

Set Screw

High Torque(Aluminum Alloy)

Disc Couplings

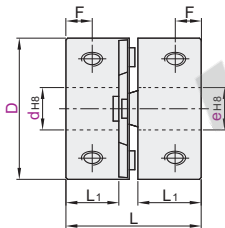
Code	Type	Material	Surface Treatment		Accessories
			Main Body	Disc	
DBA01	Set Screw	Single Disc	Aluminum Alloy	Stainless Steel	Anodize
DBA11	Double Disc	Double Disc	Aluminum Alloy	Stainless Steel	Hex Socket Set Screw

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

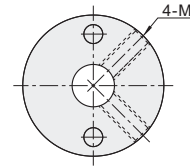
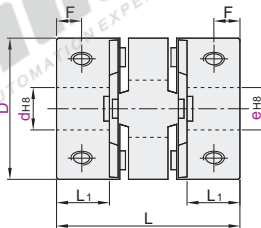
The surface treatment of some products is pearl nickel plating, please consult our staff for details.



Single Disc
DBA01



Double Disc
DBA11



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

The first perspective

Part Number		d-e															
Code	D																
Single Disc DBA01	16	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									
	20	d	4	5	6	6.35	7	8	10								
		e	4 5 6 6.35 7 8 10	5 6 6.35 7 8 10	6 6.35 7 8 10	6.35 7 8 10	7 8 10	8 10	10								
	25	d	5	6	6.35	7	8	9.53	10	11	12						
		e	5 6 6.35 7 8 9.53 10 11 12	6 6.35 7 8 9.53 10 11 12	6.35 7 8 9.53 10 11 12	7 8 9.53 10 11 12	8 9.53 10 11 12	9.53 10 11 12	10 11 12	11 12	12						
	32	d	6	6.35	7	8	9.53	10	11	12	14	15	16				
		e	6 6.35 7 8 9.53 10 11 12 14 15 16	6.35 7 8 9.53 10 11 12 14 15 16	7 8 9.53 10 11 12 14 15 16	8 9.53 10 11 12 14 15 16	9.53 10 11 12 14 15 16	10 11 12 14 15 16	11 12 14 15 16	12 14 15 16	14 15 16	15 16	16				
	40	d	8	9.53	10	11	12	14	15	16	18	20					
		e	8 9.53 10 11 12 14 15 16 18 20	9.53 10 11 12 14 15 16 18 20	10 11 12 14 15 16 18 20	11 12 14 15 16 18 20	12 14 15 16 18 20	14 15 16 18 20	15 16 18 20	16 18 20	18 20	20					
	50	d	14	15	16	18	20	22	24	25							
		e	14 15 16 18 20 22 24 25	15 16 18 20 22 24 25	16 18 20 22 24 25	18 20 22 24 25	20 22 24 25	22 24 25	24 25	25							
Double Disc DBA11	32	d	6	6.35	7	8	9.53	10	11	12	14	15	16				
		e	6 6.35 7 8 9.53 10 11 12 14 15 16	6.35 7 8 9.53 10 11 12 14 15 16	7 8 9.53 10 11 12 14 15 16	8 9.53 10 11 12 14 15 16	9.53 10 11 12 14 15 16	10 11 12 14 15 16	11 12 14 15 16	12 14 15 16	14 15 16	15 16	16				
40	d	8	9.53	10	11	12	14	15	16	18	20						
	e	8 9.53 10 11 12 14 15 16 18 20	9.53 10 11 12 14 15 16 18 20	10 11 12 14 15 16 18 20	11 12 14 15 16 18 20	12 14 15 16 18 20	14 15 16 18 20	15 16 18 20	16 18 20	18 20	20						
50	d	14	15	16	18	20	22	24	25								
	e	14 15 16 18 20 22 24 25	15 16 18 20 22 24 25	16 18 20 22 24 25	18 20 22 24 25	20 22 24 25	22 24 25	24 25	25								

Part Number	L		L1	F		M	Tightening Torque (N·m)	Rated Torque (N·m)	Allowable Mounting Deviation			Static Torsional Rigidity (N·m/rad)		Max. Rotational Speed (r/min)	Moment of Inertia (kg·m ²)		Weight (g)	
Code	D	DBA01	DBA11	DBA01	DBA11				Angular(°)	Radial(mm)	Axial(mm)	DBA01	DBA11		DBA01	DBA11	DBA01	DBA11
Single Disc DBA01	16	17.7	23.8	7	3	3	M3	0.6				160	130	23000	2.0×10 ⁻⁷	2.4×10 ⁻⁷	7	9
	20	18.4	26	7.5	4	3.7		1				290	220	22000	6.0×10 ⁻⁷	7.2×10 ⁻⁷	11	14
	25	21.6	30.2	9	4	4	M4	1.7				550	440	19000	1.8×10 ⁻⁶	2.2×10 ⁻⁶	22	27
Double Disc DBA11	32	29	41	12.4	6	6		3.8	1	2.5		1200	960	15000	5.2×10 ⁻⁶	6.0×10 ⁻⁶	50	60
	40	35	47	15.5	7.8	7.8	M5	4				2200	1900	10000	1.3×10 ⁻⁵	1.7×10 ⁻⁵	85	104
	50	40.5	57	18	9	9	M6	7				2600	2250	8000	3.6×10 ⁻⁵	4.6×10 ⁻⁵	170	210

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

Optional Processing



Please order as shown

Part Number		d-e															
Code	D																
DBA01	16	d	4	5	6	6.35	7	8									
DBA11	16	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									

DBA01—D16—d4—e7

Part Number		d-e															
Code	D																
DBA01	50	d	14	15	16	18	20	22	24	25							
DBA11	50	e	14 15 16 18 20 22 24 25	15 16 18 20 22 24 25	16 18 20 22 24 25	18 20 22 24 25	20 22 24 25	22 24 25	24 25	25							

DBA01—D50—d14—e24—DC—DD



Optional Processing

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

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



Discount price

Per	1~4	5~
Price	100%	Additional quotation



Delivery
14