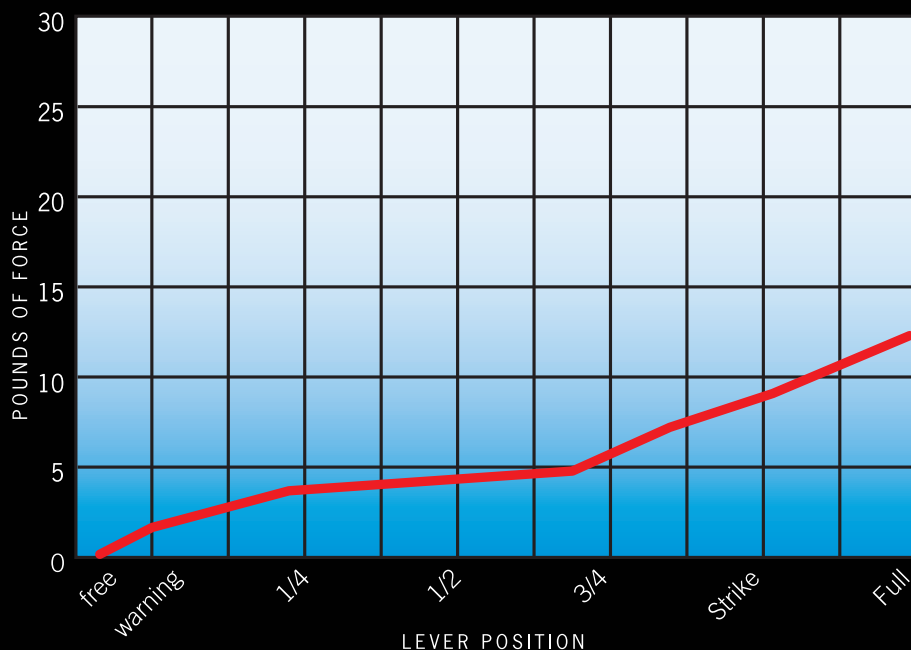
20# Bottom Fishing Special

Primary Application

Bottom fishing near structure

Recommended Line

20- to 40-pound test



This curve will be used in wreck or reef fishing situations where the angler is moving large fish away from structure. When fishing, the angler needs to place a tremendous amount of drag on the fish to move it away from the structure quickly. As soon as the angler moves the fish or turns its head, he will then quickly back off the drag to the Strike position at $\frac{1}{2}$ - $\frac{1}{2}$ the breaking strength of

the line. From here until he lands the fish, he will fight it with a traditional drag range and not go back into the Full position again, unless the fish begins to run back into the structure. This cam allows a very high Full position setting, but quickly backs off to a safe area at the Strike setting so that the angler does not accidentally back off too much drag.

