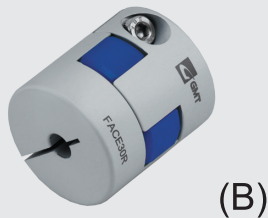


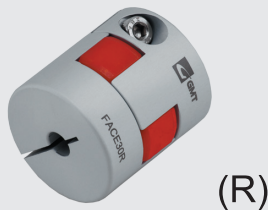
FACE



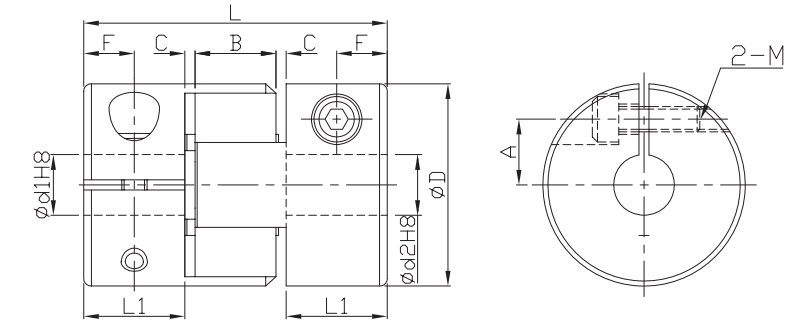
(B)



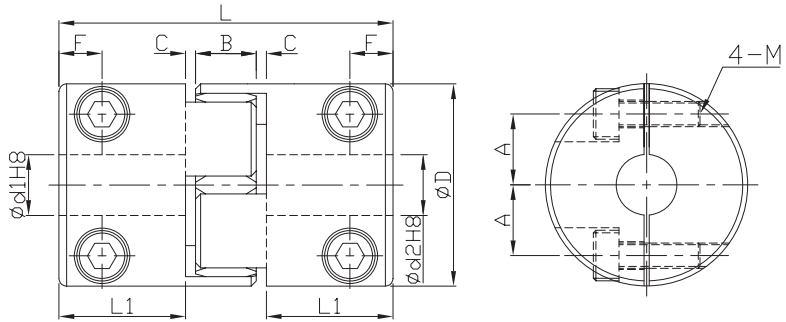
(W)



(R)



FACE ØD=14.20.30



FACE ØD=40

- Operating temperature : -20°C~60°C
- Offset of angular, parallel, or axial deviation are individual allowed value, so couple reasons of axial offset appearing at same time would reduce the unit allowable value.

Component	Material	Surface finish	Accessories
Main frame	Aluminum Alloy	Anodized	Clamping screw
Spider	Urethane(PU)	—	

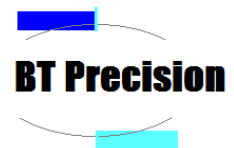
★ Dimension "C", must be previously reserved while assembly by users, otherwise it would affect allowed deflection, accelerating shaft and coupling damage.

Dimensions		Spider (color selection)	Ød1&Ød2 selection *Ød1 ≤ Ød2													Clamping screw							
Model no.	ØD		3	4	5	6	6.35	7	8	9.525	10	11	12	14	15	16	L	L1	B	C	F	A	M
FACE	14	B (Blue)	●	●	●											22	7	6	1	3.5	4	2	0.5
	20	W (White)			●	●	●	●	●							30	10	8		5	6.5	2.5	1
	30							●	●	●	●	●				35	11	10	1.5	5.5	10	4	2.5
	40	R (Red)									●	●	●	●	●	66	25	12	2	8.5	14	5	4

★ Moment of inertial torque and weight calculated by maximum diameter.

