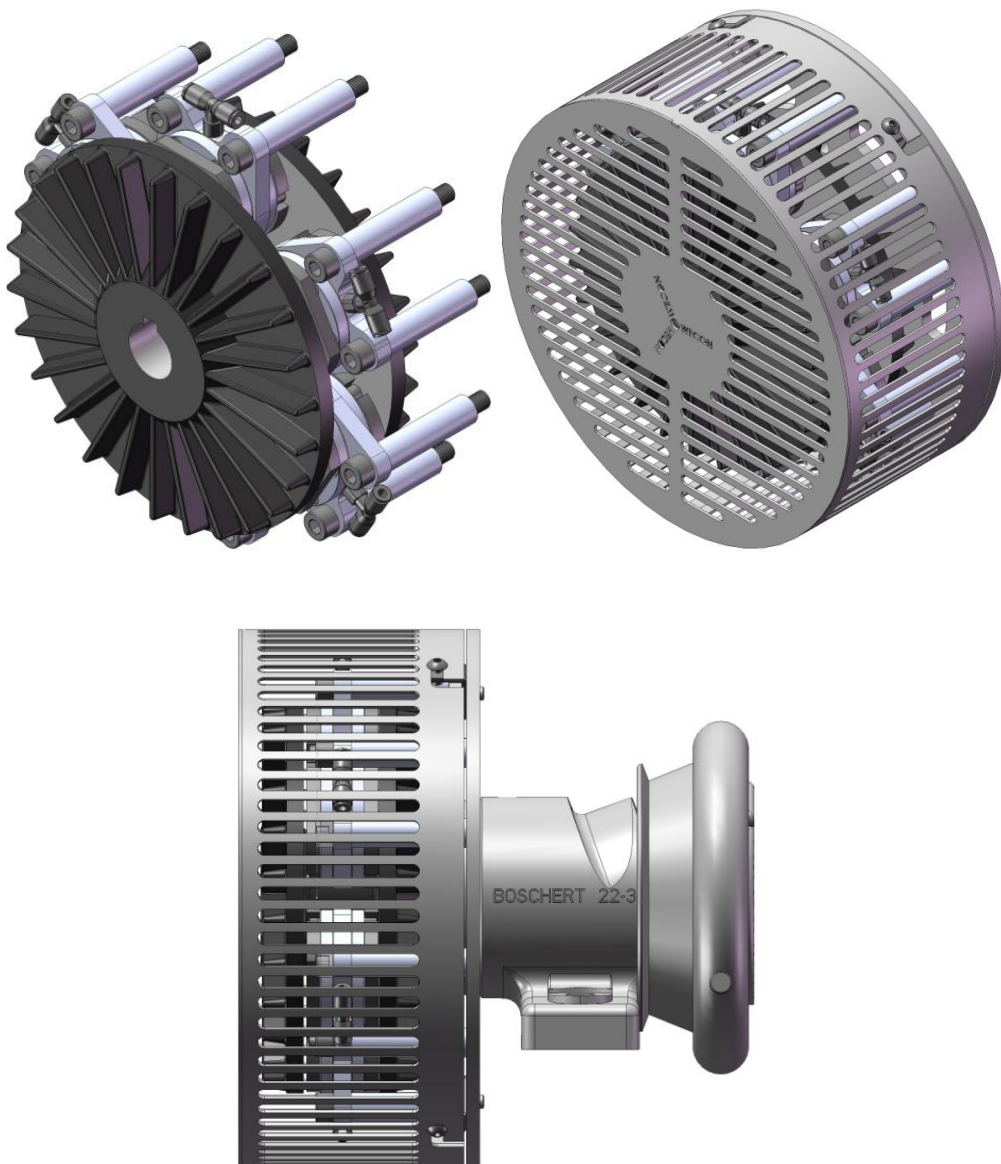


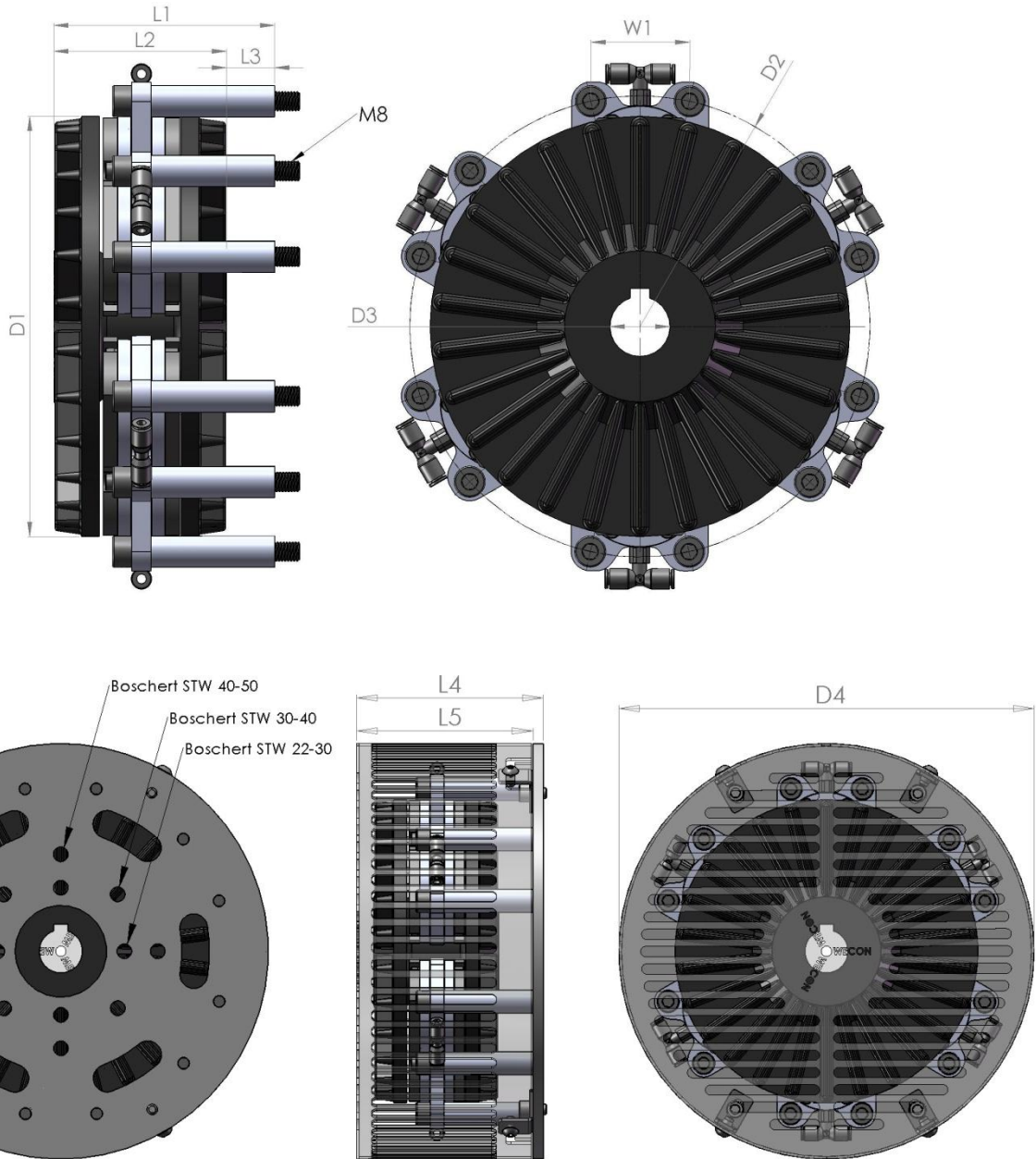
OWECON OWB140-180-240 Series Pneumatic Brake



The **OWECON OWB 140-180-240 Series pneumatically controlled brake** is the new line of small brakes for unwind solution.

