


# RAMFOS

## Hydraulic Hammers TF Series

TyFös

*More value driven choice my* ***Ramfos!***

# RAMFOS

## Hydraulic Hammers

The Ramfos TF series box style bracket is designed to protect hammer components and provide acceptable noise protection in environmentally protected areas.

The Ramfos increased power to weight ratio allows lighter carriers to support higher impact energy hammers while reducing associated transportation costs.

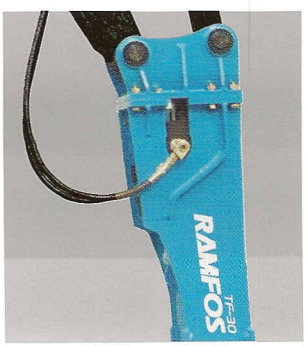
Ramfos technology features an anti-blank firing system, two speed control system, single high pressure accumulator (TF14 and larger), and swivel fittings on the main hammer hoses.




**Easy Maintenance**
Back head gas, Accumulator gas and pressure adjust setting can be done by single maintenance window on front.

**Easy service for Accumulator Assembly**
Accumulator can be fixed without disassembling Mounting adapter & Box bracket






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# RAMFOS Hydraulic Hammers by Tyfos

**Right tools, aiming for maximum productivity!**
**Ramfos** TF series hammers boast maximized power with enhanced durability

## RAMFOS hydraulic hammers by Tyfos

Ramfos hydraulic hammers are designed to meet the demands of the toughest breaking applications.
From trench rock removal to bridge demolition Ramfos hammers perform.

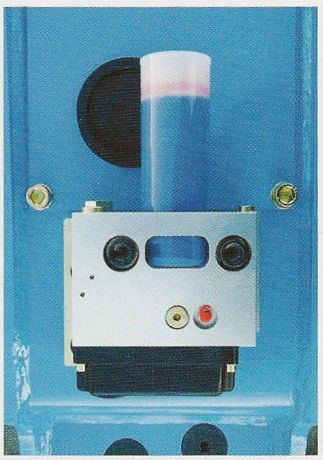
- TF-series are designed to handle from light to medium breaking and large demolition projects
- Dual speed feature allows the hammer speed to be adjusted for maximum productivity.
- The full box enclosure minimizes hammer maintenance and noise suppression.

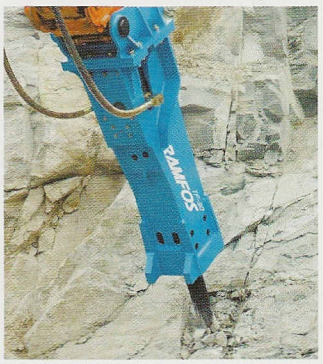
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# Further features on
# Ramfos Hydraulic Hammers













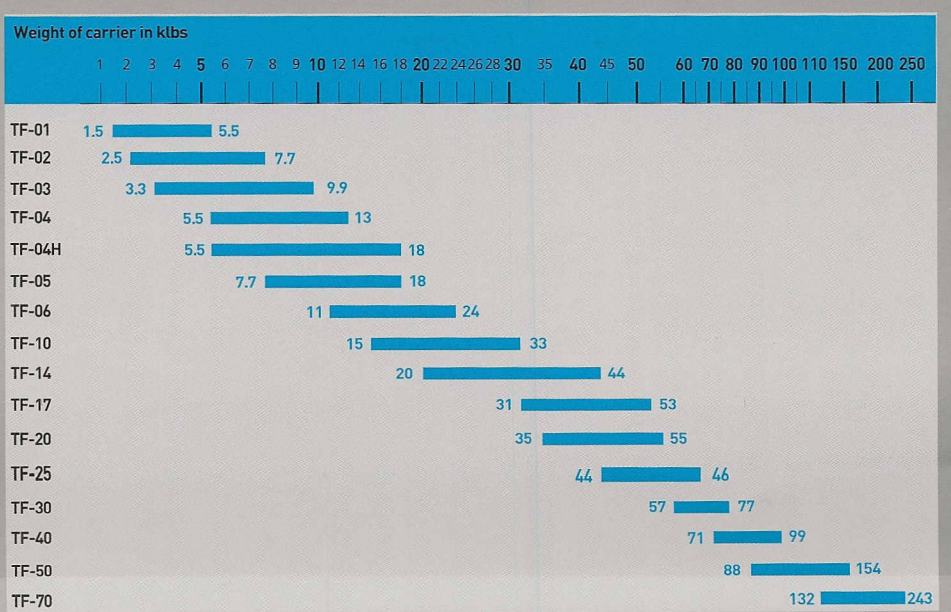
## Available Option

| | TF-01~TF-05 | TF-06 | TF-10 | TF-14 | TF-17~TF-70 |
|---|---|---|---|---|---|
| **Available Option** * | | | | | |
| Swivel joint | n/a | n/a | n/a | ○ | ○ |
| 2-speed control | n/a | n/a | n/a | ○ | ○ |
| Anti-Blank-Blow | n/a | n/a | n/a | n/a | ○ |
| Auto-greasing kit | n/a | ● | ● | ● | ● |

* Depending on bracket type ○: standard, ●: option, n/a: not available

- Adoption of swivel joint on main hose
  - Main hose protection from vibration
  - Easy service of swivel joint by side maintenance window
- Two-speed mode(TF14 and larger)
  - Lower power with high speed(concrete breaking, soft rock, reduction boulders)
  - High power with low speed(quarry,trenching)
- Automatic shut-off(TF14 and larger)
  Significantly decreases failures in tools & Front Head.
- Auto greasing kit as option
  Kit offers continuous lubrication for the enhanced hammers life
- Durable box bracket
  Incomparable durability is offered by reinforced hard boots and rock dragger by wear-resistant hardened material.

