

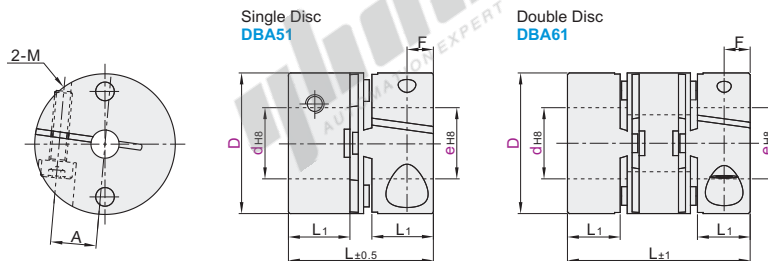
Disc Couplings

Clamping High Torque(Aluminum Alloy)

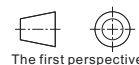
Code	Type	Material	Surface Treatment		Accessories
			Main Body	Disc	
DBA51	Clamping	Single Disc	Aluminum Alloy	Stainless Steel	Hex Socket Head Cap Screw
DBA61		Double Disc	Aluminum Alloy	Stainless Steel	

Features: Transfer torque, torque rigidity and balance performance is very good.

The surface treatment of some products is pearl nickel plating, please consult our staff for details.



When eccentricity, deflection angle and axial displacement are occurred simultaneously, the allowable maximum value of each will be reduced by 1/2.



Part Number		d-e									
Code	D										
Single Disc DBA51	16	d	4	5	6						
		e	4 5 6	5 6	6						
	20	d	4	5	6	6.35	7	8			
		e	4 5 6 6.35 7 8	5 6 6.35 7 8	6 6.35 7 8	6.35 7 8	7 8	8			
Double Disc DBA61	25	d	5	6	6.35	7	8	9.53	10		
		e	5 6 6.35 7 8 9.53 10	6 6.35 7 8 9.53 10	6.35 7 8 9.53 10	7 8 9.53 10	8 9.53 10	9.53 10	10		
	32	d	8	9.53	10	11	12	14			
		e	8 9.53 10 11 12 14	9.53 10 11 12 14	10 11 12 14	11 12 14	12 14	14			
40	d	8	9.53	10	11	12	14	15	16	18	
	e	8 9.53 10 11 12 14 15 16 18	9.53 10 11 12 14 15 16 18	10 11 12 14 15 16 18	11 12 14 15 16 18	12 14 15 16 18	14 15 16 18	15 16 18	16 18	18	
50	d	14	15	16	18	20	22	24			
	e	14 15 16 18 20 22 24	15 16 18 20 22 24	16 18 20 22 24	18 20 22 24	20 22 24	22 24	24			

Part Number		L			L ₁	A	F	M	Tightening Torque (N·m)	Rated Torque (N·m)	Allowable Mounting Deviation			Static Torsional Rigidity (Nm/rad)		Max. Rotational Speed (r/min)	Moment of Inertia (kg·m ²)		Weight (g)			
Code	D	DBA51	DBA61	Angular(°)							Radial(mm)	Axial(mm)	DBA51	DBA61	DBA51		DBA61	DBA51	DBA61	DBA51	DBA61	
Single Disc DBA51	16	17.7	23.8	7	5	3		1	0.6	1	2.5	0.05	0.2	±0.1	±0.3	160	130	9000	2.0×10 ⁻³	2.4×10 ⁻³	7	9
	20	18.4	26	7.5	6.5	3.7	M2.5	0.9	290							220	7600	6.0×10 ⁻³	7.2×10 ⁻³	11	14	
	25	21.6	30.2	9	8.5	4	1.7	2.2	550							440	6000	1.8×10 ⁻²	2.2×10 ⁻²	22	27	
Double Disc DBA61	32	29	41	12.4	10	6	M3		3.8	1	2.5	0.1	0.3	±0.2	±0.4	1200	960	4800	5.2×10 ⁻³	6.0×10 ⁻³	50	60
	40	35	47	15.5	13.1	7.8	M4	2.5	6.8							2200	1900	4000	1.3×10 ⁻¹	1.7×10 ⁻¹	85	104
	50	40.5	57	18	16.7	9	M5	7	11							2600	2250	3500	3.6×10 ⁻¹	4.6×10 ⁻¹	170	210

Inertia moment and weight values are for cases of maximum shaft diameter.

The coupling locking screw will protrude the position of the edge diameter. please refer to the actual product.

Part Number		L		L ₁	A	F	M	Tightening Torque (N·m)	Rated Torque (N·m)	Optional Processing		
Code	D	DBA51	DBA61							Code	D	Optional Processing Code
DBA51	20	d	4	7	6.5	3.7	M2.5	1	0.6	DBA51	50	DC DD
		e	4 5 6 6.35 7 8									
DBA61	32	d	8	12.4	10	6	M3	3.8	2.5	DBA61	50	DC DD
		e	8 9.53 10 11 12 14 15 16 18									

DBA51—D20—d4—e7

DBA51—D50—d14—e24—DC—DD



Optional Processing

Alterations	Keyway Machining(d Side)		Keyway Machining(e Side)	
Code	DC		DD	
Spec.				
	Ordering Code DC		Ordering Code DD	

Keyway machining can be selected only when the hole diameter is ≥ 6.



Please order as shown



Discount price
Per 1~4 5~
Price 100% Additional quotation



Delivery
14