



ENGINEERED PRODUCTS

FINE MATERIAL WASHERS

Engineers and Manufacturers of Washing, Vibrating and Crushing Equipment

Description

Trio's heavy duty **Fine Material Washers** are ideally suited for removing material in applications such as fines recovery, sand manufacturing, concrete reclamation, salt reclamation, and municipal waste removal.

Built with large, three stage gearboxes and outboard lower bearing assemblies, the units are designed for long operating life and maintenance ease. Trio's washing equipment is fabricated with heavy duty tubs, ensuring an operating life that will exceed that of the competition.

Perhaps the best feature of Trio's washing products involves the extreme duty gearbox, designed for maximum torque, and slow speed operations. With oversize gears, these most critical components of the sand screws provide an added safety factor for today's demanding operators.

These products are designed and manufactured with more than twenty years of operating knowledge of washing equipment and are widely accepted throughout the world.

Operating Principal

Feed material enters the feed box and is distributed into the washer's settling pool. Internal and external baffles control the feed velocity and limit water current speeds and turbulence, enabling the washers to retain fines. Lighter products such as silt, excessively fine material, and other deleterious materials do not have time to settle and are carried away with the water over the long, adjustable side and end weirs.

The settled material is augured up the washers by the spiral flights. Additional cleaning takes place by the abrading action of the material fractions. Excess water is drained back to the pooling area as the material is conveyed up and out the upper end of the trough.

Distributed by:



Applications

- Gravel
- Mixed Debris
- Crushed Stone
- Mud
- Mixed Clay Material
- Environmental

Models / Sizes

- 36" x 25' - Single / Twin
- 44" x 32' - Single / Twin
- 54" x 34' - Single / Twin
- 66" x 36' - Single / Twin
- 72" x 38' - Single / Twin

Features

- Extreme duty gearbox with 100% to 16% reduction capability
- Heavy walled auger shafts
- Rising current system
- Cast wear shoes
- Adjustable weirs

Other Considerations

- One Year Warranty
- Quick Deliveries
- Off-the-shelf parts
- Nationwide distribution
- Superior Quality
- Low Price Guarantee

TRIO Equipment Europe Ltd.,

Clonminam Industrial Park, Portlaoise, Co. Laois, Ireland.

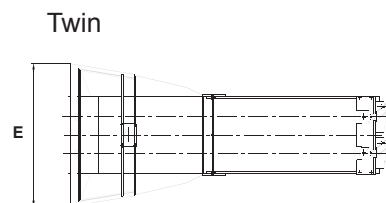
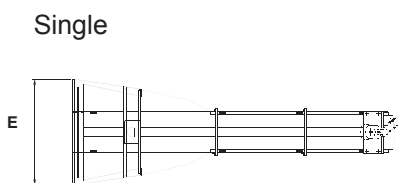
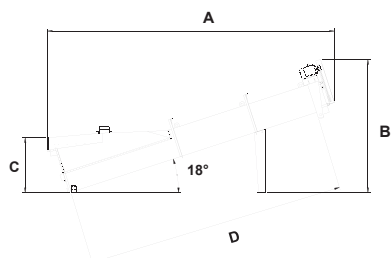
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Single Screw Washers

Hydraulic Mesh Split

Washer	Feeding Size		Max Capacity (thp)	Power		Operating Speed (rpm)	Machine Weight		Hydraulic Mesh Split		
	(in)	(mm)		(hp)	(kw)		(lbs)	(kg)	100 Mesh	150 Mesh	200 Mesh
36" x 25'	3/8	8	100	15	7.5	21	13,800	6200	720	320	180
44" x 32'	3/8	8	175	25	18.5	17	21,700	10000	1720	760	460
54" x 34' (& 36')	3/8	8	275	40	30	14	31,500	14300	2090	930	575
66" x 35'	3/8	8	400	60	45	11	39,800	18000	2590	1150	650
72" x 38'	3/8	8	475	75	56	11	58,000	26300	2830	1260	710

Double Screw Washers (Twin)

Hydraulic Mesh Split

Washer	Feeding Size		Max Capacity (thp)	Power		Operating Speed (rpm)	Machine Weight		Hydraulic Mesh Split		
	(in)	(mm)		(hp)	(kw)		(lbs)	(kg)	100 Mesh	150 Mesh	200 Mesh
36" x 25'	3/8	8	200	15x2	7.5x2	21	24,000	11000	1250	640	360
44" x 32'	3/8	8	350	25x2	18.5x2	17	38,000	17250	2800	1440	810
54" x 34'	3/8	8	550	40x2	30x2	14	58,000	26500	3700	1750	935
66" x 36'	3/8	8	800	60x2	45x2	11	80,000	36300	4375	2100	1095
72" x 38'	3/8	8	950	75x2	56x2	11	106,000	48000	5040	2250	1250

Dimensions

Model / Dimension	A		B		C		D		E	
	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)	(in)	(mm)
TSW3625	342"	8686	159"	4038	66"	1676	308"	7823	111"	2819
TSW4432	426"	10820	192"	4876	85"	2159	284"	7213	155"	3937
TSW5434	444"	11277	208"	5283	98"	2489	394"	10007	176"	4470
TSW6635	483"	12268	237"	6019	103"	2616	420"	10668	176"	4470
TSW7238	519"	13182	248"	6299	106"	2692	456"	11582	181"	4597
TTSW3625	342"	8686	159"	4038	66"	1676	308"	7823	148"	3759
TTSW4432	426"	10820	192"	4876	85"	2159	385"	7213	201"	5105
TTSW5434	444"	11277	208"	5283	98"	2489	394"	10007	229"	5816
TTSW6635	483"	12268	237"	6019	103"	2616	420"	10668	272"	6908
TTSW7238	419"	10642	248"	6299	106"	2692	456"	11582	278"	7061

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