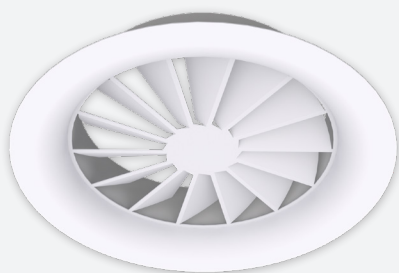


WR230

CIRCULAR SWIRL DIFFUSER WITH
FIXED BLADES AND DIFFUSER RING



VARIANTS

WR230, WR230_S, WR230_T,
WR220, WR220_S, WR220_T

The swirl diffuser type WR230 is equipped with fixed blades. It is designed for surface mounting but can also be mounted directly on exposed ducts. A high induction is obtained through the excellent swirl effect. The diffuser ring guarantees a strong coanda effect over a wide temperature range (also at low flow rates) which makes it optimally suited for VAV applications.

Non-adjustable air pattern with fixed blades

High induction with strong coanda effect through diffuser ring

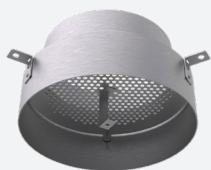
Suitable for exposed duct mounting

Optimally suited for VAV applications

ACCESSORIES



WP210S



WP210T



GR003



ROUND



CEILING



SWIRL



SUPPLY



EXHAUST

TECHNICAL INFORMATION

APPLICATION	Type	Supply or exhaust
	Airflow direction	Horizontal
FRONTPLATE	Standard material	Powder coated sheet steel
	Standard finishing	Powder coating RAL9010
	Product finishing options	Powder coating RAL of choice
	Nominal sizes	Ø100, 125, 160, 200, 250, 315, 400, 500mm
	Mounting options	WR220 without central screw fixing WR230 with central screw fixing
TRANSITION PIECE WP200T/WP210T	Standard material	Brut aluminium
	Mounting options	Equipped with mounting straps
TRANSITION PIECE WITH CLAMPING WP260T/WP270T	Standard material	Brut aluminium
	Mounting options	For assembly in a slatted ceiling system, the ceiling is squeezed between the diffuser and the transition piece Equipped with mounting straps
PLENUM WP200S/WP210S	Standard material	Galvanised (275g/m ²) sheet steel
	Spigot plenum	PP/TPE spigot, Class D spigot with double lip seal
	Insulation (optional)	Melamine 6mm
	Volume control (optional)	Galvanised perforated volume flow controller with manual operation
	Mounting options	Equipped with mounting eyes (Ø 7mm), mounting straps available upon request

QUICK SELECTION

Supply Q _v [m ³ /h]				
ØN [mm]	L _w	WR230	WR230 + WP210T	WR230 + WP210S
100	25 dB(A)	37	-	43
	35 dB(A)	54	-	57
125	25 dB(A)	50	53	59
	35 dB(A)	81	77	80
160	25 dB(A)	88	84	107
	35 dB(A)	134	121	146
200	25 dB(A)	137	128	181
	35 dB(A)	203	184	238
250	25 dB(A)	221	214	271
	35 dB(A)	333	302	366
315	25 dB(A)	477	387	412
	35 dB(A)	663	551	563
400	25 dB(A)	747	589	668
	35 dB(A)	1074	834	855
500	25 dB(A)	1044	-	1027
	35 dB(A)	1539	-	1346

EFFECTIVE AIR DISCHARGE AREA

Supply A _k [m²]	ØN [mm]							
	100	125	160	200	250	315	400	500
	0,0029	0,0046	0,0078	0,0126	0,0203	0,0332	0,0554	0,0893

PRODUCT KEY

CIRCULAR SWIRL DIFFUSER WITH FIXED BLADES AND DIFFUSER RING

W	R	2	3	0	-	F	0	2	5	0
						Nominal size ØN (mm): 100, 125, 160, 200, 250, 315, 400, 500				
						F: Coated				
						2: Without central screw fixing 3: With central screw fixing				

TRANSITION PIECE WITH PERFORATED PLATE FOR AIR DISTRIBUTION

W	P	2	1	0	T	0	2	5	0
						Nominal size ØN (mm): 125, 160, 200, 250, 315, 400			
						0: Without mounting bracket for central screw fixing 1: With mounting bracket for central screw fixing			

