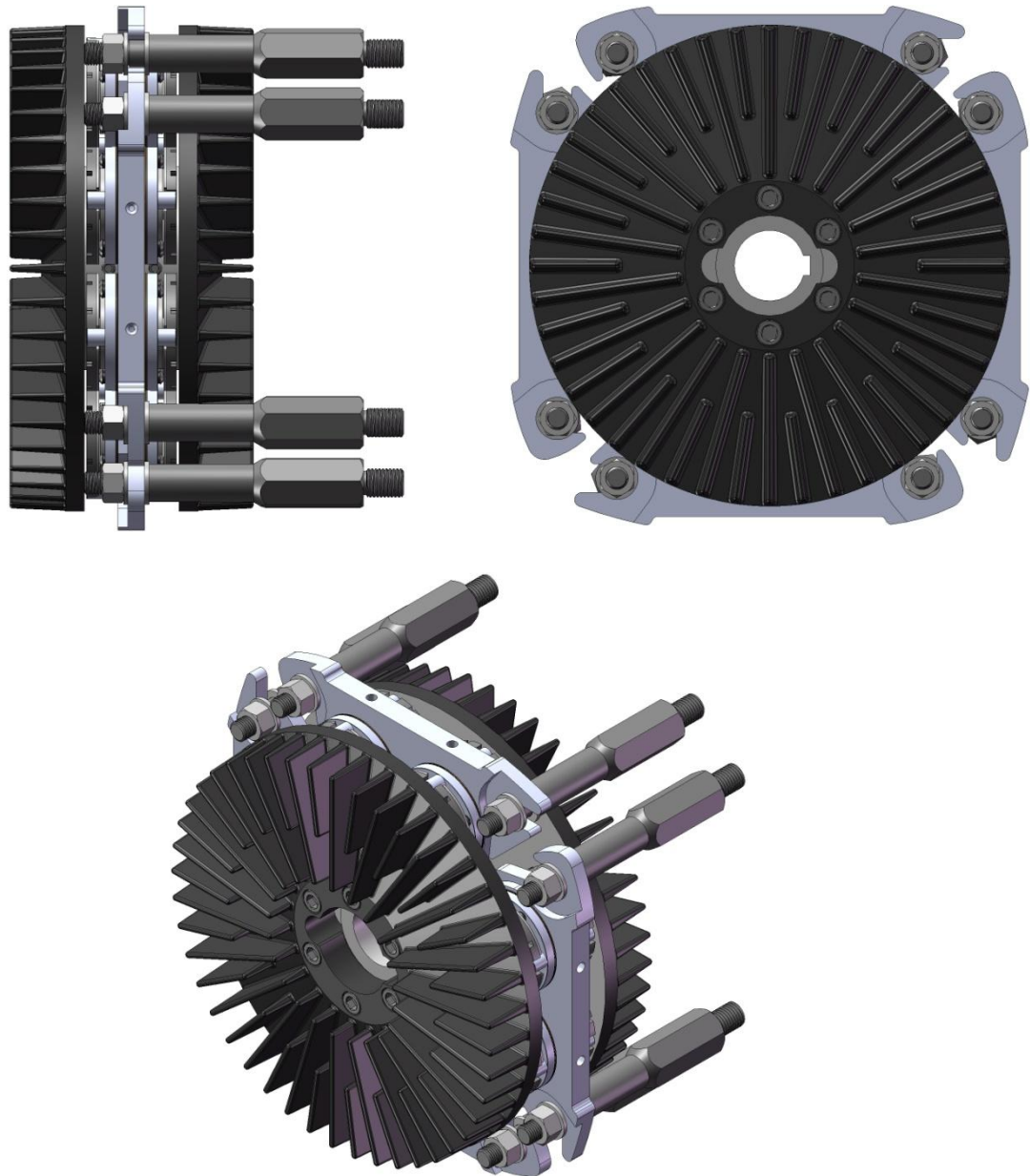


OWECON OWB250T-300T-350T Series Pneumatic Brake



The **OWECON OWB 250T-300T-350T Series pneumatically controlled brake** is the new line of double disc brakes for unwind solutions.

