

# Magnetic Couplings



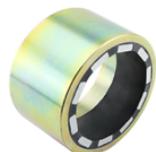
## Product Description

JYY-D magnetic coupling is a permanent magnet synchronous coupling, which can use the magnetic force between internal and external rotors to transfer torque. The precision loss caused by mechanical wear can be effectively controlled and the service life is longer.

The coupling drive spacing is shortened, vibration is smaller and noise is lower, the overall reliability is higher and the system runs more smoothly. The isolation sleeve is installed between the inner and outer rotor, which can completely isolate and seal the torque transmission of the input end and the output end, especially for the transmission of some dangerous, toxic, corrosive and other media, and can effectively prevent serious leakage accidents.

The product has no attached hydraulic and cooling system, no contact between internal and external rotors, greatly reducing the maintenance difficulty, time and costs, so as to reduce the number of downtime and improve production efficiency. In the case of pipeline blockage or pressure rise, the automatic overload protection function of the magnetic coupling can effectively prevent the explosion, pipeline rupture and other dangerous situations caused by overload, and reduce the probability of accidents.

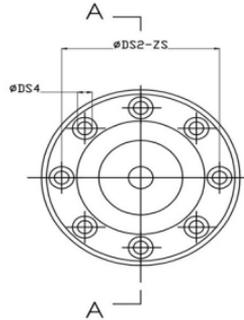
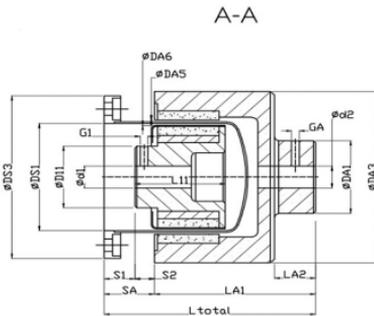
This product can be customized according to customer installation requirements. Accessories can be used on older models to replace conventional sealed couplings to meet production requirements.



## Magnetic Components-DSA



- Non-contact torque transmission
- The active end and the driven end are sealed and isolated
- The outer rotor is connected with the motor shaft or other power output shaft
- The aperture tolerance standard of the finished product is H7 and the key position tolerance is JS9E
- The material of the isolation sleeve shall be stainless steel or other material specified

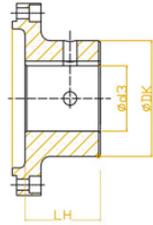
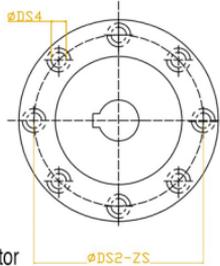
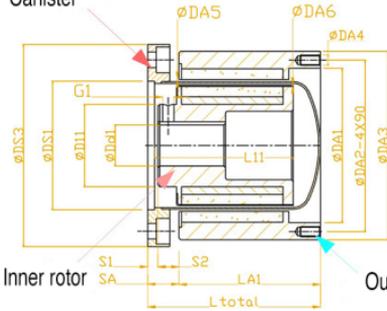


Type	Power (Nm)	Inner rotor						Canister					
		d1		D11	L11	S1		G1	Ds1	Ds2	Ds3	Ds4	Zs
		min	max			min	max						
DSA22/4	0.15	5	9	20	20	2	2	M3	21.5	38	46	4.5	8
DSA34/10	1	5	12	20	22	2	5.5	M3	34	46	55	4.5	4
DSA46/6	3	8	16	28	33	6.5	7	M4	46	—	78	—	—
DSA46/8	7	12	22	35	36	2.2	3.5	M5	59	75	89.5	5.5	8
DSA60/8	14	12	22	35	56	0.0	3.5	M5	59	75	89.5	5.5	8

Type	Power (Nm)	Outer rotor						General part					
		d2		DA1	DA3	LA1	LA2	DS	GA	DS6	DA5	Lmax	
		min	max									min	max
DSA22/4	0.15	5	11	18	38	35	8.5	5	M4	23.5	24.8	42	42
DSA34/10	1	5	14	22	53	38.5	10.5	5.5	M4	36	37.3	46	49.5
DSA46/6	3	5	19	30	69.5	53	16	9	M5	48.5	49.4	68.5	69.5
DSA46/8	7	9	28	50	94.5	66	19	12	M6	61	63.2	80	81.3
DSA60/8	14	9	38	50	94.5	93	15	12	M8	61.5	63.2	105	108