FEATURES

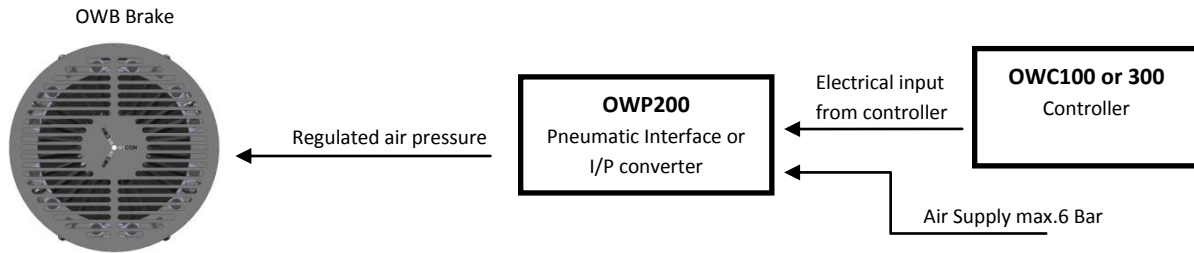
- ✓ High performance, excellent heat dissipation
- ✓ Compact industrial design - small dimensions, large application range
- ✓ Flexible torque configuration, range up to 427 NM
- ✓ Easy to integrate, designed to fit modern machine environment
- ✓ Easy to install and maintain
- ✓ Cost / Performance effective – “as little as possible, as much as necessary”
- ✓ Produced and supported by OWECON – unmatched customer service and quality



Standard spider is prepared for mounting on Boschert safety chuck with special spacer ring

Design, mechanical dimensions:

Dimensions mm.											
Type	D1	D2	D3	D4	L1	L2	L3	L4	L5	W1	
OWB140	143	160	Max. 25	200	76	66	10	92	86	41,2	STW 22-30 STW 30-40
OWB180	175	192	Max. 35	240	92	72	20	108	102	41,2	STW 22-30 STW 30-40
OWB240	238	255	Max. 45	300	108	78	30	124	118	41,2	STW 30-40 STW 40-50



Applications:

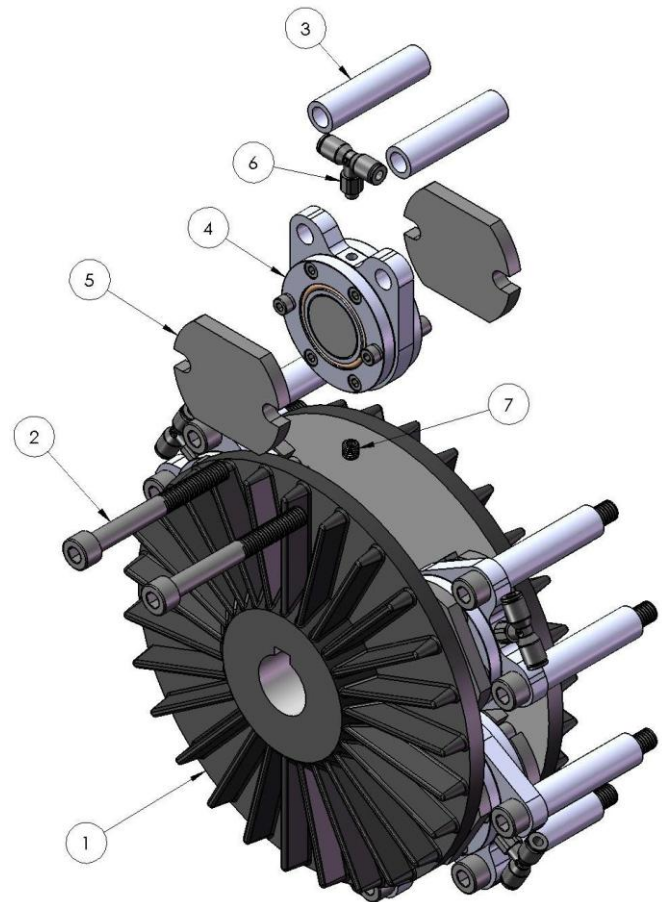
The OWECON OWB brakes are used as the braking force to control web tension in unwind applications. OWECON OWB brakes will easily integrate with OWECON - or third party controllers and peripheral components on all types of web - process and converting machines.

