


Rigid Couplings

Set Screw, Clamping

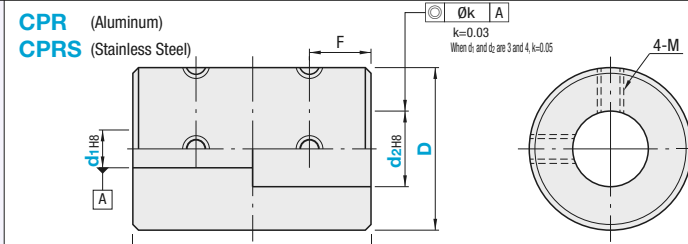
The rigid type cannot tolerate any lateral and angular misalignments. Adequate centering is required before use.

Set Screw



RoHS

CPR (Aluminum)
CPRS (Stainless Steel)



$k=0.03$
When d_1 and d_2 are 3 and 4, $k=0.05$

Type	Material	Surface Treatment	Accessory
CPR	Aluminum Alloy	Clear Anodize	Set Screw
CPRS	Stainless Steel	-	

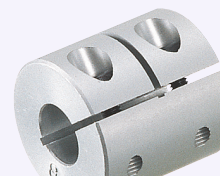
For the selection criteria and alignment procedures, see **P.1061**

Part Number	Type	D	d ₁ , d ₂ Selection (d ₁ ≤ d ₂)				L	M (Coarse)	F	Unit Price	
			3	4	5	6				CPR	CPRS
CPR (Aluminum)	16	3	4	5	6	24	M3	6			
	20	5	6	8	10	30	M3	7			
CPRS (Stainless Steel)	25	8	10	11	12	36	M4	9			
	32	12	14	15	16	41	M4	10			
CPR (Aluminum)	40	15	16	18	20	44	M5	10.5			

Part Number	Allowable Torque (N·m)	Max. Rotational Speed (r/min)	Moment of Inertia (kg·m ²)	Screw Tightening Torque (N·m)	Mass (g)
CPR (Aluminum)	16	0.3	24000	4.4x10 ⁻⁷	11
	20	0.5	19000	1.3x10 ⁻⁶	20
	25	1	15000	3.9x10 ⁻⁶	39
	32	2	12000	1.2x10 ⁻⁵	71
CPRS (Stainless Steel)	40	4	4000	1.5x10 ⁻⁵	120
	16	0.3	24000	1.2x10 ⁻⁶	28
	20	0.5	19000	3.5x10 ⁻⁶	54
	25	1	15000	1.0x10 ⁻⁵	100
32	2	12000	3.1x10 ⁻⁵	190	

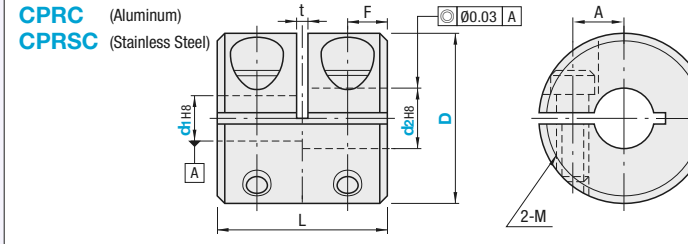
Recommended Tolerance of Applicable Shaft Diameter: h₆ and h₇

Clamping



RoHS

CPRC (Aluminum)
CPRSC (Stainless Steel)



$k=0.03$

Type	Material	Surface Treatment	Accessory
CPRC	Aluminum Alloy	Clear Anodize	Hex Socket Head Cap Screw
CPRSC	Stainless Steel	-	

For the selection criteria and alignment procedures, see **P.1061**

Part Number	Type	D	d ₁ , d ₂ Selection (d ₁ ≤ d ₂)				L	M (Coarse)	A	t	F	Unit Price	
			5	6	8	10						CPRC	CPRSC
CPRC (Aluminum)	16	5	6			16	M2.5	5		3.75			
	20	6	8			20	M2.5	6.5	1	4.75			
CPRS (Stainless Steel)	25	8	10			25	M3	9		6			
	32	10	12	14		32	M4	11		7.75			
CPRC (Aluminum)	40	14	15	16	18	44	M5	13	1.5	10.5			
	50	18	20	24		55	M6	16	2	13			

Part Number	Allowable Torque (N·m)	Max. Rotational Speed (r/min)	Moment of Inertia (kg·m ²)	Screw Tightening Torque (N·m)	Mass (g)
CPRC (Aluminum)	16	0.3	9500	3.0x10 ⁻⁷	9
	20	0.5	7600	8.7x10 ⁻⁷	15
	25	1	6100	2.7x10 ⁻⁶	1.5
	32	2	4800	7.1x10 ⁻⁶	2.5
CPRS (Stainless Steel)	40	4	4000	1.5x10 ⁻⁵	7
	50	6	4000	7.0x10 ⁻⁵	12
	16	0.3	9500	8.0x10 ⁻⁷	22
	20	0.5	7600	2.4x10 ⁻⁶	41
25	1	6100	7.3x10 ⁻⁶	1.5	80
32	2	4800	2.5x10 ⁻⁵	2.5	160