## Magnetic Components-DSB

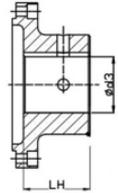
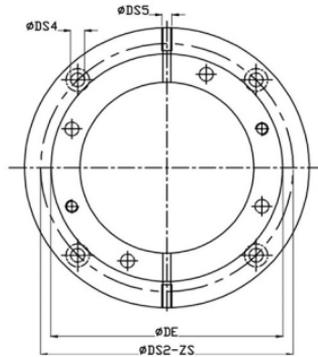
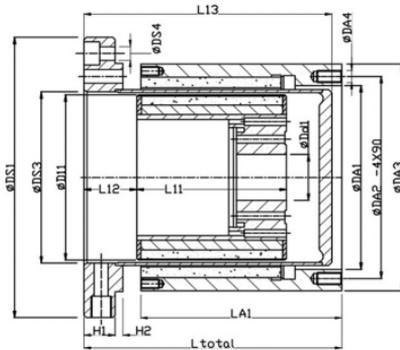
Canister



Type	Power (Nm)	Inner rotor						Canister					Outer rotor				General part					
		d1		D11	L11	S1		G1	Ds1	Ds2	Ds3	Ds4	Zs	DA1	DA2	DA3	DA4	LA1	DS	DS6	DA5	L <sub>max</sub>
		min	max			min	max															
DSB75/10	10				39.5		46.5											41	12.5	74.6	76.2	102
DSB75/20	24	12	28	45	58	4	26.5	M6	75	100	118	9	8	90	100	110	M6	61				
DSB75/30	40				80		6											63.5	14.5			
DSB110/16	25				45		51											41				
DSB110/26	60	14	55	72	65	4	31	M8	110	133	153	9	12	126	135	145	M6	61	19	111.5	112.8	115
DSB110/36	95				85		11											81				
DSB135/20	100				65		46.5											70	18.5			
DSB135/40	145	20	70	90	85	4	26.5	M10	135	158	178	9	16	150	160	170	M6	90		136.5	138.2	139
DSB135/60	200				110		7											110	22			

Type	Power (Nm)	Inner rotor						Canister					Outer rotor				General part					
		d1		D11	L11	S1		G1	Ds1	Ds2	Ds3	Ds4	Zs	DA1	DA2	DA3	DA4	LA1	DS	DS6	DA5	L <sub>max</sub>
		min	max			min	max															
DSB165/24	210				85		66.5											90	18.5			
DSB165/44	285	24	90	110	110	6	41	M12	163.5	192	218	11	12	180	188	198	M6	110	21	167	168.5	170
DSB165/64	370				130		22											130				
DSB200/30	430																					
DSB200/60	550	38	90	130	135	6	18	M16	200	252	278	11	12	212	222	232	M6	130	26	198	199.5	180
DSB250/38	670				115		7											110				
DSB250/68	820	38	90	165	135	—	26	M16	255	285	315	13.5	12	267	277	287	M6	130	26	253	255	183
DSB250/98	1000				155		46											150				

## Magnetic Components-DSM



Optional shaft flange

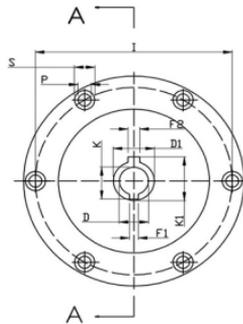
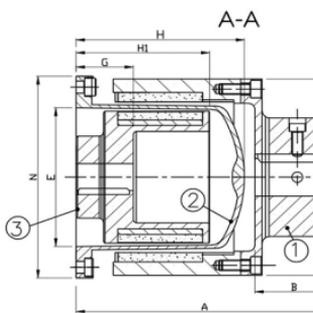
Type	Power (Nm)		Inner rotor					Canister										Outer rotor					
	NdFeB	Sm <sub>2</sub> Co17	Dd1		D11	L11	L12	Ds1	Ds2	Ds3	Ds4	Ds5	L13	Zs	DE	H1	H2	DA1	DA2	DA3	DA4	LA1	L <sub>total</sub>
			min	max																			
DSM1041-30	30	20	12	28	77	45	49	142	128	80	7.0	G1/8	118	4	118	18	5	93	105	117	8-M6	57	118
DSM1041-60	60	40				66	28														87		
DSM1066-30	60	40																					
DSM1066-60	120	80	20	48	108	96	36	183	162	112	9.0	G1/2	159	4	149	20	5	120	130	148	8-M8	129	167.5
DSM1066-90	180	120																					