PLENUM WITH PERFORATED PLATE FOR AIR DISTRIBUTION FOR SWIRL DIFFUSERS WITH CIRCULAR CONNECTION

W	P	2	1	0	S	-	-	0	0	2	5	0	0	2	0	0
									Nominal size ØN (mm): 100, 125, 160, 200, 250, 315, 400, 500				Spigot ØD (mm): 80, 100, 125, 160, 200, 250, 315, 400			
									0: Without mounting straps 1: With mounting straps							
									- : Without damper D : With damper							
									-: Non insulated plenum G: Insulated plenum							
									S: Side connection							
									0: Without mounting bracket for central screw fixing 1: With mounting bracket for central screw fixing							

CIRCULAR SWIRL DIFFUSER WITH FIXED BLADES AND DIFFUSER RING AND MOUNTED PLENUM

W	R	2	3	0	-	F	S	-	-	0	0	2	5	0	0	2	0	0
											Nominal size ØN (mm): 100, 125, 160, 200, 250, 315, 400, 500				Spigot ØD (mm): 80, 100, 125, 160, 200, 250, 315, 400			
											0: Without mounting straps 1: With mounting straps							
											- : Without damper D : With damper							
											-: Non insulated plenum G: Insulated plenum							
											S: Side connection							
											F: Coated							
											2: Without central screw fixing 3: With central screw fixing							

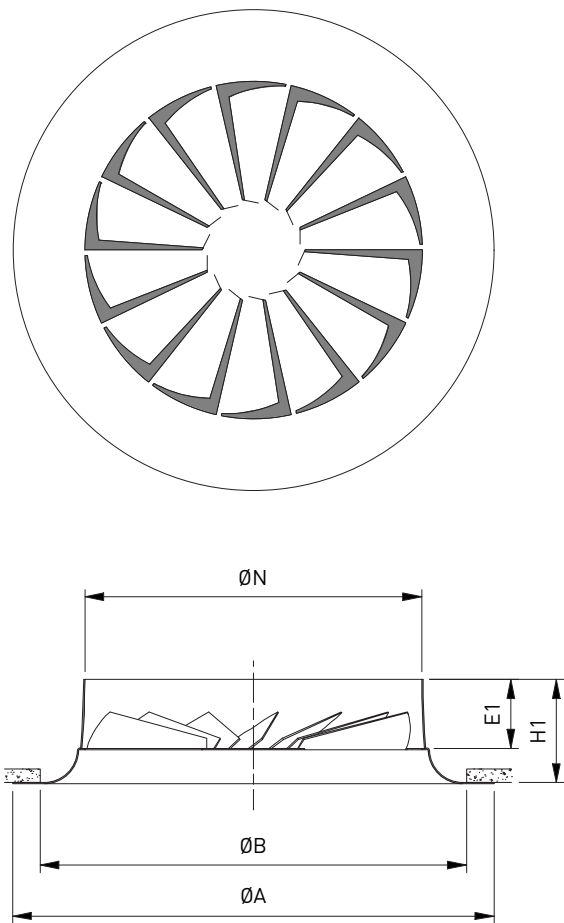
CIRCULAR SWIRL DIFFUSER WITH FIXED BLADES AND DIFFUSER RING WITH REDUCED EXTERNAL DIAMETER

W	R	2	3	0	A	F	0	1	6	0
							Nominal size ØN (mm): 100, 125, 160			
							F: Coated			
							A: Reduced external diameter			
							2: Without central screw fixing 3: With central screw fixing			

