



## DUAL-SHEAR® TWO-SHAFT SHREDDERS

SSI's Dual-Shear® line of low-speed, high-torque, two-shaft, rotary shear shredders are designed to efficiently process the most difficult materials.

Dual-Shear® shredders from SSI are designed to process a wide range of materials from metals, soft plastics and tires to product destruction or any diverse and contaminated material where particle size variation is acceptable. Output consists of "strips" the width of the cutters - usually 1" to 3". Dual-Shear® shredders are configured in a variety of sizes, drive options, and cutter configurations.



### THE DUAL-SHEAR® ADVANTAGE

- High-torque shearing technology efficiently processes tough materials
- Low noise, dust, heat generation and maintenance costs
- Wear-resistant cutters
- Heavy-duty construction
- Shock protection
- Minimum foundation requirements
- Bulk feed capability
- Minimal "fines" generation
- Energy efficient operation

### DESIGN FEATURES

- Electric, hydraulic and SmartDrive™ drive configurations
- Application-specific feed hoppers and cutter configurations
- Direct drive
- Seal & bearing protection
- Patented "Severe Shock Protection" (SSP)
- Patented "Advanced Cutter Locking System" (ACLS)
- Cleaning Fingers



### TYPICAL SHREDDING APPLICATIONS

#### ALTERNATIVE FUEL/REFUSE-DERIVED FUEL

MSW, industrial waste, wood, paper, tires, plastics, carpet, textiles, etc.

#### PRODUCT/SECURITY DESTRUCTION

Paper/documents, hard drives, off-spec or outdated goods, pharmaceuticals, electronics, plastic parts, etc.

#### WASTE TREATMENT/ALTERNATIVE DISPOSAL

Medical waste, radioactive materials, organics, paper fibers, MSW, industrial waste, etc.

#### CONTAMINATED MATERIALS & SEVERE APPLICATIONS

Materials with diverse contamination and hazards.

#### METAL MATERIALS

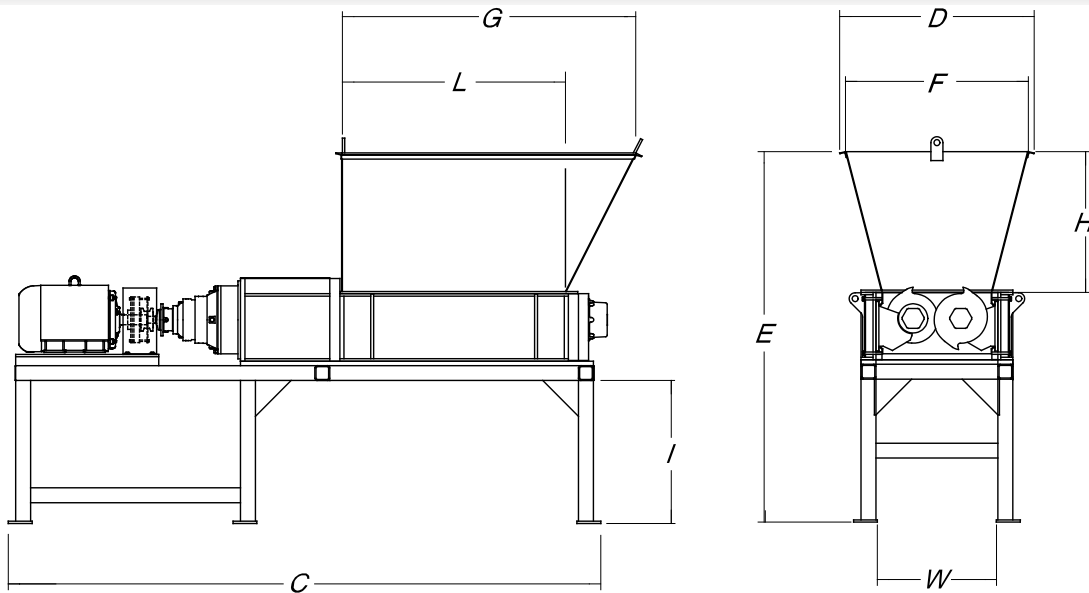
Aluminum, ferrous, non-ferrous, metal turnings, steel drums.

#### TIRES

Passenger, truck, and OTR (off-the-road) tires.

#### PLASTICS

Purgings, rolls and sheets, film, off-spec products, etc.