FEATURES

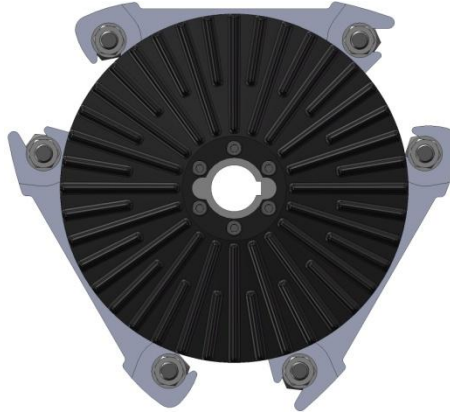
- ✓ High performance, excellent heat dissipation
- ✓ Compact industrial design - small dimensions, large application range
- ✓ Flexible torque configuration, range up to 1.280 Nm
- ✓ Easy to integrate, designed to fit modern machine environment
- ✓ Easy to install and maintain
- ✓ Cost / Performance effective – “as little as possible, as much as necessary”
- ✓ Produced and supported by OWECON – unmatched customer service and quality

Mechanical specifications

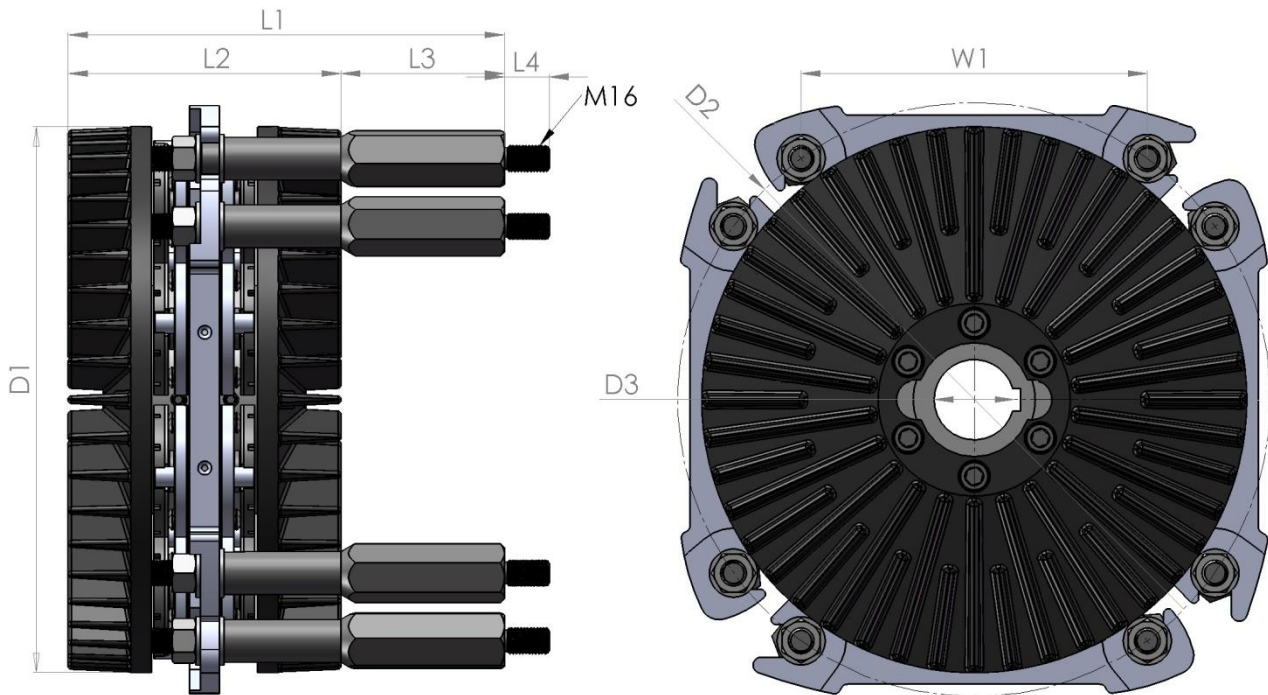
OWB250T



OWB300T