Rapid Fire™ Quick Change Drag Cam System

Available Cam for TS16N, 16, 20, 30

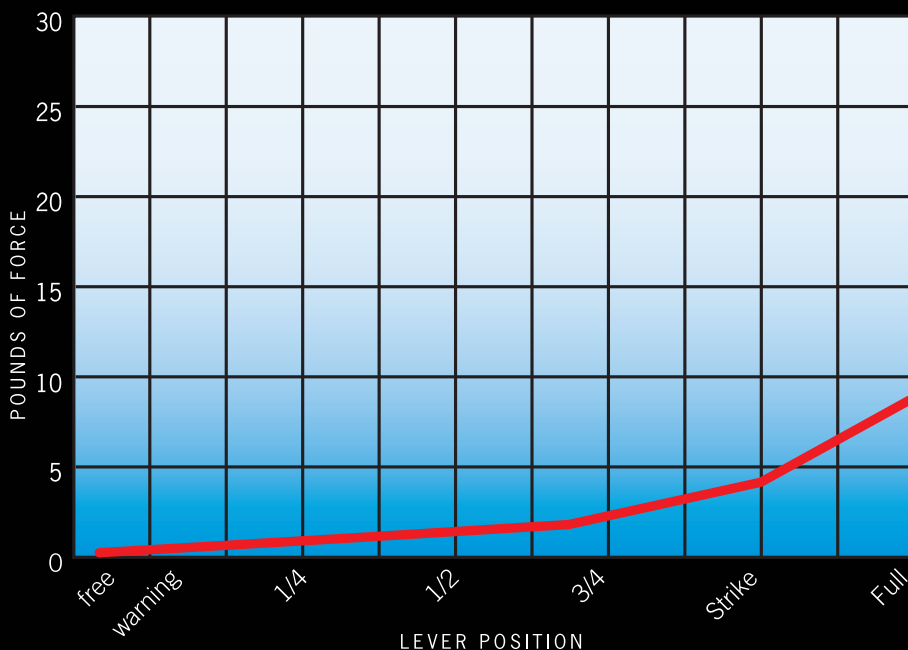
Kingfish Special

Primary Application

Kingfish trolling

Recommended Line

10- to 20-pound test



This is a shallow curve designed for Kingfish. Kingfishing involves light lines and light drag pressures so that the hooks do not rip from the fish's mouth. It is a very gradual curve to give anglers extra adjustability with a target Strike drag of 4 pounds. The range of settings with this curve are from 3–5

pounds at Strike which is optimal for use with 10–20 pound test. There is also a large flat spot after warning to be used to aid the clicker when trolling and to allow the angler to quickly back off of the drag on a running fish without dropping into Freespool.

Rapid Fire™ Quick Change Drag Cam System

Available Cam for TS16N, 16, 20, 30

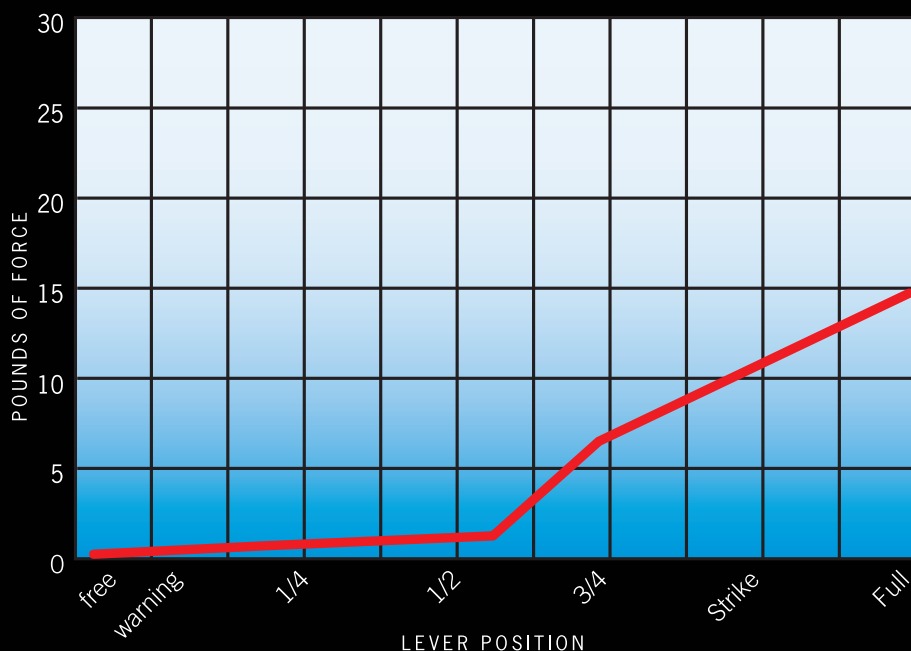
White Marlin Special

Primary Application

Atlantic White Marlin

Recommended Line

20- to 30-pound test



This cam will be used to drop back baits to White Marlin in the Mid-Atlantic to North East regions of the United States. The curve, when set at a target Strike drag of 8 pounds will provide $\frac{1}{4}$ pound of drag from warning to the $\frac{1}{2}$ position. This allows the angler to quickly drop the tension on a running

fish while using light line. The fighting area of the curve is from $\frac{1}{2}$ to Strike. The section of the curve from Strike to Full is very steep to provide a heavy drag setting of 15 pounds to quickly end the fight on a subdued fish for more successful releases.