MODEL NO.	M45	M50	M55	M70	M85	M100	M120	M140	M160
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Dual-Shear® Specifications									
Drive	Electric	Electric	Electric; Hydraulic drive also available	Electric; Hydraulic drive also available	Electric; Hydraulic drive also available	Electric; Hydraulic drive also available	Electric; Hydraulic drive also available	Electric; Hydraulic drive also available	Electric; Hydraulic drive also available
HP Range	11.5 HP (9 kW)	25 HP (19 kW)	30-40 HP (23-30 kW)	60-75 HP (45-56 kW)	100-150 HP (75-113 kW)	200 HP (150 kW)	250-400 HP (186-300 kW)	300-400 HP (225-300 kW)	500 HP (372kW)
Voltage	460/3/60	460/3/60	460/3/60*	460/3/60*	460/3/60*	460/3/60*	460/3/60*	460/3/60*	460/3/60*
Cutter thickness	1" (25 mm)*	1" (25 mm)*	1" (25 mm)*	1.5" (38mm)*	2" (50 mm)*	2" (50 mm)*	2" (50 mm)*	2" (50 mm)*	2" (50 mm)*
Cutter diameter	9.8" (248 mm)	11.4" (290 mm)	11.4" (290 mm)	14.4" (365 mm)	18.1" (460 mm)	20.9" (530 mm)	24" (610 mm)	27.1" (690 mm)	33.5" (850 mm)
Shaft diameter	N/A	4.1" (105 mm)	4.12" (105 mm)	5.2" (132 mm)	6" (152 mm)	7.4" (188 mm)	8.3" (211 mm)	9" (229 mm)	10" (254 mm)
Cutting chamber (WxL)	19" in x 19" (485 mm x 485 mm)*	22" x 25" (580 mm x 635 mm)*	23" x 40" (580 mm x 1,025 mm)*	29" x 40" (725mm x 1,015 mm)*	35" x 52" (890 mm x 1,315 mm)*	41" x 63" (1,065 mm x 1,600 mm)*	46" x 63" (1,168 mm x 1,600 mm)*	52" x 75" (1,320 mm x 1,905 mm)*	64 x 75" (1,625mm x 1900mm)
Machine length (C)	71" (1,816 mm)	103" (2,616 mm)	122" (3,105 mm)	155" (3,945 mm)	164" (4,166 mm)	193" (4,891mm)	211" (5,359 mm)	230" (5,850 mm)	245" (6,223 mm)
Machine width (D)	29" (746 mm)	66" (1,676 mm)	46" (1,180 mm)	60" (1,520 mm)	64" (1,622 mm)	65" (1,661 mm)	72" (1,825 mm)	89" (2,275 mm)	80" (2,032mm)
Machine height (E)	72" (1,838 mm)	104" (2,642 mm)	100" (2,551 mm)-standard stand, head and hopper	113" (2,864 mm)-standard stand, head and hopper	117" (2,981 mm)-standard stand, head and hopper	124" (3,159 mm)-standard stand, head and hopper	128" (3,251 mm)-standard stand, head and hopper	164" (4,175 mm)-standard stand, head and hopper	169" (4,293 mm)-standard stand, head and hopper
Machine weight	2,061 lbs (930 kg)	3,650 lbs (1,659 kg)	5,500 lbs. (2,400 kg)	11,000 lbs. (5,000 kg)	15,500 lbs. (7,031 kg)	27,000 lbs. (12,247 kg)	35,000 lbs. (15,800 kg)	44,000 lbs. (19,800 kg)	73,000 lbs. (33,113 kg)
Hopper opening (FxG)	N/A	39" x 34 1/4" (1,000 mm x 882 mm)	42" x 51" (1,065 mm x 1,290 mm)	55" x 67" (1,400 mm x 1,700 mm)	59" x 67" (1,500 mm x 1,708 mm)	62" x 88" (1,579 mm x 2,225 mm)	65" x 75" (1,650 mm x 1,905 mm)	69" x 96" (1,755 mm x 2,440 mm)	96" x 144 " (2,440 mm x 3,660 mm)
Hopper height (H)	N/A	36" (914 mm)*	36" (915 mm)*	45" (1,150 mm)*	45" (1,150 mm)*	47" (1,200 mm)*	49" (1,250 mm)*	59" (1,500 mm)*	69" (1,750 mm)*
Discharge height (I)	N/A	39.5" (1,003 mm)*	48" (1,220 mm)*	48" (1,225 mm)*	48" (1,225 mm)*	48" (1,225 mm)*	48" (1,225 mm)*	60" (1,525 mm)*	60" (1,525 mm)*

Note: Illustrations, specifications and descriptions presented reflect standard product at time of publication and are subject to change without notice. Dimensions are approximate. Photographs may include optional equipment and accessories. SSI offers compactors, balers, granulators, conveyors, classifiers, specialized motors, stands, hoppers and mobile configurations. Consult factory to discuss your processing needs.