



Australasia

Motorised Pulleys



Delivering Aussie Excellence

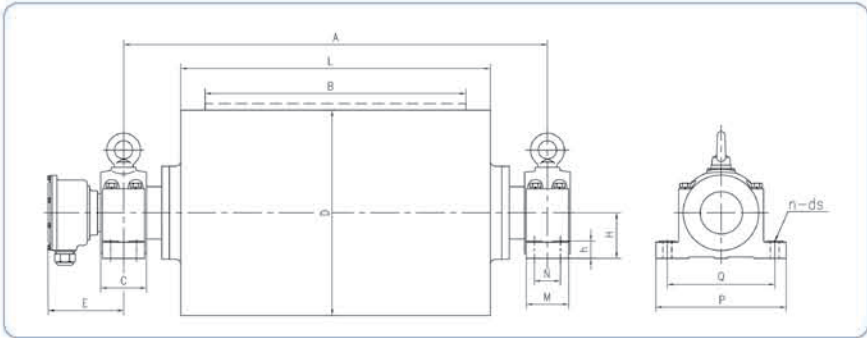
YT (YII) Type Oil-steeped Motorised Pulley



The YT(YII) type oil-steeped motorised pulley is designed for large and medium-sized belt conveyors. It features an oil-steeped pulley that drives an advanced planetary gear reducer, offering high precision and low noise as its key advantages. The motorised pulley is fully enclosed and sealed to prevent oil leakage, enabling reliable operation in humid and dusty environments. For extremely harsh conditions, a special seal is available. As an ideal drive solution for bucket wheel stackers and reclaimers, as well as loading and unloading machines, this type of motorised pulley is widely used in mines, factories, and ports.

Parameter List

D Drum Dia. D mm	P Power (kW)	B Belt Width B mm	V m/s Velocity of drum surface							M Mass M kg
			1.0	1.25	1.6	2.0	2.5	3.15	4.0	
Ø630	18.5	800	✓	✓	✓	✓	✓	✓	✓	1200/1250/1350/1450
	22	1000	✓	✓	✓	✓	✓	✓	✓	1250/1300/1400/1500
	30	1200	✓	✓	✓	✓	✓	✓	✓	1300/1350/1450/1550
	37	1400	✓	✓	✓	✓	✓	✓	✓	1350/1400/1500/1600
	45	1600	✓	✓	✓	✓	✓	✓	✓	1400/1450/1550/1650
Ø800	18.5 22 30 37	800		✓	✓	✓	✓	✓	✓	1270/1320/1420/1520
		1000		✓	✓	✓	✓	✓	✓	1320/1370/1470/1570
		1200		✓	✓	✓	✓	✓	✓	1370/1420/1520/1620
		1400		✓	✓	✓	✓	✓	✓	1420/1470/1570/1670
		1600		✓	✓	✓	✓	✓	✓	1470/1520/1620/1720
	45 55	1000	△	△	✓	✓	✓	✓	✓	2080/2130
		1200	△	△	✓	✓	✓	✓	✓	2200/2250
		1400	△	△	✓	✓	✓	✓	✓	2320/2370
		1600	△	△	✓	✓	✓	✓	✓	2440/2490
		1800	△	△	✓	✓	✓	✓	✓	2560/2610
	75 90	2000	△	△	✓	✓	✓	✓	✓	2680/2730
		1200				✓	✓	✓	✓	2250/2320
		1400				✓	✓	✓	✓	2370/2440
		1600				✓	✓	✓	✓	2490/2560
		1800				✓	✓	✓	✓	2610/2680
Ø1000	45 55	2000				✓	✓	✓	✓	2730/2800
		1000			△	✓	✓	✓	✓	2150/2200
		1200			△	✓	✓	✓	✓	2300/2350
	75 90 110	1400			△	✓	✓	✓	✓	2500/2550
		1200					✓	✓	✓	2350/2420/2650
		1400					✓	✓	✓	2550/2620/2850
		1600					✓	✓	✓	2750/2820/3050
		1800					✓	✓	✓	2950/3020/3250
		2000					✓	✓	✓	3150/3220/3450



Mounting External Size

D	B	A	L	H	C	M	N	P	Q	h	n-ds	E
Ø630 Ø800 Ø1000	800	1300	950	140	140	130	80	400	330	35	4- Ø27	235
	1000	1500	1150									
	1200	1750	1400	160	160	150	90	440	360	50	4- Ø34	245
	1400	2000	1600									
	1600	2200	1800									
	1800	2400	2000									
	2000	2600	2200									