Specification		Allowable wrench torque (N·m)			Allowable misalignment			Static torsional stiffness (N·m/rad)			Max. RPM (r/min ⁻¹)	★ Moment of inertia (kg·m ²)	★ Weight (g)					
Model no.	ØD				Angular (°)	Parallel (mm)								Axial (mm)				
		B	W	R		B	W	R	B	W	R							
FACE	14	0.7	1.2	2	1.0	0.10	0.15	0.10	+0.6 0	8	14	22	11000	1.6*10 ⁻⁷	6			
	20	1.8	3	5						0.20	0.15	+0.8 0	16	29	55	7600	1.1*10 ⁻⁶	19
	30	4	7.5	12.5						0.20	0.15	+1.0 0	46	73	130	5100	6.2*10 ⁻⁶	50
	40	4.9	10	17						0.15	0.10	+1.2 0	380	570	1200	3800	3.9*10 ⁻⁵	160

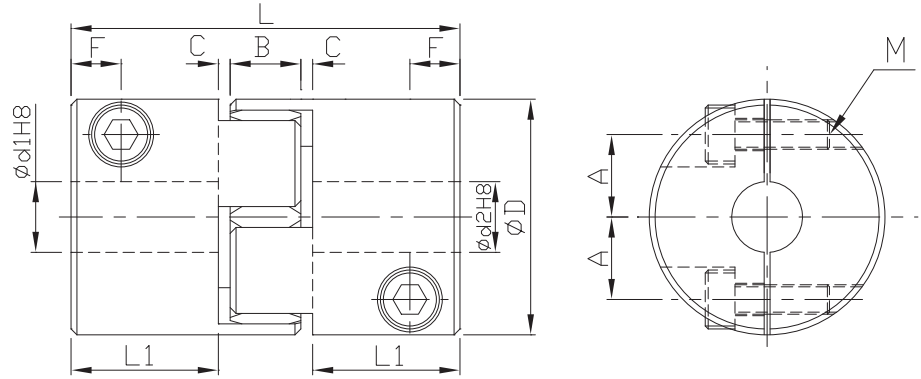
Ordering Example: FACE14 - 10 - 12 - 100 PCS
Model no. - Ød1 - Ød2 - Q'ty



FACE



- Operating temperature : -20°C~90°C
- Offset of angular, parallel, or axial deviation are individual allowed value, so couple reasons of axial offset appearing at same time would reduce the unit allowable value.
- Key way available on request per indicated as LK(Ød1 bore), RK(Ød2 bore), WK(Ød1.Ød2 bore)



FACE D=55.65.80

Component	Material	Surface finished	Accessories
Main frame	AL6061T651	Anodized	Clamping
Spider	Urethane(PU)	—	

Key way Ød1 . Ød2	W		H		Key way dimension W□
	Dimension	Alloable tolerance	Dimension	Alloable tolerance	
6~7	2	±0.015	1.0	±0.1	2*2
8~10	3		1.4		3*3
11~12	4		1.8		4*4
13~16	5	±0.02	2.3		5*5
18~22	6		2.8		6*6
24~30	8	±0.025	3.3		8*8
32~42	10			10*10	

Size		Spider Elastic strength (Color)	Ød1&Ød2 options * Ød1 ≤ Ød2						L	L1	B	C	F	A	Clamping screw		
Model	ØD		16	20	24	32	35	40							42	M	Lock Torque (N.m)
FACE	55	92sh A(W) 98sh A(R)	●	●	●					78	30	14	2	10.5	20	M6	10.5
	65		●	●	●	●	●			90	35	15	2.5	11.5	25	M8	25
	80		●	●	●	●	●	●	●	114	45	18	3	15.5	25	M8	30

★ Moment of inertial torque and weight calculated by maximum diameter.

Specifications		Allowable Torque (N.m)		Allowable Angle Mis-alignment	Allowable Parallel Mis-alignment (mm)		Allowable Axile Mis-alignment (mm)	Static torsional stiffness (N.m/rad)		Max. RPM (r/min ⁻¹)	Moment of inertia (kg.m ²)	Weight (g)	
Model	ØD	R	W		R	W		R	W				
FACE	55	60	35	0.9°	0.1	0.1	1.2	2600	1600	8650	1.6*10 ⁻⁴	330	
	65	160	95					4900	3000				7350
	80	325	190					6500	5300				