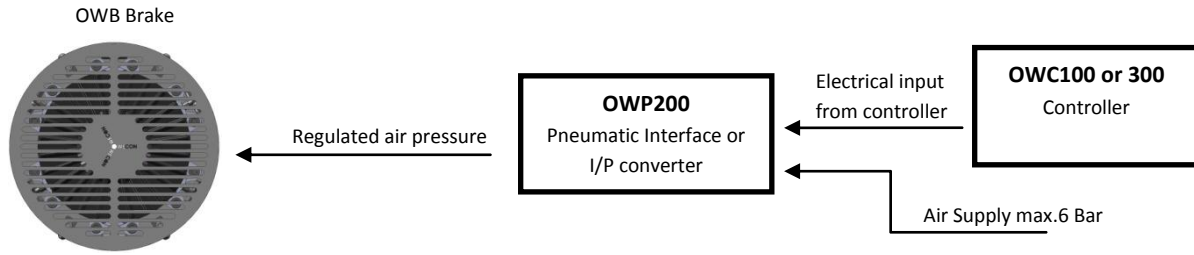


OWB350T



Design, mechanical dimensions:

Dimensions mm.											
Type	D1	D2	D3		L1	L2	L3	L4		W1	
OWB250T	254	284	Max. 45		215	158	57	28		216	
OWB300T	300	334	Max. 50		240	158	82	28		216	
OWB350T	340	370	Max. 70		272	170	102	28		216	



Applications:

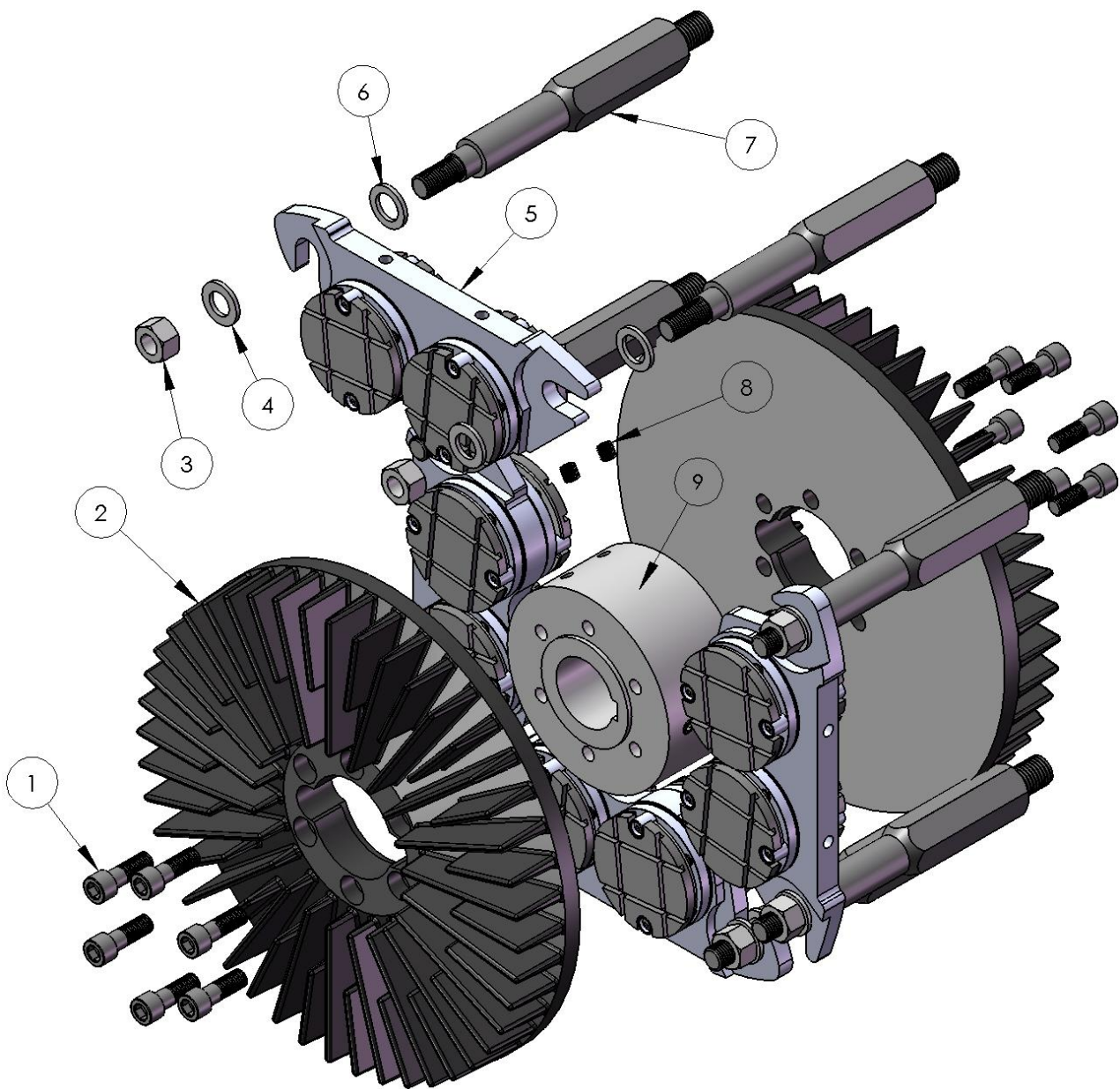
The OWECON OWB brakes are used as the braking force to control web tension in unwind applications. OWECON OWB brakes will easily integrate with OWECON - or third party controllers and peripheral components on all types of web - process and converting machines.