Rapid Fire™ Quick Change Drag Cam System

Available Cam for TS16N, 16, 20, 30

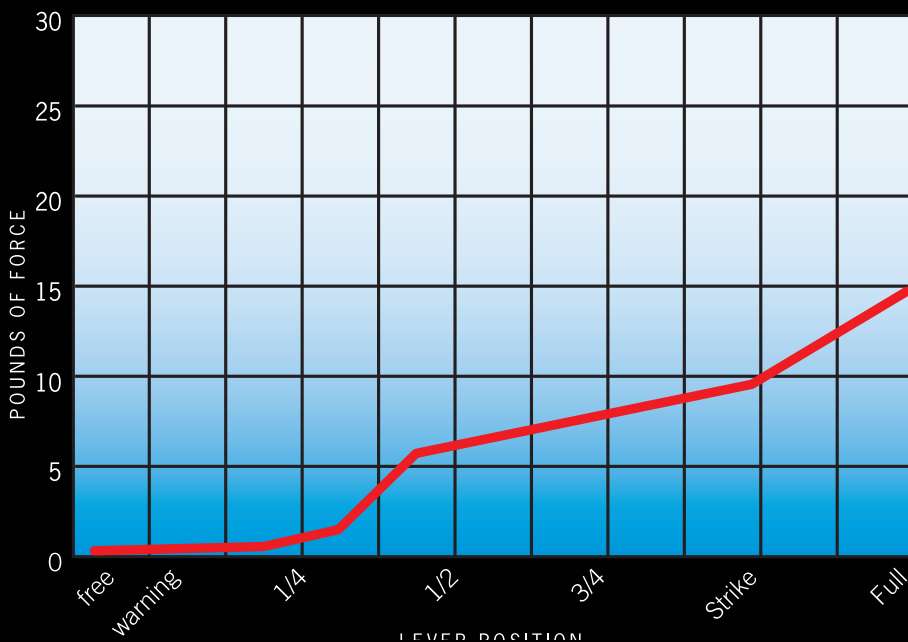
Chunk Fishing Special

Primary Application

Atlantic Tuna with chunk baits

Recommended Line

15- to 40-pound test



This cam will be used when fishing for Tuna with chunk baits in the Northeastern United States. Chunk fishing typically is performed in heavy currents. The slow ramp from Warning to 1/2 is designed to hold the float and chunk in the current. For small baits/floats in light current the Warning

position is optimal. When baits are bigger or currents are stronger, the angler can move up to the 3/4 position to hold the bait in place. The sudden steep section allows the angler to quickly get enough drag for a solid hookset. Optimal Strike drag settings range from 5–7 pounds.

Rapid Fire™ Quick Change Drag Cam System

Available Cam for TS16N, 16, 20, 30

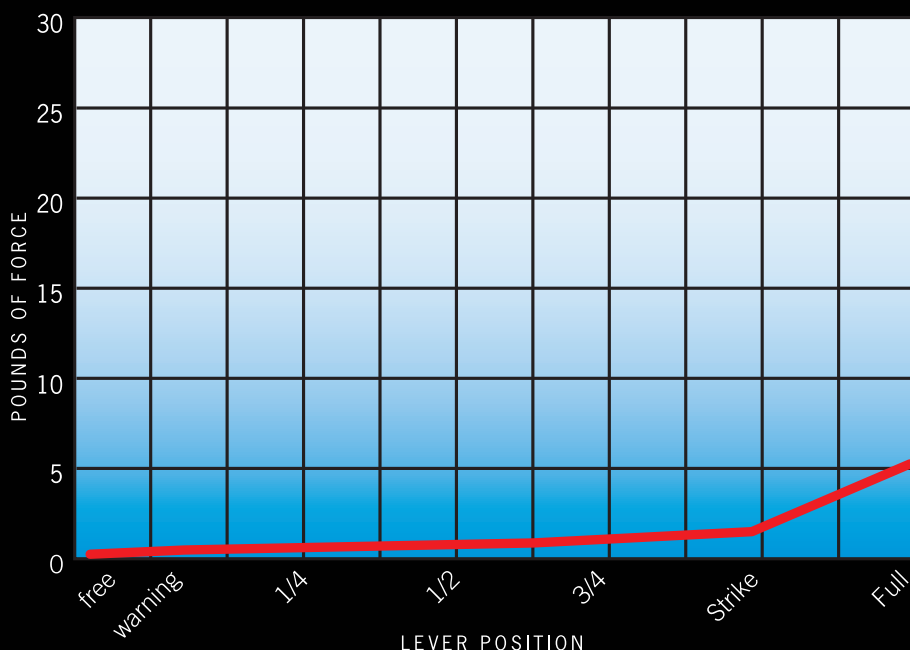
6# Light Line Special

Primary Application

World record attempts

Recommended Line

6- to 10-pound test



Similar in concept to the L.L.S. 12# Cam, the L.L.S. 6# curve is optimized for 6# test. It is best suited for 6–10# line. This will primarily be used by world record seeking anglers using extremely light line. When set to 2-3 pounds of drag at Strike, the Warning position will

be between 0.15 and 0.25 pounds and remain relatively flat to the 1/2 position. This will allow the angler to safely back off drag pressure on a running fish without falling into Freespool, backlashing and losing the fish.