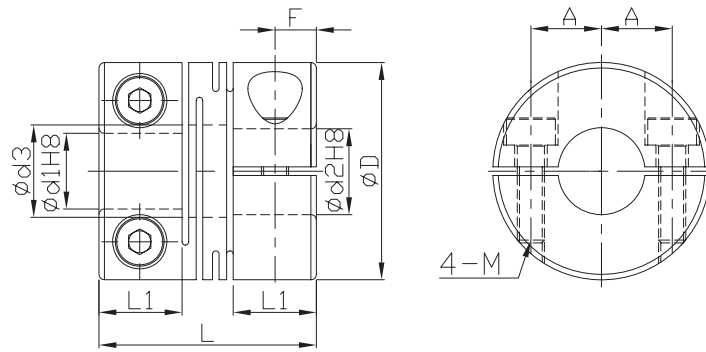
Ordering Example: FACE65 - 24 - 55 - 100 PCS
Model no. - Ød1 - Ød2 - Q'ty

BT Precision

FACMS



- Zero backlash.
- The flexure allowed by the beam portion of the coupling is capable of accommodating angular, and axial misalignment.
- No accommodating to parallel misalignment.
- High wrench torque rigidity and sensitivity.
- Rotation character of clockwise or anti-clockwise are exactly the same.
- Free maintenance, oil-resist and anti-corrosiveness.
- FACMS can't allow axial deviation caused by offset
- Offset of angular, parallel, or axial deviation are individual allowed value, so couple reasons of axial offset appearing at same time would reduce the unit allowable value.



* $\text{Ød3} = \text{Ød2} + 0.5$

Material	Surface finish	Accessories
Aluminum Alloy	Anodized	Clamping screw

Dimensions		Ød1	Ød2							L	L1	M Rough thread	A	F	
Model no.	ØD		4	5	6	7	8	10	12						14
FACMS	12	4	•	•							14	5.2	2	4	2.6
		5		•											
	16	5		•	•						18	6.8	2.5	5	3.4
		6			•										
	20	5			•	•	•				20	7.65	2.5	6.5	3.8
		6			•	•	•								
		8					•								
	25	5			•						25	9.6	3	9	4.8
		6			•		•	•							
		8					•	•	•						
	32	8					•	•			32	12.6	4	11	6.3
		10						•	•	•					
12								•	•						

★Moment of inertial torque and weight calculated by maximum diameter.

Specification		Allowable wrench torque (N·m)	Allowable misalignment		Static torsional stiffness (N·m/rad)	Max. RPM (r/min ⁻¹)	★ Moment of inertia (kg·m ²)	Screw fixing torque (N·m)	★ Weight (g)	
Model no.	ØD		Angular (°)	Axial (mm)						
FACMS	12	0.4	1	±0.1	80	12000	6.4*10 ⁻⁸	0.5	3	
	16	0.5		±0.2	180	9500	2.9*10 ⁻⁷	1	8	
	20	1			200	7600	7.5*10 ⁻⁷		13	
	25	2			780	6100	2.3*10 ⁻⁶		1.5	25
	32	4			1100	4800	8.1*10 ⁻⁶		2.5	53

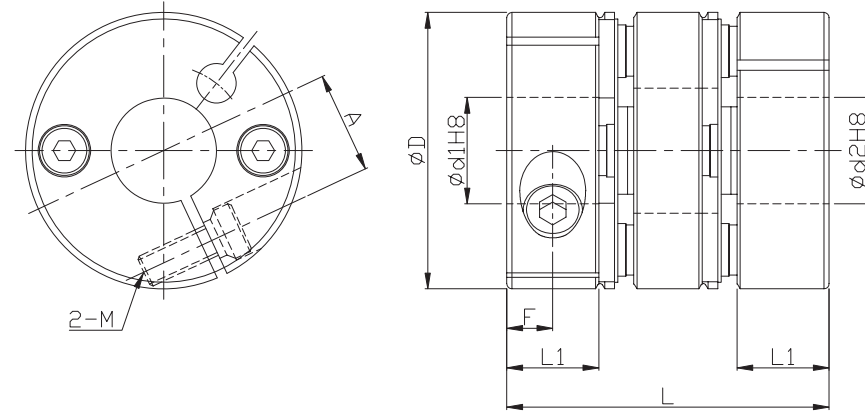
Ordering Example: FAMS25 - 8 - 10 - 100 PCS
Model no. - Ød1 - *Ød2 - Qty