Ordering Example: Part Number - Shaft Bore Dia. d₁ - Shaft Bore Dia. d₂
CPRC25 - 8 - 10

Rigid Couplings

Split, Clamping Long

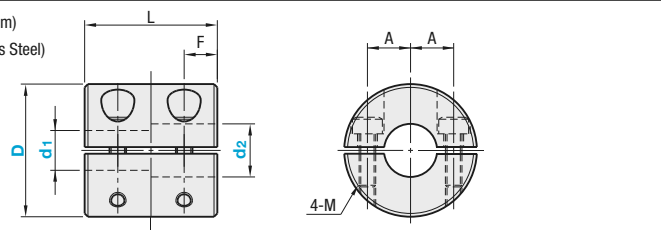
The rigid type cannot tolerate any lateral and angular misalignments. Adequate centering is required before use.

Split



RoHS

CPSR (Aluminum)
CPSRS (Stainless Steel)



$k=0.03$


Type	Material	Surface Treatment	Accessory
CPSR	Aluminum Alloy	Clear Anodize	Hex Socket Head Cap Screw
CPSRS	Stainless Steel	-	

For the selection criteria and alignment procedures, see **P.1061**

Part Number	Type	D	d ₁ , d ₂ Selection (d ₁ ≤ d ₂)				L	F ₁	F ₂	A	M	Unit Price	
			5	6	8	10						CPSR	CPSRS
CPSR (Aluminum)	16	5	6			16	3.75	5		M2.5			
	20	6	8			20	4.75	6.5		M2.5			
CPSRS (Stainless Steel)	25	8	10			25	6	9		M3			
	32	10	12	14		32	7.75	11		M4			

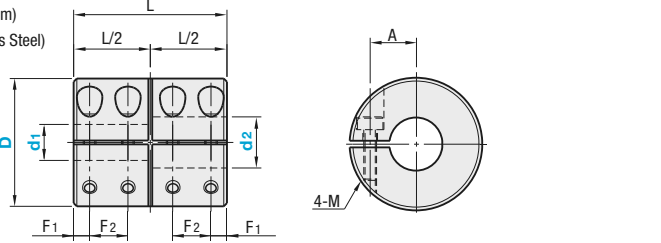
Part Number	Allowable Torque (N·m)	Max. Rotational Speed (r/min)	Moment of Inertia (kg·m ²)	Screw Tightening Torque (N·m)	Mass (g)
CPSR (Aluminum)	16	0.3	39000	3.2x10 ⁻⁷	8.8
	20	0.5	31000	8.7x10 ⁻⁷	15
	25	1	25000	2.7x10 ⁻⁶	1.5
	32	2	19000	9.3x10 ⁻⁶	2.5
CPSRS (Stainless Steel)	16	0.3	39000	8.2x10 ⁻⁷	22
	20	0.5	31000	2.4x10 ⁻⁶	41
	25	1	25000	7.3x10 ⁻⁶	1.5
	32	2	19000	2.5x10 ⁻⁵	2.5

Clamping Long



RoHS

CPND (Aluminum)
CPNDS (Stainless Steel)



$k=0.03$

Type	Material	Surface Treatment	Accessory
CPND	Aluminum Alloy	Clear Anodize	Hex Socket Head Cap Screw
CPNDS	Stainless Steel	-	

For the selection criteria and alignment procedures, see **P.1061**

Part Number	Type	D	d ₁ , d ₂ Selection (d ₁ ≤ d ₂)				L	F ₁	F ₂	A	M	Unit Price	
			5	6	8	10						CPND	CPNDS
CPND (Aluminum)	16	5	6			22	2.5	5.5	5	M2			
	20	6	8			24	6	7		M2			
CPNDS (Stainless Steel)	25	8	10			36	4.5	9	9	M2.5			
	32	10	12	14		40	4	10	11	M3			

Part Number	Allowable Torque (N·m)	Max. Rotational Speed (r/min)	Moment of Inertia (kg·m ²)	Screw Tightening Torque (N·m)	Mass (g)
CPND (Aluminum)	16	0.3	39000	3.4x10 ⁻⁷	10
	20	0.5	31000	9.2x10 ⁻⁷	18
	25	1	25000	3.4x10 ⁻⁶	1
	32	2	19000	1.0x10 ⁻⁵	1.5
CPNDS (Stainless Steel)	16	0.3	39000	8.9x10 ⁻⁷	25
	20	0.5	31000	2.5x10 ⁻⁶	45
	25	1	25000	9.2x10 ⁻⁶	1
	32	2	19000	2.7x10 ⁻⁵	1.5

Ordering Example: Part Number - Shaft Bore Dia. d₁ - Shaft Bore Dia. d₂
CPSR25 - 8 - 10