



# Tiger Machine Company



TSP-12RB

## TIGER EQUIPMENT SPLITTERS INNOVATIVE & VERSATILE

The TIGER series of concrete products splitters is composed of three (3) types of splitters. Hand-fed splitters, automatic feed splitters, and very large capacity, fully automatic splitters.

The TIGER splitters are full multi-purpose units that have the most advanced features in the industry. TIGER'S splitters are flexible and unique. They are the best value splitters in the industry.

TIGER'S hand feeding models are rugged, practical units that are simple to operate. These splitters come in two (2) models, the HF-2W splitter and the HF-4W splitter. HF splitters are suitable for a large variety of tasks, and are commonly used off-line. These splitters' operating design uses a moving top-blade and movable-table with a fixed bottom blade.

TIGER'S automatic feeding splitters are as easy to operate, maintain and repair as they are practical, robust and fast. They come in two (2) models, the AF-3 splitter and the AF-4 splitter. Both are suitable for a larger variety of tasks. The AF Series, can split larger sizes of concrete segmental retaining wall units, and can be used off-line and in-line equally. AF-3 splitters use a moving top-blade and movable-table with a fixed bottom blade. AF-4 splitters uses a top and bottom moving blades.

TIGER'S fully automated, high-capacity TSP-Series splitter models are our largest and fastest splitters. They are extremely robust and agile. They are the paradigm of technical sophistication in the industry. They come in two (2) models, the TSP-12 and TSP-16. They are ideally suited for high capacity, large size unit production, and can split the largest size units in the market. These magnificent splitters can be used off-line or in-line. They have the unique advantage of being available with a Rotating Blade Head option (TSP-12RB and TSP-16RB). The splitters blade-holding head configuration allows simply rotating the blade holder head permitting installation of a new (or different) set of blades, without having to remove, disassemble and reassemble the whole splitting head and blade holder. These splitters use movable top and bottom blades.

TIGER splitters allow for easy production changes to make multiple units in a single shift; a clear advantage when marketing diverse products in our always changing industry. These are some of the reasons more and more customers are switching to TIGER's quality, reliable and low cost splitters.

**Whether your splitter needs are large or small TIGER has a splitter that will fit your requirements!**



HF-2W



HF-4W



AF-3



AF-4

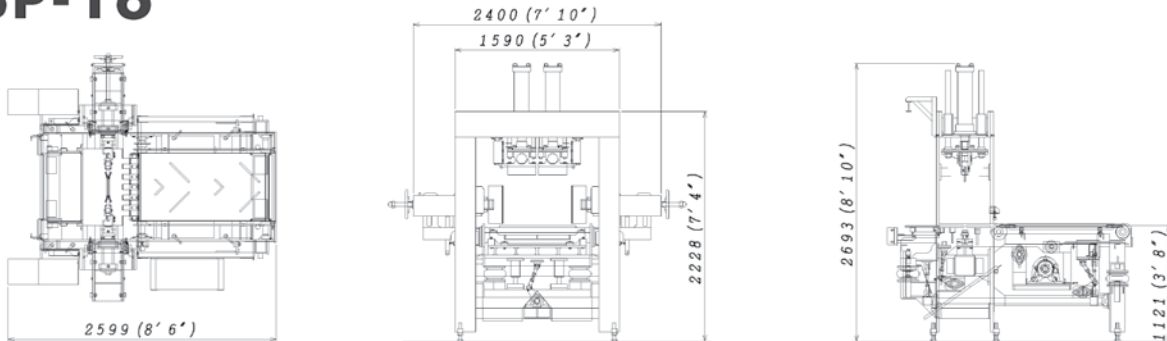


TSP-12

*Leadership through innovation.*

Please discuss your plant requirements with a TIGER representative. Our TIGER team of experts in the field of concrete product manufacturing are ready to assess your needs and provide the equipment that best suits your requirements. Let us help you identify the correct splitter to fit your product applications.

## TSP-16



Download these and other TIGER technical specifications at [www.tigermachine.com/resources/](http://www.tigermachine.com/resources/)

