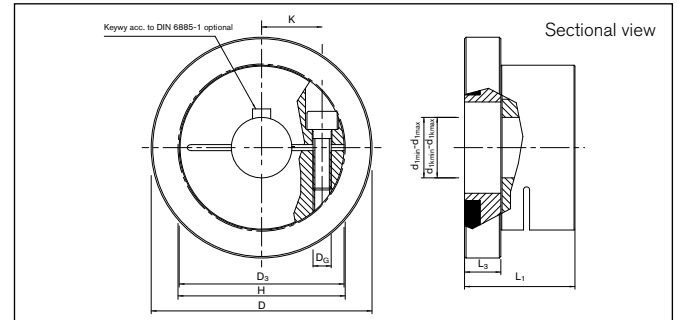
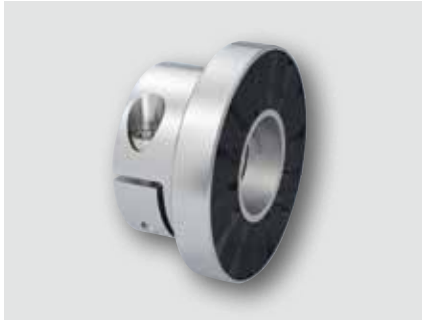


GERWAH® Magnetic Couplings

Magnetic disc coupling

Series GWM 5204.3



Design with clamping hub

Dimensions

d_{1min} = Min. bore diameter
d_{1max} = Max. bore diameter
d_{1kmin} = Min. bore diameter
(with keyway)

d_{1kmax} = Max. bore diameter
(with keyway)
D = Outer diameter
D₃ = Outer diameter of the hub base
H = Clearance diameter

K = Distance shaft axis -
clamping screw axis
L₁ = Overall length without screws
L₃ = Section length of hub
D_G = Thread

Size	d ₁			d _{1k}			D	D ₃	H	K	L ₁	L ₃	D _G
	min.	-	max.	min.	-	max.							
							mm		mm	mm	mm		
27	3	-	8	3	-	6	27	15,5	17,5	5,2	16,25	9,5	M2
44	3	-	14	3	-	10	44	24,8	28	9	19,2	8,5	M3
50	5	-	17	5	-	14	50	32,5	35	11,5	21,5	8,5	M4
60	5	-	24	5	-	21	60	39,7	42	15,5	23,8	10	M4
73	10	-	30	10	-	22	73	54,5	56	20	36,5	12	M6
94	12	-	35	12	-	32	94	64	68	23,5	41	12	M8
107	14	-	42	14	-	35	107	79,5	83	28	45	12	M10
130	22	-	46	22	-	38	130	89,5	93	31	52,5	15	M12

To continue see next page

Magnetic disc coupling

GWM 5204.3
Technical Data
 n_{max} = Max. rotation speed

 G_w = Weight

 $T_{SP}(n)$ = Transmissible torque at (n)* mm gap width and standard medium air

* T_{SP1} : $n = 1$ mm T_{SP5} : $n = 5$ mm
 T_{SP2} : $n = 2$ mm T_{SP6} : $n = 6$ mm
 T_{SP3} : $n = 3$ mm T_{SP7} : $n = 7$ mm
 T_{SP4} : $n = 4$ mm T_{SP8} : $n = 8$ mm

Range of application

- Underwater applications
- Fan drives
- Torque overload protection
- Torque transmission through walls
- Mixed systems

Size	n_{max}	G_w	T_{SP1}	T_{SP2}	T_{SP3}	T_{SP4}	T_{SP5}	T_{SP6}	T_{SP7}	T_{SP8}
	1/min	kg	Nm	Nm	Nm	Nm	Nm	Nm	Nm	Nm
27	38000	0,034	0,65	0,54	0,45	0,37	0,30	0,24	0,18	0,12
44	24000	0,087	0,82	0,64	0,49	0,40	0,35	0,32	0,29	0,26
50	20000	0,120	2,41	1,98	1,42	0,86	0,69	0,53	0,42	0,33
60	17000	0,192	4,22	2,84	1,93	1,45	1,28	0,95	0,68	0,48
73	14000	0,426	6,35	4,38	3,24	2,30	1,74	1,29	0,89	0,61
94	11000	0,710	14,33	11,31	8,19	5,79	4,13	3,01	2,42	1,94
107	9000	1,403	27,57	23,41	19,74	16,52	14,41	10,56	8,93	7,38
130	6000	1,809	46,21	39,74	27,96	21,48	16,64	12,80	9,93	8,24

Ordering example: GWM 5204.3

Series	Size	Bore diameter d_1	Further details*
GWM 5204.3	60	20	*

*e.g. Keyway

Magnetic and hysteresis disc couplings are only sold as individual halves.