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 140	Modules												
Braking torque at 6 Bar in Nm	1	2	3	4									
Standard coefficient 0.45	19,6	39,2	58,8	78,4									
Low coefficient 0.2	8,5	17,0	25,5	34,0									
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)	0,10	0,20	0,25	0,30	0,35	0,40	0,75	1,00	1,20	1,25	1,3	1,35	
Max RPM = 4.000	Weight of rotating parts = 2,8 Kg / Max. total weight of brake assembly = 4,6 Kg												
OWB 180	Modules												
Braking torque at 6 Bar in Nm	1	2	3	4	5	6							
Standard coefficient 0.45	26,5	53,0	79,5	106,0	132,5	159,0							
Low coefficient 0.2	11,5	23,0	34,5	46,0	57,5	69,0							
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)	0,25	0,30	0,40	0,50	0,60	0,70	1,20	1,50	2,00	2,40	2,80	3,20	
Max RPM = 4.000	Weight of rotating parts = 4,2 Kg / Max. total weight of brake assembly = 6,9 Kg												
OWB 240	Modules												
Braking torque at 6 Bar in Nm	1	2	3	4	5	6	7	8	9	10			
Standard coefficient 0.45	42,7	85,4	128,1	170,8	213,5	256,2	298,9	341,6	384,3	427,0			
Low coefficient 0.2	18,5	37,0	55,5	74,0	92,5	111,0	129,5	148,0	166,5	185,0			
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)	0,50	0,80	1,20	1,40	1,70	1,90	3,00	3,80	4,60	5,30	5,80	6,30	
Max RPM = 4.000	Weight of rotating parts = 8,8 kg / Max. weight of brake assembly = 13,3 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

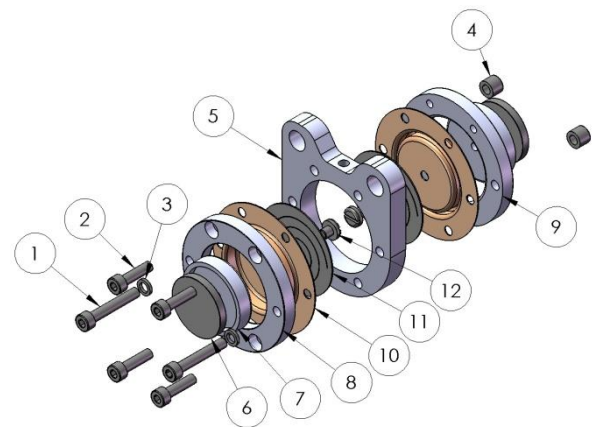
Pos. No	Text	Qty
1	Brake disc	1
2	Mounting bolt	2*
3	Cylindrical spacer	2*
4	Pneumatic friction module	Various
5	Friction pad	2*
6	Pneumatic air connector	1*
7	Set screw	2

* Per friction module



Friction pad assembly

Pos. No	Text	Qty
1	Unbraco M4 x 25	2
2	Unbraco M4 x 15	4
3	Washer $\varnothing 6,7 \times \varnothing 4,3 \times 1,2$	2
4	Ant rotation pin $\varnothing 7$	2
5	Housing	1
6	Magnet	2
7	Piston	2
8	Housing ring head side	1
9	Housing ring thread side	1
10	Rolling diaphragm	2
11	Flat spring	2
12	Slotted screw	2



Various types of friction modules

Mini 4



Mini 1

