

MISUMI C-VALUE Oldham Couplings

Clamping / Set Screw

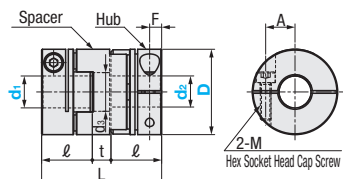
Similar products page P.1115

Features: The price is lowered with the product quality and performance kept equivalent to that of the existing products. CPOC or CPO can be replaced with this type of product.

Clamping

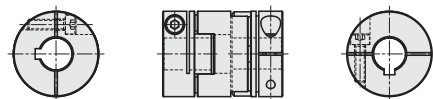


Clamping
GCOC (Standard Bore)



- Recommended Tolerance of Shaft Diameter: h7
- Operating Temperature: -20°C ~ 80°C
- Each of the lateral, angular, and axial misalignments values shown above is the allowable value which is applicable only when lateral, angular or axial misalignment is generated individually. Therefore, when multiple misalignments are occurring simultaneously, the allowable maximum value of each will be reduced to 1/2.
- For the selection criteria, see P.1093.
- Tolerances for d1 and d2 are values before slit machining.

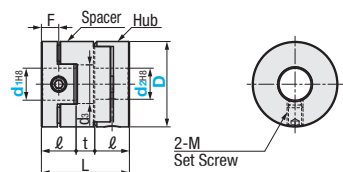
GCOCCLK (Keywayed Bore d1)
GCOCCLK (Keywayed Bore d2)
GCOCCLK (Keywayed Bore d1, d2)



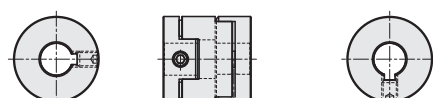
Set Screw



Set Screw
GCO (Standard Bore)



GCOLK (Keywayed Bore d1)
GCORK (Keywayed Bore d2)
GCOWK (Keywayed Bore d1, d2)



Standard Bore	Keywayed Bore			Material		S		A Included Screw		
	d1 (One Side)	d2 (One Side)	d1, d2 (Both Sides)	Hub	Spacer	Clamp Screw	Hub	Type	M Material	S Surface Treatment
GCOC	GCOCCLK	GCOCCLK	GCOCCLK	Aluminum	Polyacetal	SCM435	Clear Anodize	Hex Socket Head Cap Screw	SCM435	Black Oxide
GCO	GCOLK	GCORK	GCOWK	Aluminum Alloy				Set Screw		

Part Number	Type	D	d1, d2 Selection (d1≤d2)										Clamp Screw, Set Screw						
			Keywayed Bore Type is selectable for diameter 6 or larger										M	Tightening Torque(N·m)					
Clamping GCOC GCOCCLK GCOCCLK GCOCCLK GCOCCLK	16		5	6		7	29	12.5	4	3	5	M2.5	1						
	20		6	6.35	8		9	33	14	5	3			6.5					
	25		6.35	8	10		11	39	16.5	6	3.8			9	M3	1.5			
	32		8	10	11	12	14	14.5	45	19	7			4.5	11	M4	2.5		
Set Screw GCO GCOLK GCORK GCOWK	16	3	4	5	6	6.35		7	18	7	4	3.5	M3	0.7					
	20		4	5	6	6.35	8		9	23	9	5			4.5	M4	1.7		
	25		5	6	6.35	8	10		11	28	11	6			5.5			M5	4
	32		8	10	12	14		14.5	33	13	7	6.5			M6				

Keyway Dimension

Shaft Bore Dia. d1, d2	b		t		Key Nominal Dim. bxt
	Reference Dia.	Tolerance	Reference Dia.	Tolerance	
6, 6.35	2	±0.0125	1.0		2x2
8, 10	3		1.4	+0.1	3x3
11, 12	4		1.8	0	4x4
14	5	±0.0150	2.3		5x5

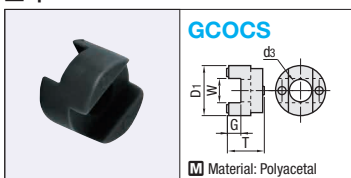
Characteristic Values

Part Number	Allowable Torque (N·m)	Angular Misalignment (°)	Lateral Misalignment (mm)	Max. Rotational Speed (rpm)	Moment of Inertia (kg·m ²)	Mass (g)
Clamping GCOC GCOCCLK GCOCCLK GCOCCLK GCOCCLK	16	0.7	3	10000	4.4x10 ⁻⁷	11
	20	1.2			1.2x10 ⁻⁶	20
	25	2			3.3x10 ⁻⁶	37
	32	4.5			1.4x10 ⁻⁶	70
Set Screw GCO GCOLK GCORK GCOWK	16	0.7	3	10000	2.2x10 ⁻⁷	6
	20	1.2			6.9x10 ⁻⁷	13
	25	2			2.1x10 ⁻⁶	23
	32	4.5			6.5x10 ⁻⁶	45

Ordering Example: Part Number GCOC20 - Shaft Bore Dia. d1 6 - Shaft Bore Dia. d2 6

D	GCOC	GCOCCLK	GCOCCLK	GCOCCLK	GCOCCLK	GCOCCLK
16						
20						
25						
32						

Spacer



GCOCSS
Material: Polyacetal

Part Number	Type	No.	D1	T	ds	W	G	Unit Price
GCOCSS	16		15.6	12	7	8	4.5	
	20		19.6	15	9	10	5.5	
	25		24.6	18	11	12	6.7	
	32		31.6	21	14.5	15.3	7.5	

Ordering Example: Part Number GCOCSS20