Rapid Fire™ Quick Change Drag Cam System

Available Cam for TS16N, 16, 20, 30

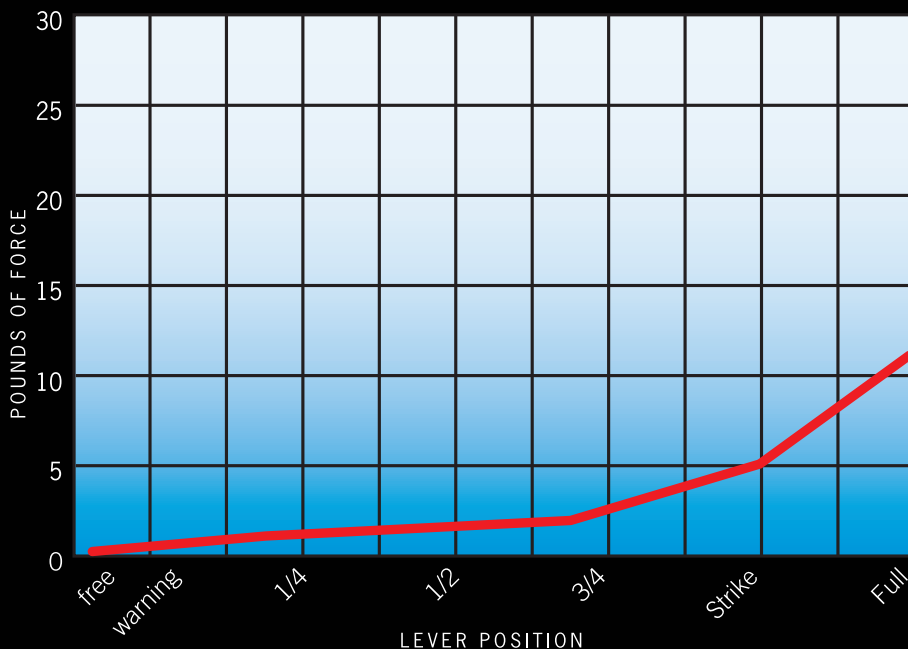
12# Light Line Special

Primary Application

Light line tournaments

Recommended Line

12- to 15-pound test



This light line cam is optimized for 12# monofilament. It is designed for anglers in tournaments with line limits or bonus point situations for line class. The Warning position provides $\frac{1}{4}$ pound of drag and remains relatively flat to the $\frac{1}{2}$ position. This is to allow the angler to quickly back off of the drag on a running fish without accidentally dropping into Freespool. While higher

drag can be used, the curve is not optimal for that type of fishing, as by raising the preset Strike drag above the target settings will result in a loss of Freespool. Without a light line specific drag curve, anglers who use traditional curves may find that the reel will go into freespool between the Warning and $\frac{1}{2}$ positions, which results in a loss of drag adjustability.