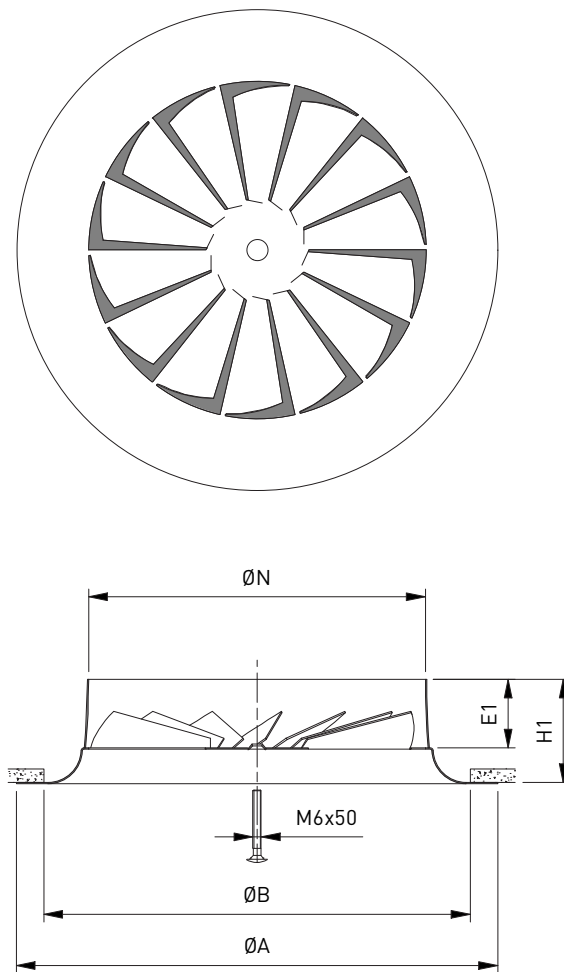
TRANSITION PIECE WITH CLAMPING WITH PERFORATED PLATE FOR AIR DISTRIBUTION

W	P	2	7	0	T	0	1	6	0	0	1	2	5
				Nominal size ØN (mm): 100, 125, 160						Spigot ØD (mm): 80, 100, 125			
				6: Without mounting bracket for central screw fixing 7: With mounting bracket for central screw fixing									