Type	Power (Nm)		Inner rotor					Canister										Outer rotor					
	NdFeB	Sm <sub>2</sub> Co17	Dd1		D11	L11	L12	Ds1	Ds2	Ds3	Ds4	Ds5	L13	Zs	DE	H1	H2	DA1	DA2	DA3	DA4	LA1	L <sub>total</sub>
			min	max																			
DSM1101-60	300	200																					
DSM1101-90	450	300	42	75	152	126	39	245	215	155	9.0	G1/4	159	8	197	22	6	165	180	196	8-M8	166	208
DSM1101-120	600	400																					
DSM1151-60	630	510																					
DSM1151-90	950	770	65	95	248	156	71	345	320	250	11.0	G1/4	162	8	300	34	8	265	282	298.5	8-M10	203	277
DSM1151-120	1260	1030																					
DSM1151-150	1580	1290																					

## Magnetic Components-DH



■ Peek(non-metallic) materials can reduce or even completely avoid eddy current loss.



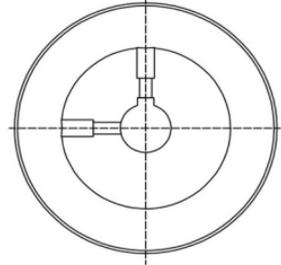
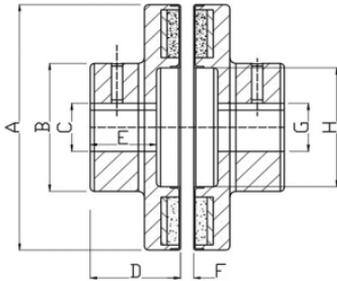
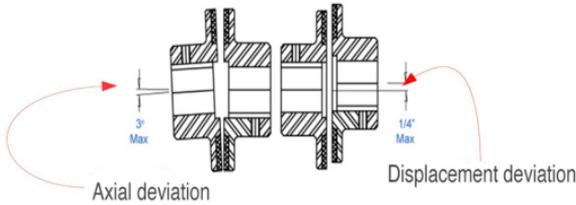
Outer rotor  
Matrix: carbon steel, electroplated

Canister  
Base: PEEK, 1.5MPa

Inner rotor  
Matrix: carbon steel 304 131  
Magnetic material: Sm<sub>2</sub>Co<sub>17</sub>

Type	A	B	C	D	D1	M	H	H1	G	E	N	I	S	P	F1	F2	K	K1	
DH12-20	182	55	146	20	28	58	119	54.5	40.5	103	150	134	14	9	6	8	22.8	31.3	
DH12-40				24	38	68		74.5											
DH12-60				24	38	68		84.5											
DH12-80				24	38	68		94.5											
DH28-50	195	60	168	25	42	100	130	55.5	45.5	122	175	159	14	9	8	8	12	28.3	31.3
DH28-100								80.5											45.3
DH28-150								106											45.3
DH55-95								91											45.3
DH55-190	270	80	186	30	48	100	184	116	75	141	195	172	16	11	8	12	33.3	45.3	
DH55-285								141											51.8
DH55-380								141											51.8
DH55-380								141											51.8