BT Precision

FACCL



- High wrench torque load, high wrench torque rigidity capacity and excellent sensibility.
- Zero backlash.
- The flexure allowed by the stainless steel disk portion of the coupling is capable of accommodating angular, parallel, and axial misalignment.
- Clockwise character is exactly the same as anti-clockwise one.
- Free maintenance, oil-resist and anti-corrosiveness.
- Teethless screw to lock disks.
- Offset of angular, parallel, or axial deviation are individual allowed value, so couple reasons of axial offset appearing at same time would reduce the unit allowable value.



Component	Material	Surface finish	Accessories
Main frame	Aluminum Alloy	Anodized	Clamping screw
Disk	SUS303	—	

Dimensions		Ød1&Ød2 selection *Ød1 ≤ Ød2															L	L1	A	F	Clamping screw		
Model no.	ØD	4	5	6	8	9	10	11	12	14	15	17	19	20	22	24	25					M	Lock torque (N·m)
FACCL	21	●	●	●	●	●												24.5	7	7	3.5	M2.5	1.2
	28		●	●	●	●												32	9	9.5	4	M3	1.5
	34			●	●	●	●	●	●									35	9.8	12	5	M3	1.5
	46				●	●	●	●	●	●	●	●	●					44	12.6	16.5	6	M4	3.5
	55									●	●	●	●	●	●	●	●	55	16	20.5	7	M5	6

★Moment of inertial torque and weight calculated by maximum diameter.

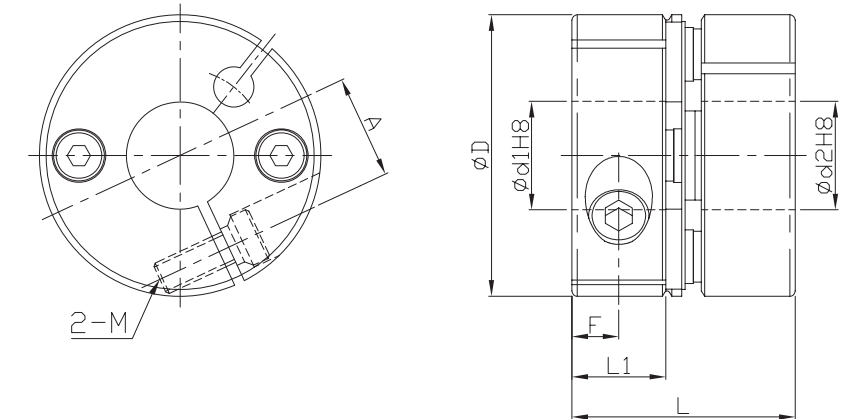
Specification		Allowable wrench torque (N·m)	Allowable misalignment			Static torsional stiffness (N·m/rad)	Max. RPM (r/min ⁻¹)	★ Moment of inertia (kg·m ²)	★ Weight (g)
Model no.	ØD		Angular (°)	Parallel (mm)	Axial (mm)				
FACCL	21	1.2	1.0	0.10	±0.20	1000	10000	1.11*10 ⁻⁶	17
	28	1.6	1.2	0.15		1300		4.68*10 ⁻⁶	42
	34	4	1.5	0.20	2800	1.10*10 ⁻⁵		65	
	46	10		6200	4.70*10 ⁻⁵	151			
	55	25		12000	1.19*10 ⁻⁴	260			

Ordering Example: FACCL46 - 10 - 12 - 100 PCS
Model no. Ød1 Ød2 Q'ty

FACCS



- High wrench torque load, high wrench torque rigidity capacity and excellent sensibility.
- Zero backlash.
- The flexure allowed by the stainless steel disk portion of the coupling is capable of accommodating angular, and axial misalignment.
- No accommodating to parallel misalignment.
- Clockwise character is exactly the same as anti-clockwise one.
- Free maintenance, oil-resist and anti-corrosiveness.
- Teethless screw to lock disks.
- Offset of angular, parallel, or axial deviation are individual allowed value, so couple reasons of axial offset appearing at same time would reduce the unit allowable value.