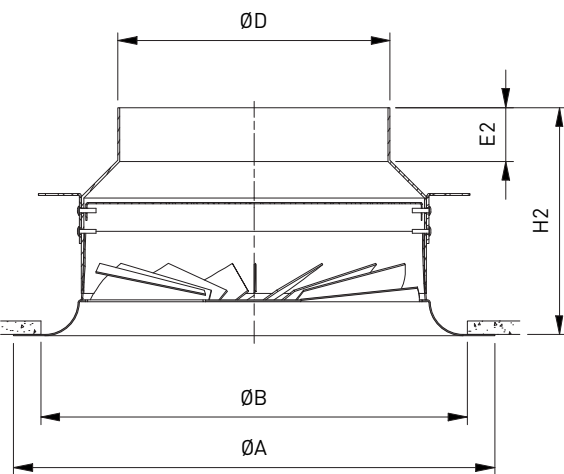
WR220



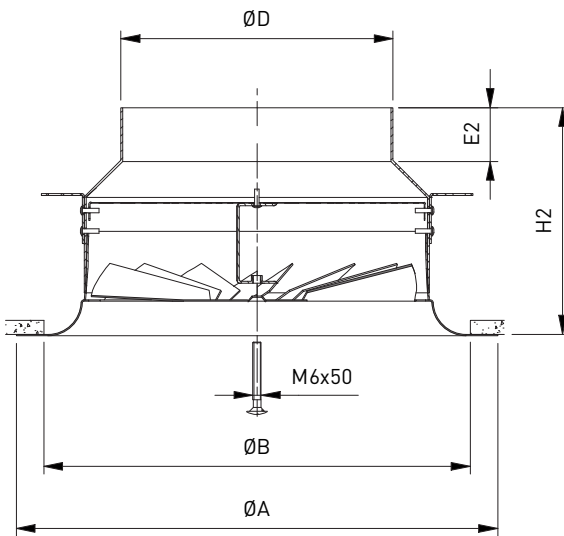
WR230



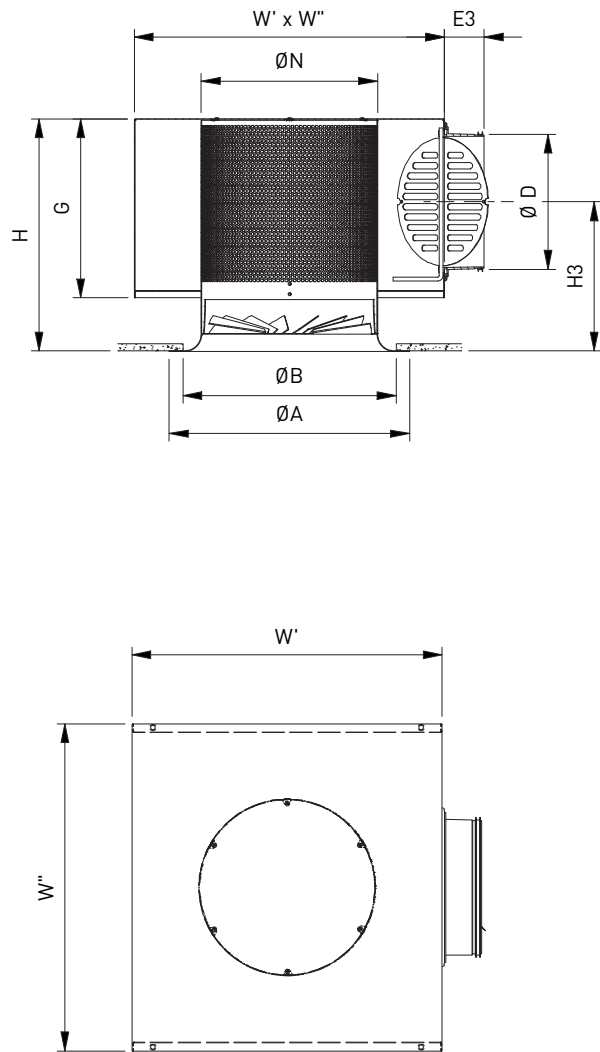
WR220 + WP200T



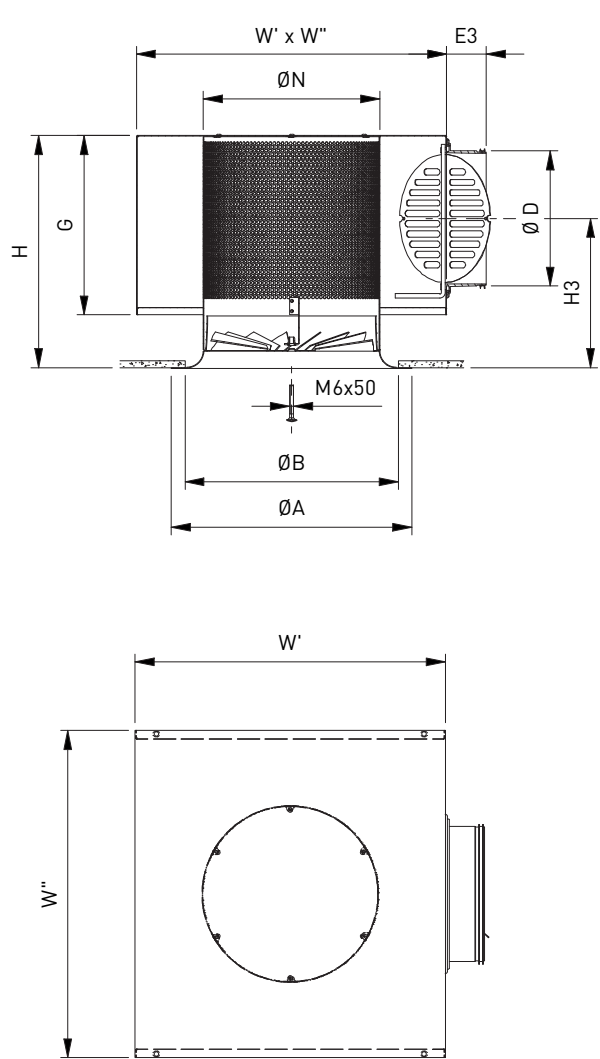
WR230 + WP210T



WR220 + WP200S



WR230 + WP210S

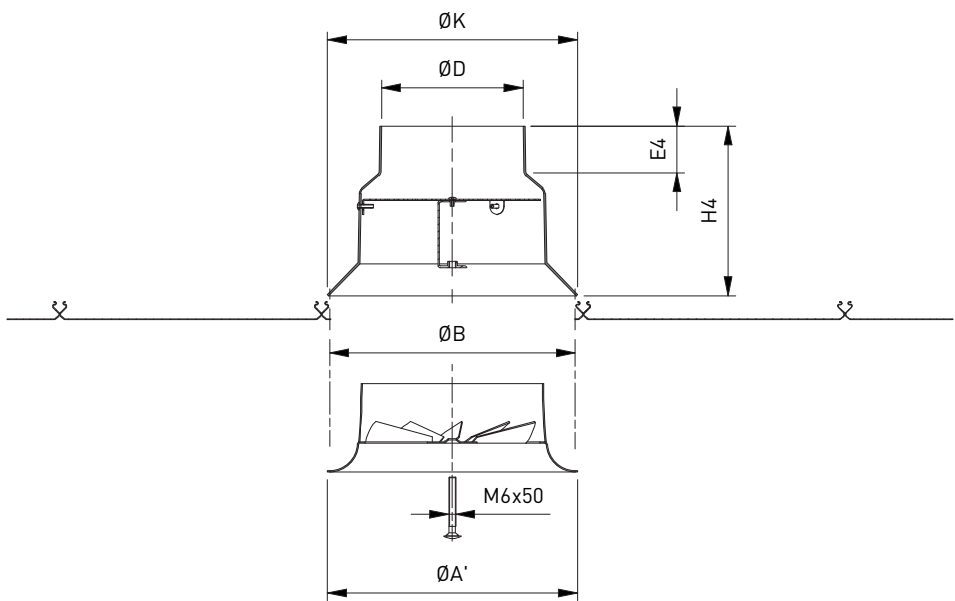


DIMENSIONS

$\varnothing N$	$\varnothing A$	$\varnothing B$	$\varnothing D$	E1	E2	E3	G	H	H1	H2	H3	$W' \times W''$
100	160	129	80	50	-	52	140	205	65	-	155	200 x 226
125	200	174	100	50	39	52	160	235	75	176	175	275 x 301
160	250	209	125	50	39	58	185	261	76	182	179	325 x 351
200	300	251	160	50	39	58	220	296	76	182	196	375 x 401
250	350	302	200	50	39	58	260	333	73	183	213	450 x 476