Rapid Fire™ Quick Change Drag Cam System

Available Cam for TS16N, 16, 20, 30

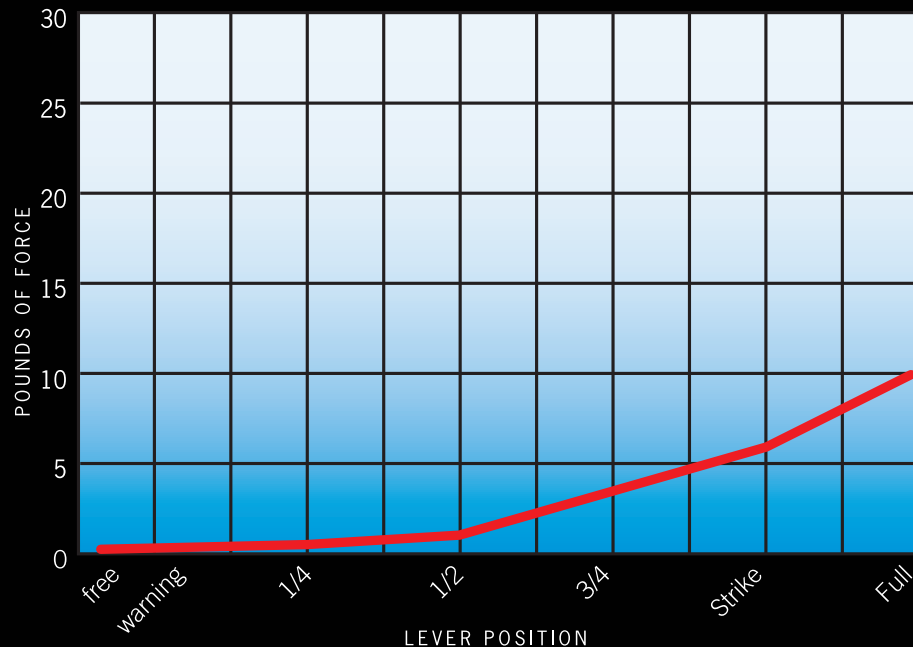
20# Sailfish Special

Primary Application

Sailfish Tournaments &
Recreational Sailfish Angling

Recommended Line

20-pound test



This cam was designed using feedback during initial Torsa® field testing at the Master's Tournament in Cancun, Mexico. With input from Master's Tournament anglers Stewart Campbell, Tom Greene and Bill Buckland, we created the S.F.S. 20 cam. Optimized for 20 pound test line, it features a low, gradual area from Warning to the half

position that begins at ¼ pound of drag to allow the angler minimal tension on the line when the fish bites and to allow the angler to quickly back off the drag on a running fish. The steep section from the ½ position to the full position allows the target Strike setting of 6 pounds, while providing a Full setting of 10 pounds.

Rapid Fire™ Quick Change Drag Cam System

Available Cam for TS16N, 16, 20, 30

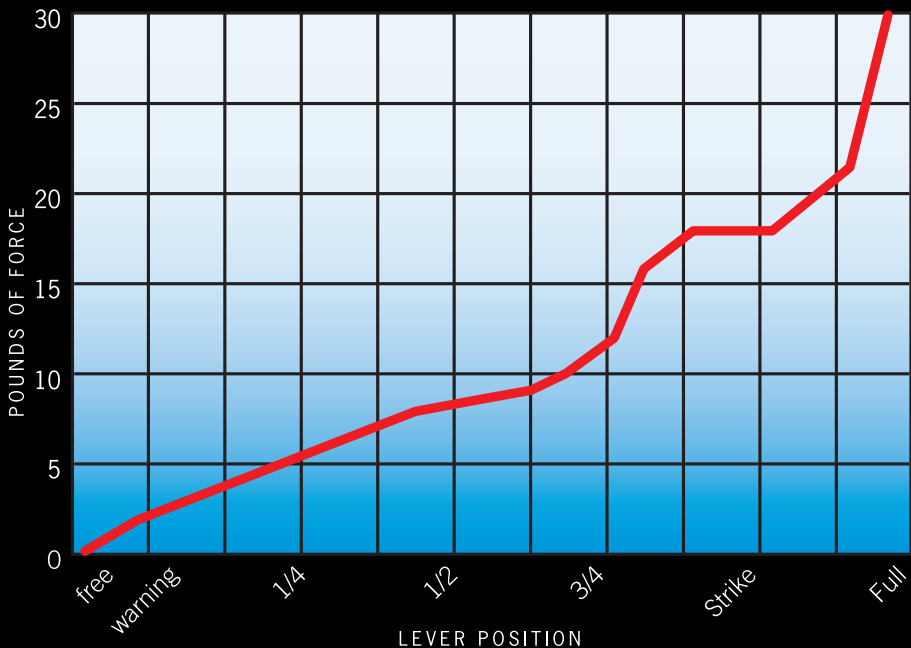
50# Bottom Fishing Special

Primary Application

Bottom fishing near structure

Recommended Line

50- to 80-pound test



This curve will primarily be used in the Gulf of Mexico when bottom fishing next to heavy structure like oil platforms. Typically, when a fish bites, the boat runs away from the structure to set the hook and to move the fish away from the structure to reduce cut offs. The angler places a tremendous amount of drag on the fish to move it away from the structure quickly at the risk of breaking the line. As soon as the

angler moves the fish or turns its head, he will then quickly back off the drag to the Strike position at $\frac{1}{2}$ – $\frac{1}{2}$ the breaking strength of the line. The flat area just before until just after the Strike position allows the angler to quickly get back to the Strike setting without having to worry if they have gone too far or not far enough. This cam is ideal for 50–80 pound test.