Brake Torque and Heat specifications:		Lining coefficient:											
Brakepads are available with :													
Standard coefficient = 0,45; Low coefficient = 0,2;													
Optional Kevlar long life pads = 0,45													
OWB 250T	Number of friction pads												
Braking torque at 6 Bar in Nm	2	4	6	8									
Standard coefficient 0.45	98	196	294	392									
Low coefficient 0.2	44	88	132	176									
Heat dissipation KW													
At RPM =	0	100	200	300	400	500	1.000	1.500	2.000	2.500	3.000	3.500	
Heat diss. capacity (KW)	1	1,5	2	2,5	3	3,5	5,8	8,0	10,1	12	13,5	14,5	
Max RPM = 4.000	Weight of rotating parts = 17 Kg / Max. total weight of brake assembly = 24 Kg												
OWB 300T	Number of friction pads												
Braking torque at 6 Bar in Nm	2	4	6	8	10	12							
Standard coefficient 0.45	135	272	405	540	675	810							
Low coefficient 0.2	60	120	180	240	300	360							
Heat dissipation KW													
At RPM =	0	100	200	300	400	500	1.000	1.500	2.000	2.500	3.000	3.500	
Heat diss. capacity (KW)	2,2	3	3,8	4,5	5,2	5,9	8,7	11,2	13,6	15,9	18,1	20,2	
Max RPM = 4.000	Weight of rotating parts = 27 Kg / Max. total weight of brake assembly = 38 Kg												
OWB 350T	Number of friction pads												
Braking torque at 6 Bar in Nm	2	4	6	8	10	12	14	16					
Standard coefficient 0.45	160	320	480	640	800	960	1120	1280					
Low coefficient 0.2	72	144	216	288	360	432	504	576					
Heat dissipation KW													
At RPM =	0	100	200	300	400	500	1.000	1.500	2.000	2.500	3.000		
Heat diss. capacity (KW)	2,7	3,7	4,7	5,6	6,5	7,4	11,6	15,5	19,1	22,5	25,4		
Max RPM = 3.000	Weight of rotating parts = 43 kg / Max. weight of brake assembly = 58 Kg												
Heat dissipation													
The values of heat dissipation power has been obtained under the following test conditions:													
<ul style="list-style-type: none"> Discs in continuous rotation with ambient temperature +25° Disc temperature 150 °C 													