315	450	392	250	50	39	78	310	395	85	202	248	500 x 526
400	570	530	315	66	40	50	375	496	121	237	327	600 x 626
500	700	615	400	68	-	50	460	570	128	-	359	800 x 826

All dimensions in mm

WR230AF + WP270T

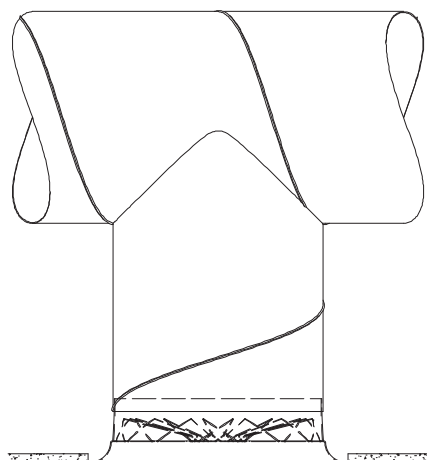


DIMENSIONS

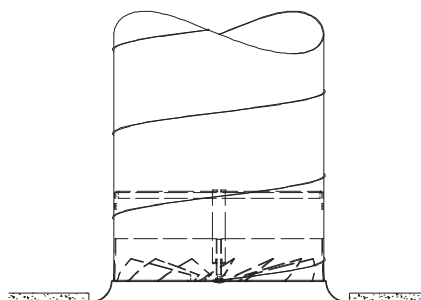
$\varnothing N$	$\varnothing A'$	$\varnothing B$	$\varnothing D$	$E4$	$H4$	K
100	140	131	80	40	140	140
100	140	131	100	40	125	140
125	180	176	100	40	148	185
125	180	176	125	40	148	185
160	215	211	125	40	154	215

All dimensions in mm

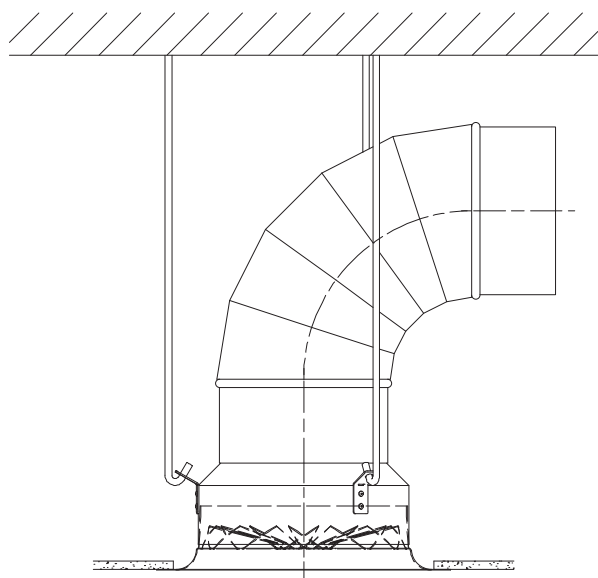
WR220



WR230 + GR003



WR2*0 + WP2*0T



WR2*0 + WP2*0S