Unique Rapid Fire™ Cam System

Available Cam for TS40

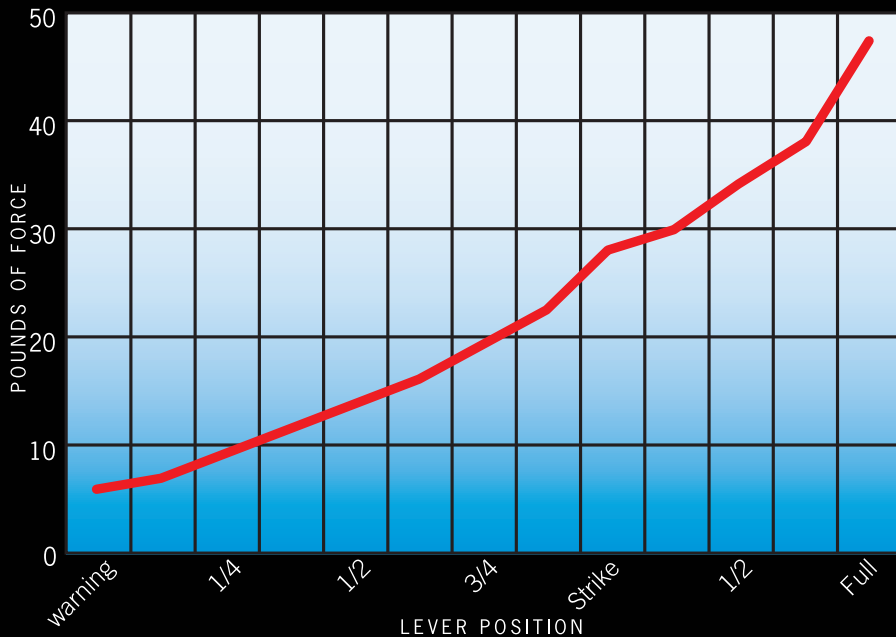
Long Range Special

Primary Application

All purpose

Recommended Line

20- to 65-pound test



This cam comes standard on the Torsa® 40. It is an "all-around" curve with many uses. The L.R.S. curve was originally designed for the Tiagra® anglers on the Long Range boats out of San Diego. These anglers required high

maximum drag capabilities in smaller reels to catch large yellowfin tuna in standup situations. The result is a steep curve to allow the use of heavy lines while maintaining Freespool.

Unique Rapid Fire™ Cam System

Available Cam for TS40

80# Bottom Fishing Special

Primary Application

Bottom fishing in Gulf

Recommended Line

80-pound test



This curve will primarily be used in the Gulf of Mexico when bottom fishing next to heavy structure like oil platforms. When fishing, the angler needs to place a tremendous amount of drag on the fish to move it away from the structure quickly. As soon as the angler moves the fish or turns its head, he will then quickly back off the drag to the Strike position at $\frac{1}{2}$ - $\frac{1}{2}$ the breaking strength of the line. From here

until he lands the fish, he will fight it with a traditional drag range and not go back into the Full position again, unless the fish begins to run back into the structure. This curve allows a very high Full position setting, but quickly backs off to a safe area at the Strike setting so that the angler does not accidentally back off too much drag. Anglers will primarily use 80# test.

