

Trio® Inclined Screens - TIH, TIHSP, TIO and TIOSP Series

Product Collection



TIH Series Typical Physical Properties												
MODEL	DECKS	SIZE		WEIGHT		POWER		MAX MATERIAL		NORMAL SPEED rpm	MAX AMPLITUDE	
		mm x mm	ft x ft	kg	lbs	kw	hp	mm	in		mm	in
TIH4101	1	1,270 x 3,080	4x10	1,918	4,228	7.5	10	200	8	840	9.5	3/8
TIH4102	2	1,270 x 3,080	4x10	2,802	6,177	7.5	10	200	8	840	9.5	3/8
TIH4103	3	1,270 x 3,080	4x10	4,128	9,101	11	15	200	8	840	9.5	3/8
TIH4122	2	1,270 x 3,670	4x12	2,875	6,338	7.5	10	200	8	840	9.5	3/8
TIH5142	2	1,525 x 4,268	5x14	4,300	9,480	11	15	200	8	840	9.5	3/8
TIH5143	3	1,525 x 4,268	5x14	5,142	11,336	11	15	200	8	840	9.5	3/8
TIH5162	2	1,525 x 4,878	5x16	4,720	10,406	11	15	200	8	840	9.5	3/8
TIH6202	2	1,830 x 6,096	6x20	5,454	12,024	18.5	25	200	8	840	9.5	3/8
TIH6203	3	1,830 x 6,096	6x20	7,171	15,809	18.5	25	200	8	840	9.5	3/8

TIHSP Series Typical Physical Properties												
MODEL	DECKS	SIZE		WEIGHT		POWER		MAX MATERIAL		NORMAL SPEED rpm	MAX AMPLITUDE	
		mm x mm	ft x ft	kg	lbs	kw	hp	mm	in		mm	in
TIHSP4072	2	1,270 x 2,070	4 x 7	4,700	10,362	15	20	600	24	840	9.5	3/8
TIHSP4102	2	1,270 x 3,048	4 x 10	4,936	10,882	15	20	400	16	840	9.5	3/8
TIHSP5143	3	1,525 x 4,260	5 x 14	9,000	19,842	18.5	25	400	16	780	11	7/16

TIOSP Series Typical Physical Properties												
MODEL	DECKS	SIZE		WEIGHT		POWER		MAX MATERIAL		NORMAL SPEED rpm	MAX AMPLITUDE	
		mm x mm	ft x ft	kg	lbs	kw	hp	mm	in		mm	in
TIOSP4101	1	1,270 x 3,080	4 x 10	4,100	9,039	15	20	400	16	840	9.5	3/8
TIOSP4102	2	1,270 x 3,080	4 x 10	4,650	10,251	15	20	400	16	840	9.5	3/8
TIOSP5142	2	1,525 x 4,260	5 x 14	7,247	15,977	18.5	25	400	16	840	9.5	3/8
TIOSP5162	2	1,525 x 4,878	5 x 16	7806	17,209	18.5	25	400	16	770	11	7/16
TIOSP5163	3	1,525 x 4,878	5 x 16	9247	20,386	22	30	400	16	810	10.5	13/32
TIOSP6162	2	1,830 x 4,878	6 x 16	8,540	18,827	30	40	400	16	800	10.5	13/32
TIOSP6163	3	1,830 x 4,878	6 x 16	10,720	23,634	30	40	400	16	800	10.5	13/32
TIOSP6202	2	1,800 x 6,096	6 x 16	10368	22,857	37	50	400	16	770	11	7/16
TIOSP7202	2	2,134 x 6,096	7 x 20	13,219	29,143	18.5 x 2	25 x 2	500	20	770	11	7/16
TIOSP8203	2	2,440 x 6,096	8 x 20	19890	43,849	30 x 2	40 x 2	320	12	770	11	7/16

NOTE: Please see page 36 for Typical Physical Properties for TIO Series

Design Feature	Benefit	Applications
• Single, double, triple, quad deck configurations available	▶ Application flexibility	<ul style="list-style-type: none"> • SP models for feed sizes over 200 mm/8" • General sizing applications from 150 mm to 3 mm wet or dry
• Crowned or flat deck support frames (stress relieved)	▶ Either wire cloth or synthetic media can be used	
• Precision machined and ground forged steel eccentric shaft/s	▶ Superior bearing fit and shaft strength	
• Branded grease or oil bearings from SKF, FAG, Timken and NSK	▶ Maximum bearing performance	
• 'Huck' bolt fastener construction	▶ Provides exceptional reliability	
• Replaceable bolted and welded, abrasion resistant, steel lined feed box and discharge lips	▶ Easy replacement and protection of heavy wear areas	