Component	Material	Surface finish	Accessories
Main frame	Aluminum Alloy	Anodized	Clamping screw
Disk	SUS303	—	

Dimensions		Ød1&Ød2 selection *Ød1 ≤ Ød2															L	L1	A	F	Clamping screw		
Model no.	ØD	4	5	6	8	9	10	11	12	14	15	17	19	20	22	24	25					M	Lock torque (N·m)
FACCS	21	●	●	●	●	●												16.7	7	7	3.5	M2.5	1.2
	28		●	●	●	●	●											21	9	9.5	4	M3	1.5
	34			●	●	●	●	●	●	●								23.3	9.8	12	5	M3	1.5
	46				●	●	●	●	●	●	●	●	●					29.8	12.6	16.5	6	M4	3.5
	55									●	●	●	●	●	●	●	●	37.2	16	20.5	7	M5	6

★Moment of inertial torque and weight calculated by maximum diameter.

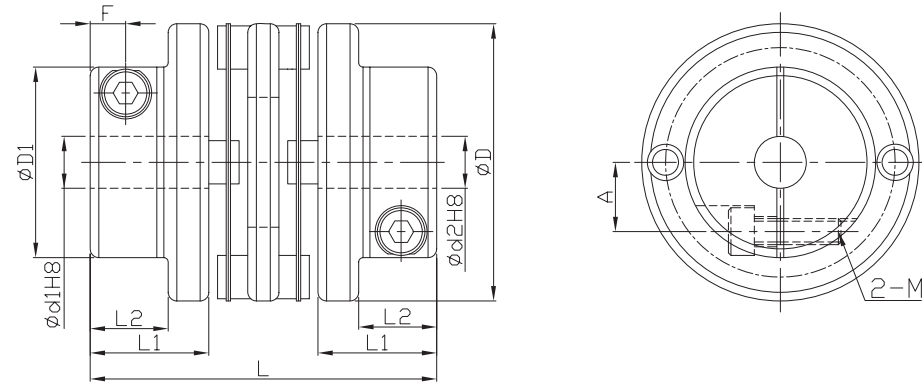
Specification		Allowable wrench torque (N·m)	Allowable misalignment		Static torsional stiffness (N·m/rad)	Max. RPM (r/min ⁻¹)	★ Moment of inertia (kg·m ²)	★ Weight (g)
Model no.	ØD		Angular (°)	Axial (mm)				
FACCS	21	1.2	1.0	±0.10	1500	10000	7.90*10 ⁻⁷	12
	28	1.6	1.2		1800		3.24*10 ⁻⁶	30
	34	4	1.5	±0.15	3600		7.60*10 ⁻⁶	45
	46	10			10000		3.23*10 ⁻⁵	105
	55	25			20000		8.19*10 ⁻⁵	180

Ordering Example: FACCS34 - 10 - 14 - 100 PCS
Model no. Ød1 Ød2 Q'ty

FACTL



- High wrench torque load, high wrench torque rigidity capacity and excellent sensibility.
- Zero backlash.
- Dual stainless steel rings to correct radial, angular and axial deviation.
- Clockwise character is exactly the same as anti-clockwise one.
- Free maintenance, oil-resist and anti-corrosiveness.
- Offset of angular, parallel, or axial deviation are individual allowed value, so couple reasons of axial offset appearing at same time would reduce the unit allowable value.



Component	Material	Surface finish	Accessories
Main frame	Aluminum Alloy	Anodized	Clamping screw
Disk	SUS301	—	

Dimensions		ØD1	Ød1&Ød2 selection *Ød1 ≤ Ød2													L	L1	L2	A	F	Clamping screw		
Model no.	ØD		6	7	8	10	11	12	14	15	16	18	19	20	25						M	Lock torque (N·m)	
FACTL	32	22	•	•	•	•											40	13.7	9	8	4	3	1.5
	40	28		•	•	•	•										46	16.5	12	10.5	6	4	2.5
	50	39					•	•	•	•	•	•	•				52	19.4	15	14.8	7	5	7
	63	45								•	•	•	•	•	•		58	22.3	18	17	8	6	12

★Moment of inertial torque and weight calculated by maximum diameter.