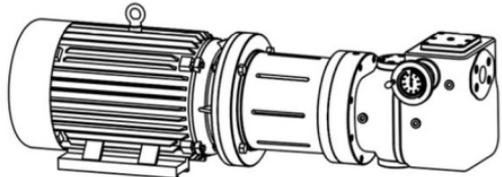
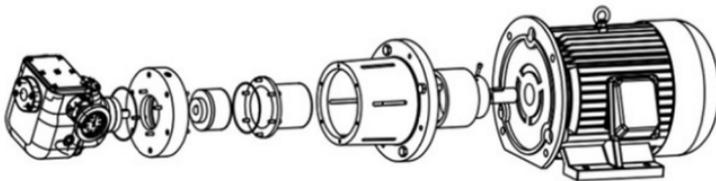
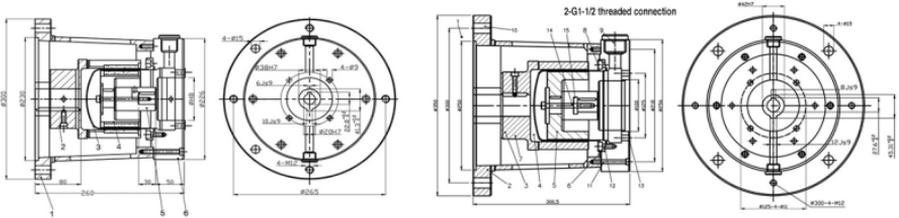
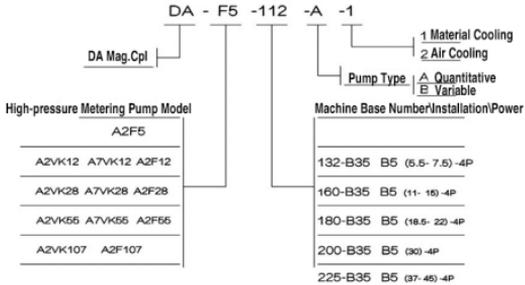
## Magnetic Components-PMB



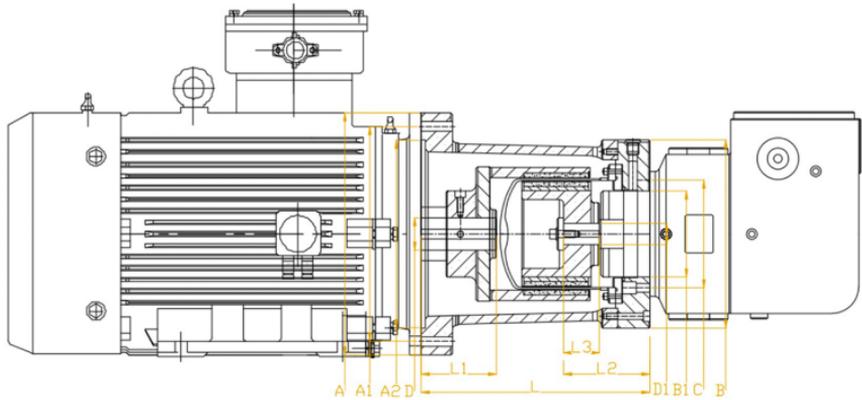
Type	Power (Nm)	A	B	C	D	E	F	G	H	
PMB-30	0.2	30	20	5	20	15	3.5	5	43.5	
PMB-45	0.3	45					4.8		44.8	
PMB-50	0.6	50	30	8			25	20	8	45
PMB-60	1.0	60	35	10					12	55
PMB-75	2.0	75	40		19					
PMB-95	5.0	95	50	14	32	28	6.0	22	70	
PMB-110	10	110	70				24	45	40	24
PMB-120	20	120	80	28	6.5	28				96.5
PMB-130	30	130				28				105.5
PMB-140	40	140	100	38	50	45	42			
PMB-150	50	150								

## DA Magnetic Coupling For A2VK Pump

### Specification and model description



## DA Magnetic Coupling For A2VK Pump



Type	A	A1	A2	D	L	L1	L2	L3	D1	B1	B	C	Weight (Kg)									
DA-F5-112-A	250	215	180	28	215.5	60	81	29.5	20	80	180	100	20									
DA-12-132-A	300	265	230	38	256.5	80	80	31		80	226		25									
DA-12-132-B																						
DA-28-160-A	350	300	250	42	300.5	110	101	38	25	100	256	125	36									
DA-28-160-B																						
DA-55-180-A														48	360	123	49	30	125	295	160	52
DA-55-200-B																						
DA-107-200-A	400	350	300	55	395	160	66	40	160	350	200	63										
DA-107-225-B	450	400	350	60	425													75				