Brake assembly

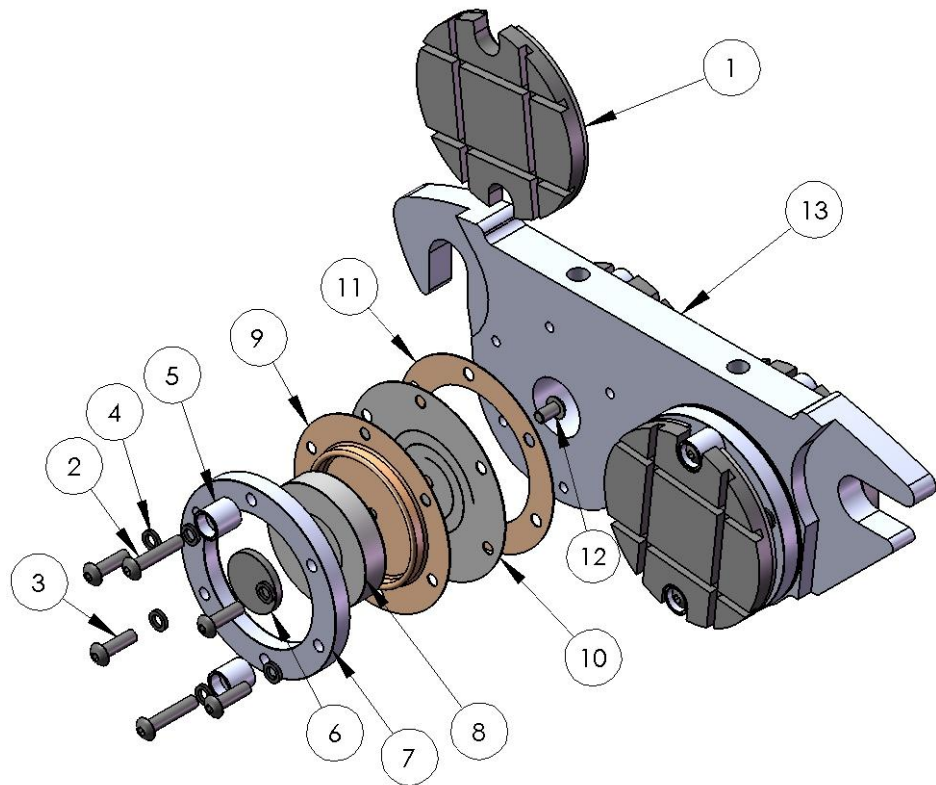
Pos. No	Text	Qty
1	Unbraco bolt M12	12
2	Brake disc	2
3	Nut M16	2*
4	Washer $\varnothing 30 \times \varnothing 17,5 \times 3$	2*
5	Pneumatic friction module	Various
6	Washer $\varnothing 30 \times \varnothing 19,5 \times 3$	1*
7	Spacer bolt M16 and M16	2*
8	Set Screw M10	4
9	Hub	1

* Per friction module



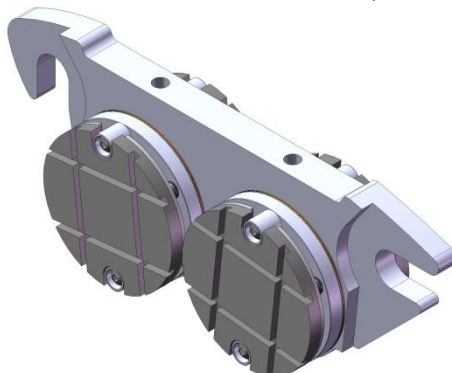
Friction pad assembly

Pos. No	Text	Qty	Total Qty
1	Friction pad	1	4
2	Unbraco screw	2	8
3	Unbraco screw	4	16
4	Washer	6	24
5	Anti rotation ring	2	8
6	Magnet	1	4
7	Piston ring	1	4
8	Piston	1	4
9	Rolling diaphragm	1	4
10	Flat spring	1	4
11	Seal ring	1	4
12	Unbraco screw	1	4
13	Housing	1	1



Various types of friction pads

Friction module w. 4 pads



Friction module w. 2 pads