Trio® Inclined Screens - TIH, TIHSP, TIO and TIOSP Series

Product Collection

Trio® Log Washers - TLW Series

Product Collection

TIO Series Typical Physical Properties												
MODEL	DECKS	SIZE		WEIGHT		POWER		MAX MATERIAL		NORMAL SPEED	MAX AMPLITUDE	
		mm x mm	ft x ft	kg	lbs	kw	hp	mm	in	rpm	mm	in
TIO5142	2	1,525 x 4,260	5 x 14	4,352	9,595	11	15	200	8	840	9.5	3/8
TIO5143	3	1,525 x 4,260	5 x 14	5,523	12,176	11	15	200	8	840	9.5	3/8
TIO5162	2	1,525 x 4,878	5 x 16	4,599	10,139	11	15	200	8	840	9.5	3/8
TIO5163	3	1,525 x 4,878	5 x 16	5,747	12,670	11	15	200	8	840	9.5	3/8
TIO6162	2	1,830 x 4,878	6 x 16	5,519	12,167	15	20	200	8	840	9.5	3/8
TIO6163	3	1,830 x 4,878	6 x 16	6,805	15,002	15	20	200	8	840	9.5	3/8
TIO6202	2	1,830 x 6,096	6 x 20	6,096	13,439	15	20	200	8	840	9.5	3/8
TIO6203	3	1,830 x 6,096	6 x 20	7,299	16,092	18.5	25	200	8	840	9.5	3/8
TIO6204	4	1,830 x 6,096	6 x 20	10,268	22,637	18.5	25	200	8	840	9.5	3/8
TIO7202	2	2,134 x 6,096	7 x 20	9,030	19,908	22	30	200	8	800	10.5	13/32
TIO7203 (Single)	3	2,134 x 6,096	7 x 20	11,910	26,257	30	40	200	8	800	10.5	13/32
TIO7203 (Dual)	3	2,134 x 6,096	7 x 20	13,653	30,100	18.5 x 2	25 x 2	200	8	810	10.5	13/32
TIO7204	4	2,134 x 6,096	7 x 20	15,965	35,197	22 x 2	30 x 2	200	8	810	10.5	13/32
TIO7242	2	2,135 x 7,325	7 x 24	11,291	24,893	22 x 2	30 x 2	200	8	840	9.5	3/8
TIO7243	3	2,135 x 7,325	7 x 24	13,474	29,705	22 x 2	30 x 2	200	8	840	9.5	11/32
TIO8202	2	2,440 x 6,096	8 x 20	11,437	25,214	18.5 x 2	25 x 2	200	8	810	9.5	3/8
TIO8203	3	2,440 x 6,096	8 x 20	14,189	31,281	22 x 2	30 x 2	200	8	840	9.5	3/8
TIO8204	4	2,440 x 6,096	8 x 20	16,668	36,747	22 x 2	30 x 2	200	8	800	10.5	13/32
TIO8242	2	2,440 x 7,315	8 x 24	13,420	29,586	22 x 2	30 x 2	200	8	800	10.5	13/32
TIO8243	3	2,440 x 7,315	8 x 24	13,420	29,586	30 x 2	40 x 2	200	8	770	11	7/16



Design Feature	Benefit	Applications
• Heavy steel plate construction	▶ Durable and long life	<ul style="list-style-type: none"> • Removal of soluble clays • Removal of silts for aggregate and mine applications
• Oil lubricated heavy duty gear box designed by Weir experts	▶ Large operating service factor resulting in long life cycle	
• Bolted replaceable cast chrome or manganese two piece paddles assemblies	▶ Easy replacement and protection of heavy wear areas	
• Wash out drains	▶ Helps with wash down or cold weather operation (water removal each night)	
• Linear paddle configuration	▶ Maximum scrubbing action	
• Spiral paddle configuration	▶ Excellent scrubbing action with approximately 50% less retention time while providing maximum washer capacity	

Typical Physical Properties														
MODEL	SIZE (DIA X L)		MACHINE WEIGHT		MAX MATERIAL		POWER		CAPACITY		WATER CONSUMPTION			SPEED
	mm x mm	in x ft	kg	lbs	mm	in	kw	hp	mtph	stph	lpm	cmh	gpm	rpm
TLW3630	905 x 8,650	36 x 30	19,500	42,990	75	3	90-110	120-150	50-125	55-138	1,890	113	500	16-32
TLW3635	905 x 10,500	36 x 35	22,800	50,160	75	3	110	150	50-125	55-138	1,890	113	500	16-32
TLW4430	1,120 x 8,650	44 x 30	27,500	60,600	102	4	110-160	150-200	75-175	83-193	2,840	170	750	13-26
TLW4435	1,120 x 10,500	44 x 35	31,950	70,300	102	4	160	200	75-175	83-198	2,840	170	750	13-26