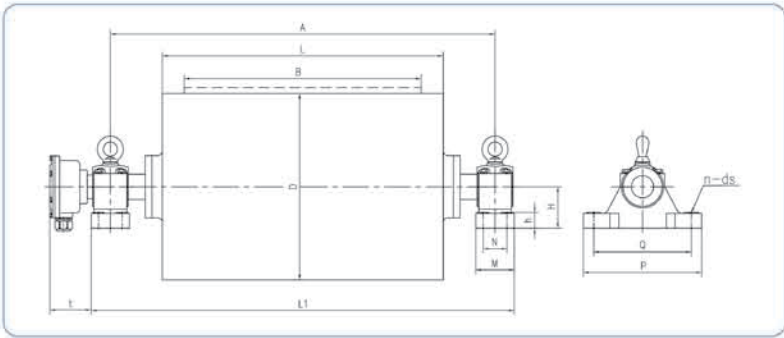
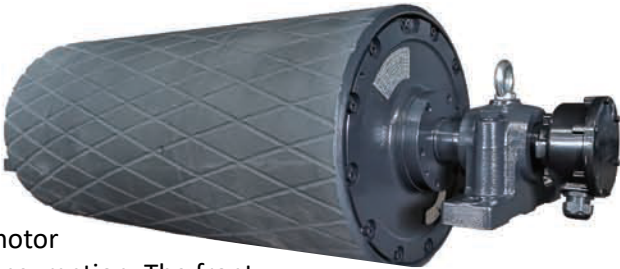
Order Symbol

Type	Additional features	P Power (KW)	V Velocity of drum surface (m/s)	B Belt width (mm)	D Drum dia. (mm)	Other requirements
YT(YII)	Backstop	See table	See table	See table	See table	Rubber surface Direction of rotation Appearance

Notes:
1. YT(YII) type oil-steeped motorized drum on occasion like operating in only direction can be made.
2. YT(YII) type oil-steeped motorized drum can be made to meet special requirements of our customers.

TDY Type Oil-cooled Motorised Pulley

The TDY type oil-cooled motorised pulley is a reliable solution for general-purpose applications across various industries. It is equipped with a high-efficiency aluminium motor that ensures optimal performance while reducing energy consumption. The front and rear end covers are constructed from robust cast iron, offering excellent durability and resistance to wear. The motor complies with or exceeds high-efficiency standards for its power class. The TDY motorised pulley remains a popular and dependable choice for continuous operation in demanding environments.



Parameter List

D Drum Dia.D mm	P Power (kW)	B Belt Width B mm	V m/s Velocity of drum surface												M Mass M kg
			0.25	0.32	0.4	0.5	0.63	0.8	1.0	1.25	1.6	2.0	2.5	3.15	
Ø320	2.2/3/4	500/650/800/1000		Δ	Δ	✓	✓	✓	✓	✓	✓	✓			235/245/255/260
	5.5/7.5	500/650/800/1000					✓	✓	✓	✓	✓	✓			269/275/283/290
Ø400	2.2/3/4	500/650/800/1000		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		253/267/277/300
	5.5/7.5	500/650/800/1000					✓	✓	✓	✓	✓	✓	✓		267/290/320/350
	11/15	800/1000									✓	✓	✓	✓	380/442
Ø500	2.2/3	500/650/800/1000		Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ			298/313/343/365
	4/5.5	500/650/800/1000	Δ	Δ	✓	✓	✓	✓	✓	✓	✓	✓	✓		365/401/430/442
	7.5/11	650/800/1000/1200				✓	✓	✓	✓	✓	✓	✓	✓	✓	475/512/550/590
	15/18.5	800/1000/1200					✓	✓	✓	✓	✓	✓	✓	✓	575/615/665
	22	800/1000/1200								✓	✓	✓	✓	✓	585/625/680
Ø630	4/5.5	650/800/1000/1200/1400	Δ	Δ	Δ	Δ	✓	✓	✓	✓	✓	✓	✓	✓	565/572/603/673/750
	7.5/11	650/800/1000/1200/1400		Δ	Δ	Δ	✓	✓	✓	✓	✓	✓	✓	✓	608/674/706/776/854
	15	800/1000/1200/1400						✓	✓	✓	✓	✓	✓	✓	692/724/794/870
	18.5	800/1000/1200/1400							✓	✓	✓	✓	✓	✓	730/762/832/910
	22	800/1000/1200/1400								✓	✓	✓	✓	✓	740/772/842/920
	30/37	1000/1200/1400/1600								✓	✓	✓	✓	✓	980/1050/1130/1150
	45	1000/1200/1400/1600								✓	✓	✓	✓	✓	1010/1090/1150/1210
Ø800	11/15	800/1000/1200/1400							✓	✓	✓	✓	✓		797/829/886/957
	18.5/22	800/1000/1200/1400									✓	✓	✓		845/877/947/1025
	30/37	1000/1200/1400/1600								✓	✓	✓	✓		1050/1100/1150/1200
	45	1000/1200/1400/1600									✓	✓	✓		1080/1130/1180/1230