Unique Rapid Fire™ Cam System

Available Cam for TS40

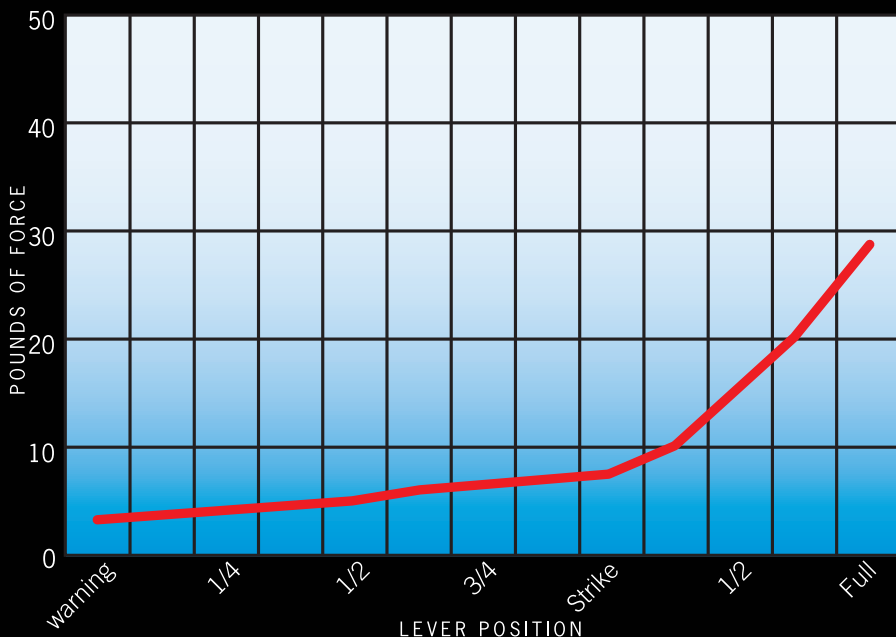
Ulua Fishing Special

Primary Application

Ulua fishing in Hawaii

Recommended Line

20- to 30-pound test



This cam will be used when in Hawaii for catching Uluu from shore. The anglers will cast from shore and leave the rod in the rocks. The Warning needs to be light enough that when the fish bites it does not pull the rod from the rocks. Most of this fishing is done at night and the angler can not see the bite. Then there will be a gradual curve

to the target drag setting of 7 lbs. This setting is lighter than normal, but due to Shimano's smooth drag, the lighter setting is better. Most anglers that set higher, so this to avoid some much jerking. From Strike to Full the curve should be very steep, to get as much drag as possible. This is done to turn the fish quickly.

Unique Rapid Fire™ Cam System

Available Cam for TS40

20#

D.N.K.

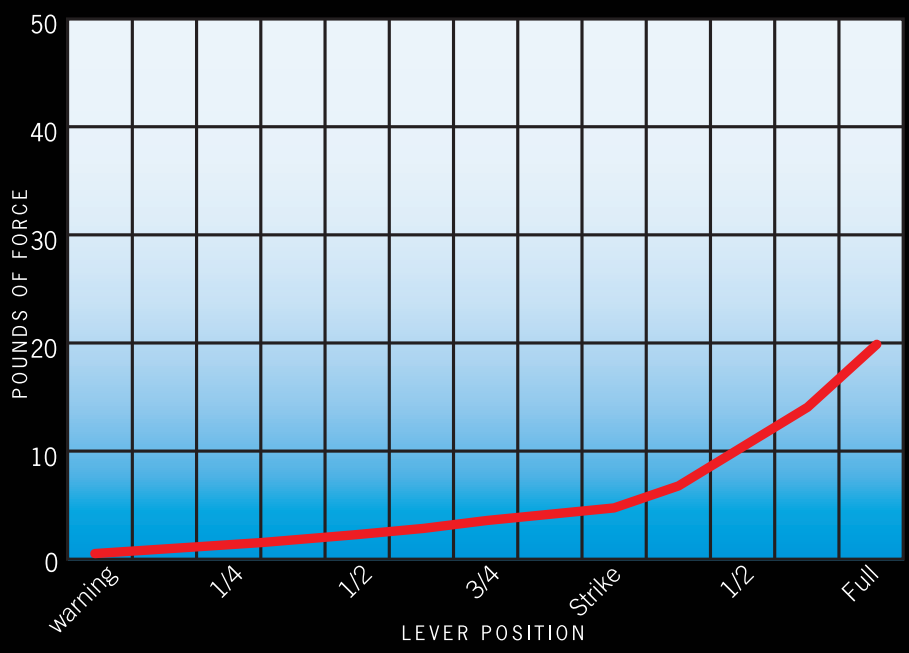


Primary Application

Dink fishing in Florida for sailfish

Recommended Line

20-pound test



This cam will be used for dink fishing in Florida for sailfish. The angler will typically use 20# test. The low amount of drag at Warning is to barely keep the bait in the outrigger. After the fish hits the angler will use the drag from the 1/2

position to the Strike position to fight the fish. At the end of the fight, or if the angler needs to move the fish they will use the very steep Full position to apply heavy drag.

Unique Rapid Fire™ Cam System

Available Cam for TS40

30-40#

D.N.K.