## SPLITTER MACHINES SPECIFICATIONS

| Features   | HF-2W                     | HF-4W                      | AF-3                     | AF-4                     | TSP-12                   | TSP-16                    |
|--|---------------------------|----------------------------|--------------------------|--------------------------|--------------------------|---------------------------|
| Main pump motor - kW                             | 5.5 kW (7.3 hp)           | 5.5 kW (7.3 hp)            | 15 kW (20 hp)            | 15 kW (20 hp)            | 15 kW (20 hp)            | 15 kW (20 hp)             |
| Hydraulic pump - Liters per minute               | 24.7 liters (6.5 Gallons) | 60 liters (15.7 Gallons)   | 75 liters (19.7 Gallons) | 125 liters (33 Gallons)  | 125 liters (33 Gallons)  | 165 liters (43.4 Gallons) |
| Oil Cooling Fan/Heat exchanger motor - kW        | N/A                       | 0.1 kw (0.14 hp)           | 0.1 kw (0.14 hp)         | 0.2 kw (0.27 hp)         | 0.2 kw (0.27 hp)         | 0.2 kw (0.27 hp)          |
| Hydraulic oil reservoir/Tank - Liters            | 130 liters (34.2 Gallons) | 180 liters (47.36 Gallons) | 300 liters (79 Gallons)  | 300 liters (79 Gallons)  | 390 liters (103 Gallons) | 480 liters (126 Gallons)  |
| Recirculating pump motor - kW                    | N/A                       | N/A                        | N/A                      | 1.5 kW (2 hp)            | 0.75 kW (1 hp)           | 0.75 kW (1 hp)            |
| Recirculating pump - Liters per minute           | N/A                       | N/A                        | N/A                      | 45 liters (11.8 Gallons) | 45 liters (11.8 Gallons) | 45 liters (11.8 Gallons)  |
| Hydraulic system pressure - MPa                  | 12 MPa (1740 psi)         | 10 MPa (1450 psi)          | 10 MPa (1450 psi)        | 10 MPa (1450 psi)        | 10 MPa (1450 psi)        | 14 MPa (2030 psi)         |
| Bar conveyor motor kW                            | N/A                       | N/A                        | 1.5 kW (2 hp)            | Hydraulic                | 1.5 kW (2 hp)            | 2.2 kW (2.9 hp)           |
| Floating table type                              | Spring loaded             | Spring loaded              | Air-Bag support          | Fixed                    | Air-Bag support          | Air-Bag support           |
| Hydraulic pump configuration                     | Axial piston pump (VD)    | Axial piston pump (VD)     | Axial piston pump (VD)   | Axial piston pump (VD)   | Axial piston pump (VD)   | Axial piston pump (VD)    |
| Upper blade cylinder                             | Dual cylinder             | Single cylinder            | Dual cylinder            | Single cylinder          | Dual cylinder            | Dual cylinder             |
| <b>Productivity</b>                              |                           |                            |                          |                          |                          |                           |
| Number of splits per hour (20 cm/8" split face)  | 300                       | 240                        | 500                      | 500                      | 1300                     | 1300                      |
| Product handling                                 | Manual                    | Manual                     | Bar conveyor (Auto)      | Bar conveyor (Auto)      | Bar conveyor (Auto)      | Bar conveyor (Auto)       |
| <b>Split product dimensions</b>                  |                           |                            |                          |                          |                          |                           |
| Maximum product width                            | N/A                       | 450 mm (17.72")            | 540 mm (21.25")          | 610 mm (24")             | 610 mm (24")             | 610 mm (24")              |
| Minimum products width                           | N/A                       | 120 mm (4.72")             | 200 mm (7.88")           | 203 mm (8")              | 360 mm (14.17")          | 360 mm (14.17")           |
| Maximum product height                           | 305 mm (12")              | 215 mm (8.47")             | 215 mm (8.47")           | 305 mm (12")             | 305 mm (12")             | 405 mm (15.94")           |
| Minimum products height                          | 80 mm (3-1/8")            | 40 mm (1.56")              | 40 mm (1.56")            | 40 mm (1.56")            | 40 mm (1.56")            | 40 mm (1.56")             |
| <b>Product feeding</b>                           |                           |                            |                          |                          |                          |                           |
| Manual   | YES                       | YES                        | N/A                      | N/A                      | N/A                      | N/A                       |
| Bar conveyor                                     | N/A                       | N/A                        | YES - Chain guided       | YES - Chain guided       | YES - Chain guided       | YES - Chain guided        |
| <b>Splitting Configuration</b>                   |                           |                            |                          |                          |                          |                           |
| Two-way splitting                                | YES                       | N/A                        | N/A                      | N/A                      | N/A                      | N/A                       |
| Four-way splitting                               | N/A                       | YES                        | YES                      | YES                      | YES                      | YES                       |
| <b>Options</b>                                   |                           |                            |                          |                          |                          |                           |
| Single Blade                                     | Available                 | Available                  | Available                | Available                | N/A                      | N/A                       |
| Dual Blade                                       | Available                 | Available                  | Available                | Available                | Standard                 | Standard                  |
| Rotating blade holder                            | N/A                       | N/A                        | N/A                      | N/A                      | Available RB-Option      | Available RB-Option       |
| <b>Dimensions &amp; Weight</b>                   |                           |                            |                          |                          |                          |                           |
| Weight   | 1000 kg (2200 lbs)        | 1000 kg (2200 lbs)         | 3000 kg (6600 lbs)       | 1500 kg (3300 lbs)       | 3500 kg (7700 lbs)       | 3500 kg (7700 lbs)        |
| Splitter size (Width x Height x Length) - mm     | 1260 x 1700 x 2210        | 2400 x 1700 x 2070         | 2300 x 2060 x 2050       | 2800 x 1800 x 2570       | 2865/2400/2500           | 2865 x 2400 x 2700        |
| Splitter size (Width x Height x Length) - inches | 49" x 67" x 87"           | 95" x 67" x 82"            | 91" x 81" x 81"          | 110" x 71" x 101"        | 1123" x 95" x 98"        | 1123" x 95" x 106"        |

## JOIN THE CONCRETE REVOLUTION

TIGER reserves the right to change, discontinue or improve product design and specifications without prior notice.



National  
Concrete Masonry  
Association

### Tiger International, Inc.

Worldwide Sales

P.O. Box 2288 • Portage, MI 49081-2288 — U.S.A.

Phone: 269-324-6192 • Fax: 269-324-6193

[www.tigermachine.com](http://www.tigermachine.com)



Interlocking  
Concrete  
Pavement  
Institution

### Tiger Machine Co., Ltd.

World Headquarters

2327 Abe Ochiai-cho, Takahashi-Shi  
Okayama-Ken 716-0061 — Japan

Phone: +81-866-22-2927 • Fax: +81-866-22-2844



### Pathfinder Systems

Canada & U.S. Sales

695 Ottawa Beach Rd. Holland, MI 49424 — U.S.A.

Phone: 616-395-8447 • Fax: 616-395-5995