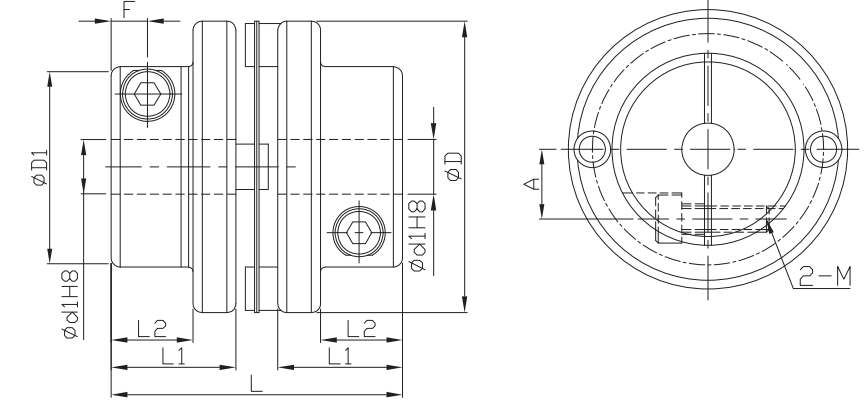
Specification		Allowable wrench torque (N·m)	Allowable misalignment			Static torsional stiffness (N·m/rad)	Max. RPM (r/min ⁻¹)	★ Moment of inertia (kg·m ²)	★ Weight (g)
Model no.	ØD		Angular (°)	Parallel (mm)	Axial (mm)				
FACTL	32	2	2	0.15	±0.4	1000	4800	6.2*10 ⁻⁶	48
	40	4			±0.5				
	50	7.5		0.2	±0.6	2000	3100	4.6*10 ⁻⁵	150
	63	10			0.3				

Ordering Example: FACTL40 - 12 - 14 - 100 PCS
Model no. - Ød1 - Ød2 - Q'ty

FACTS



- Hard torque load, high torque rigidity and excellent sensibility.
- Zero backlash.
- Miniature coupling has short length.
- Dual stainless steel disk to correct angular and axial deviation.
- No correction for radial deviation.
- Clockwise character is exactly the same as anti-clockwise one.
- Free maintenance, oil-resist and anti-corrosiveness.
- FACTS can't allow axial deviation caused by offset.
- Offset, deflection, shaft deviation are individual allowed value.



Component	Material	Surface finish	Accessories
Main frame	Aluminum Alloy	Anodized	Clamping screw
Disk	SUS301	—	

Dimensions		ØD1	Ød1&Ød2 selection *Ød1 ≤ Ød2													L	L1	L2	A	F	Clamping screw		
Model no.	ØD		6	7	8	10	11	12	14	15	16	18	19	20	25						M	Lock torque (N·m)	
FACTS	32	22	•	•	•	•											32	13.7	9	8	4	3	1.5
	40	28		•	•	•	•										38	16.5	12	10.5	6	4	2.5
	50	39						•	•	•	•	•	•	•			44	19.4	15	14.8	7	5	7
	63	45								•	•	•	•	•	•		50	22.3	18	17	8	6	12

★Moment of inertial torque and weight calculated by maximum diameter.

Specification		Allowable wrench torque (N·m)	Allowable misalignment		Static torsional stiffness (N·m/rad)	Max. RPM (r/min ⁻¹)	★ Moment of inertia (kg·m ²)	★ Weight (g)
Model no.	ØD		Angular (°)	Axial (mm)				
FACTS	32	2	1	±0.2	1300	4800	4.5*10 ⁻⁶	38
	40	4						
	50	7.5						
	63	10						

Ordering Example: FACTS32 - 10 - 12 - 100 PCS
Model no. - Ød1 - Ød2 - Q'ty