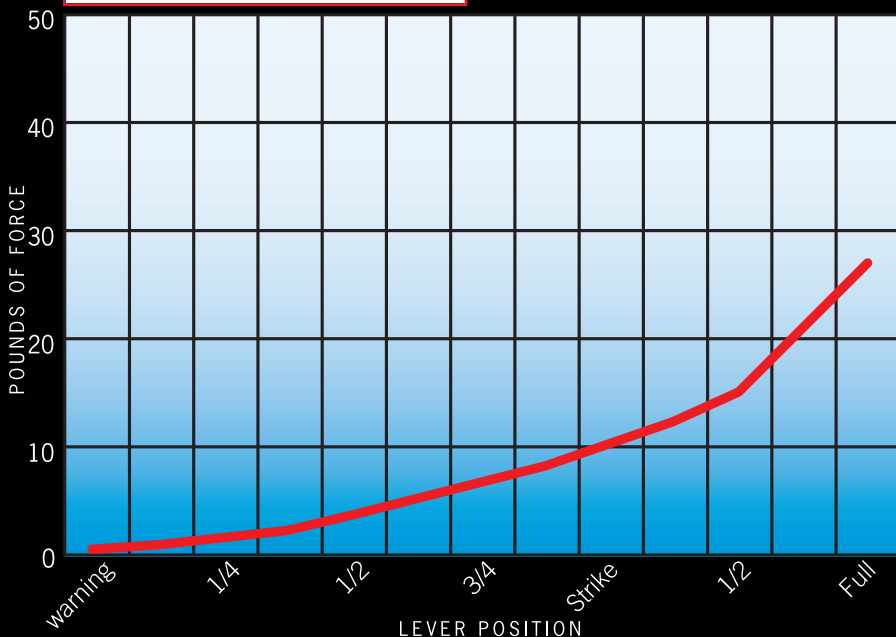


Primary Application

Dink fishing in North Carolina for marlin

Recommended Line

30- to 40-pound test



This cam will be used for dink fishing in North Carolina for marlin. The angler will typically use 30-40# test. The low amount of drag at warning is to barely keep the bait in the outrigger. After the fish hits the angler will use the drag

from the 1/2 position to the Strike position to fight the fish. At the end of the fight, or if the angler needs to move the fish they will use the very steep Full position to apply heavy drag.

Unique Rapid Fire™ Cam System

Available Cam for TS40

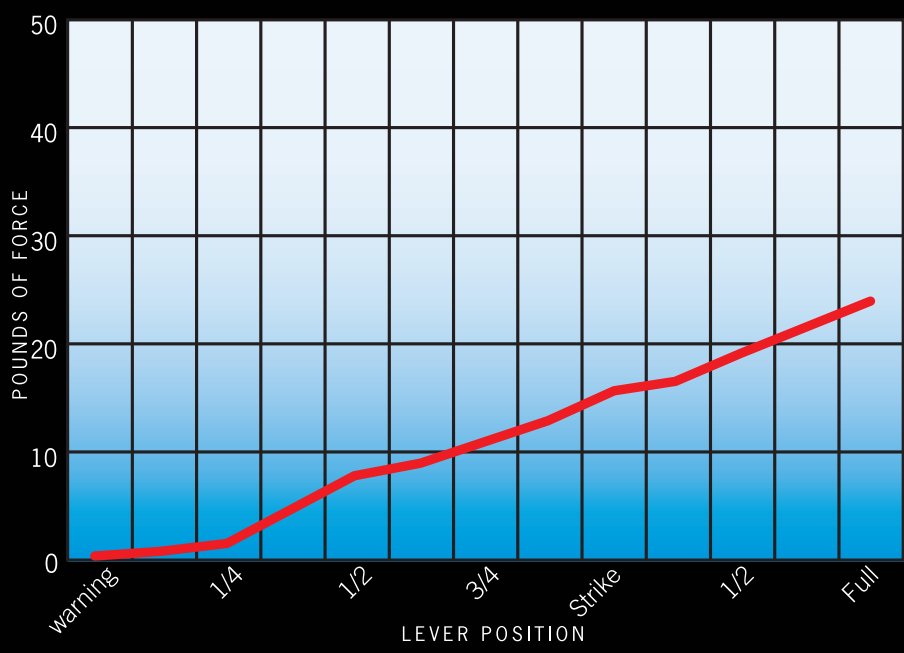
Chunk Fishing Special

Primary Application

Chunk fishing in heavy currents

Recommended Line

50- to 60-pound test



This cam will be used when fishing chunk bait in heavy currents. The slow ramp from Warning to 1/2 allows the reel to hold the float in the current. The sudden steep section allows the angler

to quickly get enough drag for a solid hookset. Target Strike drag is 15 lbs. This cam will primarily be used in the 40-size reel with 50-60# line.

Instructions



Follow these simple steps to change your Rapid Fire™ drag cams:

- 1 Move the drag lever to **Free**
- 2 Unscrew the drag cam
- 3 Seat and thread on the new cam
- 4 Move the drag lever to **Strike**. Scale and adjust drag as necessary

SHIMANO®

SHIMANO®

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