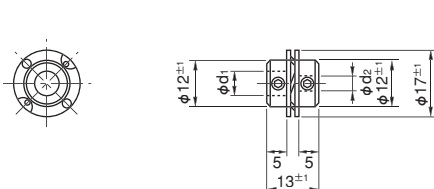


OPTIONAL PARTS

Couplings and Slipping Clutches, which are usually supplied as integral parts of our Motor-Potentiometers, can be supplied independently and separately.

Coupling: Model C17 (Mass: Approx. 4g)

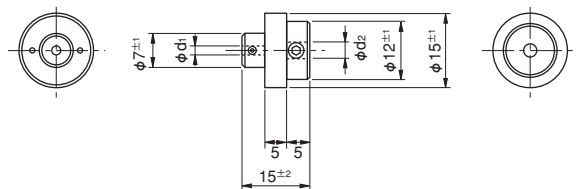


Allowable eccentricity: Within 0.15
 Allowable angle of deflection: Within 5°
 Allowable axial play: ±0.2
 Allowable torque: 0.9N · m (9 kgf · cm)

Model No.	$d_1 + \frac{0.02}{0}$	$d_2 + \frac{0.02}{0}$
C1763	φ 6	φ 3
C1764	φ 6	φ 4
C1765	φ 6	φ 5
C1766	φ 6	φ 6

Slipping Clutch (Universal coupling): Model USC15 (Mass: Approx. 4g)

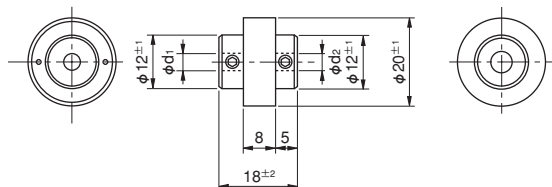
(Standard Slipping Torque: Approx. 20mN · m [200gf · cm])



Model No.	$d_1 + \frac{0.02}{0}$	$d_2 + \frac{0.02}{0}$
USC1523	φ 2	φ 3
USC1524	φ 2	φ 4
USC1525	φ 2	φ 5
USC1526	φ 2	φ 6
USC1533	φ 3	φ 3
USC1534	φ 3	φ 4
USC1536	φ 3	φ 6

Slipping Clutch (Universal coupling): Model USC20 (Mass: Approx. 8g)

(Standard Slipping Torque: Approx. 50mN · m [500gf · cm])



Model No.	$d_1 + \frac{0.02}{0}$	$d_2 + \frac{0.02}{0}$
USC2045	φ 4	φ 5
USC2046	φ 4	φ 6
USC2066	φ 6	φ 6

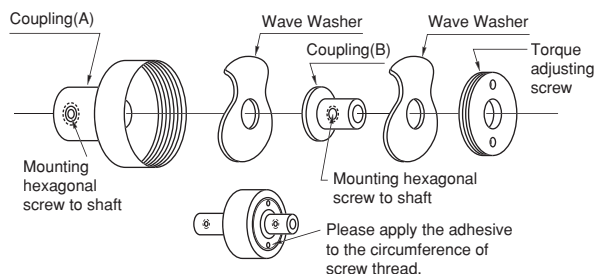
How to Adjust the Torque of Our Slipping Clutches Model USC Series

(Adjustable range: Approx. 15mN · m [100gf · cm]~Approx. 100mN · m [1000gf · cm])

1) We are supplying our slipping clutch model USC series under temporarily assembled condition of standard slipping torque and therefore, we would kindly request you to adjust the slipping torque to meet your application according to the following procedure.

2) How to Adjust

- Turn the torque adjusting screw to the right in order to fasten the wave washers strongly.
- Then, turn the torque adjusting screw to the left slowly in order to get necessary slipping torque.
- When you can get necessary torque, you must fix the screw with an adhesive as per the sketch right-hand:

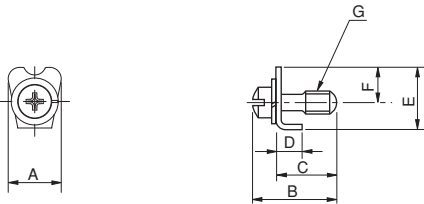


3) Adjustable Range

Model No.	Range
USC15	15~60mN · m (150~600gf · cm)
USC20	25~100mN · m (250~1,000gf · cm)

OPTIONAL PARTS

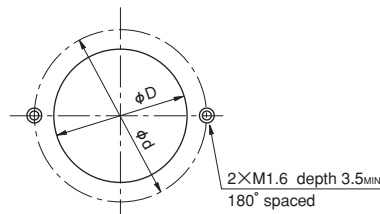
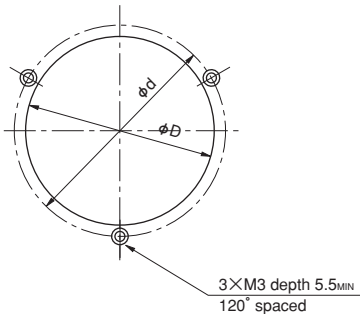
Servomount Fixing Nail with a Screw



Panel Arrangements for Servomount

● For use with SFN-1 or SFN-2

● For use with SFN-3



Model No.	SFN-1	SFN-2	SFN-3
A	7.0	7.0	4.0
B	10.0	10.0	6.5
C	7.5	7.5	5.0
D	3.5	2.5	2.2
E	8.0	8.0	4.8
F	4.5	4.5	3.3
G	M3 P=0.5	M3 P=0.5	M1.6 P=0.35
Mass	Approx.1g	Approx.1g	Approx.0.5g

Model No.	Examples of Fixable Potentiometers
SFN-1	CP45,CP50,46HDS, SCB50,FCP40A, FCP50A,FSCB50A
SFN-2	20HPS,20HHPS,22HHPS, 25HPS,CP22,CP30, FCP22A,FCPS22AC, FCP30A,FSCB22A,KSM22FS, FSCB30A,LNB22
SFN-3	12HPS,12HHPS,FCP12A

Note: SFN-1 as well as SFN-2 should be placed once every 120°. SFN-3 should be placed once every 180°.

Dimensions of Panel Arrangements when using SFN-1

Models	Size	D +0.05 0	d ± 0.2
46HDS-n		47.63	57.5
CP45		33.32	47.5
CP50		47.63	57.5
FCP40A		33.32	43.0
FCP50A		47.63	57.5
SCB50		47.63	57.5
FSCB50A		47.63	57.5
OF46HDS-n		60.00	68.0
OFCP50		47.63	75.0

Dimensions of Panel Arrangements when using SFN-2

Models	Size	D +0.05 0	d ± 0.2
20HPS-10S		19.05	29.5
25HPS-10		24.61	36.0
20HHPS-10S		19.05	29.5
22HHPS-10		19.05	29.5
CP22		19.05	29.5
CP30		24.61	34.5
FCP22A		19.05	29.5
FCPS22AC		19.05	29.5
FCP30A		24.61	34.5
FSCB22A		19.05	29.5
FSCB30A		24.61	34.5
LNB22		19.05	29.5
KSM22FS		19.05	29.5
HSCB22		19.05	29.5

Dimensions of Panel Arrangements when using SFN-3

Models	Size	D +0.05 0	d ± 0.2
12HPS-10		9.53	17
12HHPS-10		9.53	17
FCP12A		11.11	17

Note: D : Outer diameter of flange pilot.
d : Position of tapping for servomount fixing nails.