## Recommended Combinations



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# RAMFOS Hydraulic Hammers

## *to fit all carriers and applications programmed by Tyfos right tools*







### To fit Mini-Excavators And Skid Steer Loaders

| MODEL | Carrier Weight [1] | Working Weight [2] | Overall Length [3] | Frequency | Operating Pressure | Oil Flow | Impact Energy [4] | Working Tool Diameter |
|---|---|---|---|---|---|---|---|---|
| | klbs | lbs | in. | bpm | psi | gpm | ft.lbf | in. |
| TF-01 | 1.5~5.5 | 280 | 47.8 | 700~1,498 | 1,500~1,900 | 4.0~7.9 | 80 | 1.77 |
| TF-02 | 2.2~7.7 | 280 | 47.8 | 717~1,256 | 1,500~1,900 | 5.3~9.2 | 90 | 1.77 |
| TF-03 | 3.3~9.9 | 337 | 49.5 | 607~1,070 | 1,500~1,900 | 5.3~9.2 | 400 | 1.97 |
| TF-04 | 5.5~13 | 551 | 57.6 | 611~1,024 | 1,600~2,000 | 7.9~13 | 500 | 2.28 |
| TF-04H | 5.5~18 | 827 | 59.3 | 600~1,045 | 1,600~2,000 | 13.2~20 | 550 | 2.28 |

**For Mini-Excavators And Skid Steer Loader (TF-01 through TF-04H)**
With high frequency and high production for light to medium breaking of rock and concrete.




### To fit Small-Excavators And Backhoe Loaders

| MODEL | Carrier Weight [1] | Working Weight [2] | Overall Length [3] | Frequency | Operating Pressure | Oil Flow | Impact Energy [4] | Working Tool Diameter |
|---|---|---|---|---|---|---|---|---|
| | klbs | lbs | in. | bpm | psi | gpm | ft.lbf | in. |
| TF-05 | 7.7~18 | 646 | 66.2 | 538~1,004 | 1,900~2,500 | 9.2~17 | 750 | 2.68 |
| TF-06 | 11~24 | 948 | 76.1 | 531~1,070 | 1,900~2,500 | 12~24 | 1,200 | 3.15 |
| TF-10 | 15~33 | 1,316 | 81.3 | 535~986 | 2,000~2,600 | 16~29 | 2,000 | 3.66 |

**For Small-Excavators And Backhoe Loaders(TF-05 through TF-10)**
Ideal ranges for larger concrete jobs and small rock jobs to get the job done




### To fit Midium and Heavy Excavators

| MODEL | Carrier Weight [1] | Working Weight [2] | Overall Length [3] | Frequency | | Operating Pressure | Oil Flow | Impact Energy [4] | Working Tool Diameter |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Low Speed | High Speed | | | | |
| | klbs | lbs | in. | bpm | | psi | gpm | ft.lbf | in. |
| TF-14 | 20~44 | 2,249 | 93.5 | 412~726 | 539~950 | 2,300~2,600 | 21~37 | 3,000 | 4.13 |
| TF-17 | 31~53 | 2,822 | 104 | 375~583 | 471~730 | 2,300~2,600 | 29~45 | 3,500 | 4.61 |
| TF-20 | 35~55 | 3,352 | 108.7 | 339~514 | 444~672 | 2,300~2,600 | 26~40 | 4,000 | 4.92 |
| TF-25 | 44~66 | 3,682 | 113.5 | 313~438 | 404~564 | 2,300~2,600 | 34~48 | 5,000 | 5.31 |
| TF-30 | 57~77 | 5,623 | 129.2 | 306~438 | 431~617 | 2,400~2,700 | 45~63 | 7,000 | 5.91 |
| TF-40 | 71~99 | 7,056 | 135.9 | 288~420 | 380~554 | 2,400~2,700 | 48~69 | 10,000 | 6.5 |
| TF-50 | 88~154 | 9,151 | 147 | 236~340 | 313~451 | 2,400~2,700 | 61~87 | 12,000 | 7.09 |
| TF-70 | 132~243 | 14,771 | 166.8 | 258~348 | 329~433 | 2,400~2,700 | 85~111 | 15,000 | 8.07 |

**For Midium and Heavy Excavators(TF-14 through TF-70)**
To handle the toughest rock excavations and large demolition projects

1) Weights apply to standard carriers only. Any alterations or variances must be agreed with Ramfos after-sales service department and/or the carrier manufacturer prior to mounting.
2) Standard tool, standard mounting adapter and spacers included except hydraulic hoses, fittings and mounting pins.
3) The length measured from the tool tip of the standard tool to the top of the hammer including mounting adapter.
4) Please contact TYFOS or TYFOS dealer to check the actual energy value.

# RAMFOS TF Series by Tyfos




**TYFOS Inc.**

307, Hajang-ri, Ipjang-myeon, Cheonan-si,
Chungcheongnam-do, Korea
**TEL** +82-41-585-7727~8
**FAX** +82-41-585-7729
www.ramfos.com


**Distributed by**


**Construction Equipment Co., Inc.**
18320 Shelbyville Rd. Fisherville, KY 40023, U.S.A
**Tel** 502-254-5881
**Fax** 502-244-3620
Wayne Gilezan 502-664-6019
Jay Noel 859-421-7541
**E-Mail address** ramfosofkentucky@aol.com