Mounting External Size

D	B	A	L	L1	t	H	M	N	P	Q	h	n-ds
Ø320	500	850	600	920	120	120	70	-	340	280	35	2- Ø27
	650	1000	750	1070								
	800	1300	950	1370								
	1000	1500	1150	1570								
Ø400	500	850	600	940	120	120	90	-	340	280	35	2- Ø27
	650	1000	750	1090								
	800	1300	950	1390								
Ø500	500	850	600	940	120	120	90	-	340	280	35	2- Ø27
	650	1000	750	1090								
	800	1300	950	1390								
	1000	1500	1150	1590								
Ø630	650	1000	750	1090	120	120	90	-	340	280	35	2- Ø27
	800	1300	950	1430								
	1000	1500	1150	1630								
	1200	1750	1400	1790								
Ø800	650	1000	750	1090	120	120	90	-	340	280	35	2- Ø27
	800	1300	950	1430								
	1000	1500	1150	1630								
	1200	1750	1400	1900								
Ø800	1400	2000	1600	2150	120	120	90	-	340	280	35	2- Ø27
	1600	2200	1800	2350								
	1400	2000	1600	2150								
	1600	2200	1800	2350								

TDY-15-2.0-800-500 Order Symbol

Type	Additional features	P Power (KW)	V Velocity of drum surface (m/s)	B Belt width (mm)	D Drum dia. (mm)	Other requirements
TDY TDY-II	N- Backstop	See table	See table	See table	See table	Rubber surface Direction of rotation Appearance

YD Type Oil-steep Motorised Pulley



The YD type oil-steeped motorised pulley is an advanced electric roller featuring direct cooling, with the motor immersed in oil. It offers several advantages, including high efficiency, compact size, light weight, low noise, and long service life. This motorised pulley is widely used in automated water supply systems and material handling lines across various industries such as electronics, food processing, postal and telecommunications services, light industry, airports, and ports.

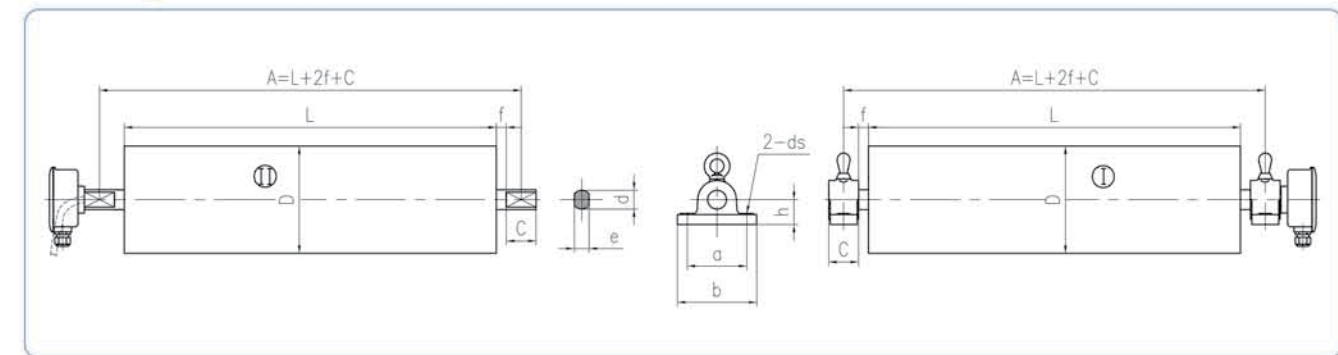
Parameter List

D Drum Dia.D mm	P Power (kW)	V Velocity of drum surface V m/s	Lmin		50mm
			Length mm	Mass kg	50mm Mass kg
Ø113	0.25	0.04,0.05,0.06,0.07,0.075,0.08,0.09,0.1,0.12,0.15	350	16	1.1
		0.2,0.25,0.32,0.4,0.45,0.5,0.63	380	16	
	0.37	0.4,0.5,0.63,0.8,0.9,1.0,1.25,1.6,2.0,2.5	380	16	
Ø138 Ø142	0.75	0.25,0.32,0.4,0.55,0.63,0.85,1.6,2.0,2.5	420	25	1.5
	1.1	0.5,0.63,0.8,1.0,1.25,1.7	420	25	
Ø165 Ø175	0.75	0.08,0.1,0.13,0.16,0.2,0.25,0.32,0.4,0.5	400	40	2
	1.1/1.5/2.2	0.63,0.8,1.0,1.25,1.6,2.0,2.5	550/550/575	60	
Ø216 Ø240	0.75	0.1,0.13,0.16,0.2,0.25,0.32,0.4,0.5,0.63,0.8,1.0,1.25,1.6,2.0,2.5	390	63	2.5
	1.1	0.13,0.16,0.2,0.25,0.32,0.4,0.5,0.63,0.8,1.0,1.25,1.6,2.0,2.5	410	67	
	1.5/2.2	0.13,0.16,0.2,0.25,0.32,0.4,0.5,0.63,0.8,1.0,1.25,1.6,2.0,2.5	460/460	69	2.8
	3/3.7	0.63,0.8,1.0,1.25,1.6,2.0,2.5	510/600	81	
Ø270	4/5.5/7.5	0.32,0.4,0.5,0.63,0.8,1.0,1.25,1.6,2.0,2.5	620/620/720	90	3.7
Ø320	4/5.5	0.32,0.4,0.5,0.63,0.8,1.0,1.25,1.6,2.0,2.5,3.15	560/560	155	5
	7.5	0.5,0.63,0.8,1.0,1.25,1.6,2.0,2.5,3.15	660	160	