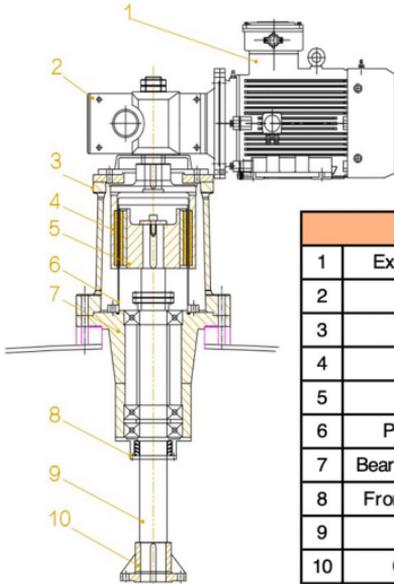


## Magnetic Coupling For Other Pumps



Technical Parameters Of Magnetic Coupling Selection						
No.	Customer Name				Date	
	Tel/Fax				E-mail	
Application Categories	High-pressure Pump		Draught Fan		Reaction Kettle	Transfer Pump
	Centrifugal Pump		Compressor		Vacuum Pump	Else
Technical Parameters	Motor Power		Reducer Model		Speed	Pressure
	Motor Type		Medium Temperature		Dry Run	External Cooling
	Medium Viscosity		Bearing Requirements		Shaft Diameter	Axis Length
Material	Material requirements for INNER ROTOR, CANISTER, etc./Material requirements for components in contact with media.					
Dimension Specification	Interface dimensions of OUTPUT END (motor, reducer, etc.)/Drawing Dimensions for INPUT END (pump, kettle/bracket, etc.)					
E-mail	dhaa@jinyiyang.com/dhaa@163.com					

## DME Magnetic Agitator

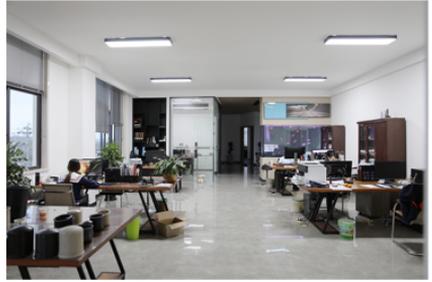


Part Name	Number	Material	Notes
1	Explosion-Proof Motor	1	Combined parts
2	Reducer	1	Welding parts
3	Connecting bell	1	Combined parts
4	Outer rotor	1	Combined parts
5	Inner rotor	1	316L
6	Pressure seal cover	1	316L
7	Bearing pedestal assembly	1	316L
8	Front seal seat of bearing	1	316L
9	Output shaft	1	316L
10	Connecting flange	1	316L



Technical Parameters Of Magnetic Agitator Selection			
Customer Name			Date
Tel/Fax			E-mail
Specifications			
Power	KW		
Design Pressure	MPA		
Design Temperature	°C		
Motor	anti-explosion		
Reducer	cycloidal-pin wheel		
Agitation speed	r/min		
Torque	N·M		
Flange Size Of Mixing End			
Install channel	vessel flange		

## Company Profile



Wenling Jinyiyang Machinery Co., Ltd. is an enterprise specializing in the production and development of permanent magnet couplings. The magnetic transmission products produced by the company is no wear, and have reliable torque transmission, self-cooling and overload protection function. In 2008, the company passed the ISO90001 certification of magnetic coupling production, and obtained a number of related product patents. Up to now, we have become a reliable supplier of power transmission seal manufacturing industry and specialized design manufacturing industry. Magnetic coupling produced by the company is used in refrigerator insulation assembly line, such as **Haier, SIMENS, Meiling, Xinfel, Midea, Rongsheng**, etc. The products can be used in automobile interior decoration production line and automobile seat foam production line. We also supply new energy companies such as nuclear power, lithium battery, wind power and other industries.

The company introduces foreign advanced technology, has a complete set of magnetic transmission testing and advanced processing equipment, and has built a professional team of senior engineering and technical personnel. We adhering the concept of "quality of survival, credibility and development", constantly improve ourselves, update and maintain the cutting-edge technology. We provide you with reliable and high quality service.

## Certificate



## Partner





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