Notes: The length of the cylinder is customized according to customer requirements.



Mounting External Size



D	a	b	c	d	e	f	h	ds
Ø113	—	—	25	30	20	7.5	—	—
Ø138 Ø142	—	—	25	30	20	13.5	—	—
Ø165	—	—	43.5	40	30	21.5	—	—
Ø175	120	160	60	38	30	10	50	Ø15
Ø216	—	—	43.5	40	30	21.5	—	—
Ø240	120	160	60	38	30	15	50	Ø15
Ø270	—	—	43.5	40	30	21.5	—	—
Ø320	210	260	60	42	35	15	95	Ø19

Notes: The size is customized according to customer requirements.

Order Symbol

Type	Function code	P Power (KW)	V Velocity of drum surface (m/s)	L Drum length mm	D Drum dia. (mm)	Other requirements
YD	I- Mounting brackets II- No brackets N- Backstop	See table	See table	Customization	See table	Rubber surface Round way Direction of rotation Appearance

DY-1 Type Oil-steeped Motorised Pulley

The DY-1 type oil-steeped motorised pulley is a drive device designed for various portable conveyors. It features a compact structure, is lightweight, and offers reliable and safe operation.

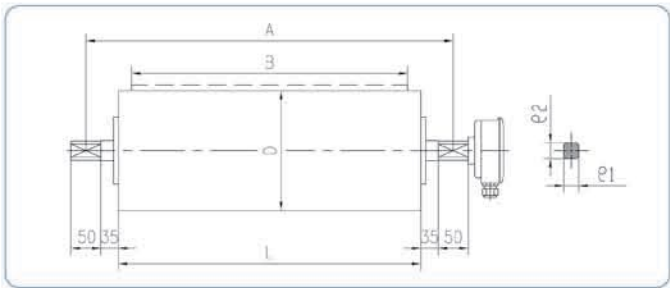


Parameter List

D Drum dia (mm)	P Power P KW	B Belt Width B mm	V Velocity of drum surface V m/s						M Mass M kg
			0.63	0.8	0.8	1.25	1.6	2.0	
Ø240	1.1/1.5/2.2	400	✓	✓	✓	✓	✓	✓	70/74/75
		500	✓	✓	✓	✓	✓	✓	76/80/81
		650	✓	✓	✓	✓	✓	✓	86/90/91
	3	500	✓	✓	✓	✓	✓	✓	81
		650	✓	✓	✓	✓	✓	✓	91
Ø320	2.2/3/4/5.5	500	✓	✓	✓	✓	✓	✓	130/132/148/153
		650	✓	✓	✓	✓	✓	✓	141/144/158/163
Ø400	3/4/5.5	500		✓	✓	✓	✓	✓	152/166/171
		650		✓	✓	✓	✓	✓	170/183/188
	7.5	650/800				✓	✓	✓	190/210

Mounting External Size

D	B	L	A	e1	e2
Ø240 Ø320	400	460	580	30d9	32
	500	560	680		
	650	730	850		
Ø400	500	560	680	38d9	39
	650	730	850		
	800	880	1000		



Notes: The size is customized according to customer requirements.

Order Symbol

Type	Additional features	P Power (KW)	V Velocity of drum surface (m/s)	B Belt width (mm)	D Drum dia. (mm)	Other requirements
DY1	N- Backstop	See table	See table	See table	See table	Rubber surface Direction of rotation Appearance



ATG Australasia supplies high-quality components, assemblies, and sub-assemblies to manufacturers across a wide range of industries, including agriculture, mining, crushing & screening, construction, waste recycling, and material processing. Our reliable solutions help drive efficiency, durability, and performance in your operations.

With our UK headquarters and sales & technical offices in the USA, Australia, China, India, and Turkey, we deliver a complete project solution. As your strategic partner, we provide expert support, global reach, and seamless integration to drive your success.



Contact details:

t: +61 (0) 483 382 700 w: atg-australasia.com
e: mrobinson@atg-global.com