

Rigid Couplings

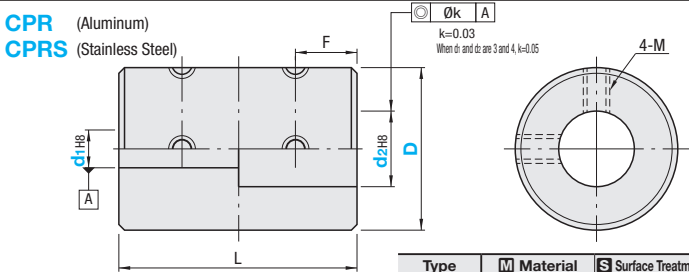
Set Screw, Clamping

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

Set Screw



CPR (Aluminum)
CPRS (Stainless Steel)



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

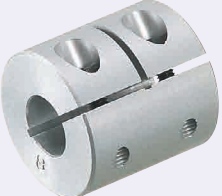
For the selection criteria and alignment procedures, see [P.1061](#)

Part Number		d1, d2 Selection (d1≤d2)					Unit Price	
Type	D						CPR	CPRS
CPR (Aluminum)	16	3	4	5	6	24	M3	6
	20		5	6	8	30		7
CPRS (Stainless Steel)	25		8	10	11	36	M4	9
	32			12	14	41		10
CPR (Aluminum)	40				15	44	M5	10.5

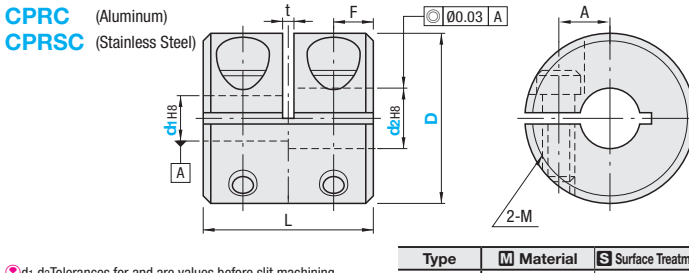
Part Number	Allowable Torque (N·m)	Max. Rotational Speed (r/min)	Moment of Inertia (kg·m ²)	Screw Tightening Torque (N·m)	Mass (g)
CPR (Aluminum)	16	0.3	24000	4.4x10 ⁻⁷	11
	20	0.5	19000	1.3x10 ⁻⁶	20
	25	1	15000	3.9x10 ⁻⁶	39
	32	2	12000	1.2x10 ⁻⁵	71
	40	4	4000	1.5x10 ⁻⁵	120
CPRS (Stainless Steel)	16	0.3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



CPRC (Aluminum)
CPRSC (Stainless Steel)



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

For the selection criteria and alignment procedures, see [P.1061](#)

Part Number		d1, d2 Selection (d1≤d2)					Unit Price	
Type	D						CPRC	CPRSC
CPRC (Aluminum)	16	5	6			16	M2.5	5
	20		6	8		20		6.5
CPRSC (Stainless Steel)	25		8	10		25	M3	9
	32			10	12	32	M4	11
CPRC (Aluminum)	40				14	44	M5	13
	50				18	55	M6	16

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	29
	32	2	4800	7.1x10 ⁻⁶	61
	40	4	4000	1.5x10 ⁻⁵	120
CPRSC (Stainless Steel)	16	0.3	9500	8.0x10 ⁻⁷	22
	20	0.5	7600	2.4x10 ⁻⁶	41
	25	1	6100	7.3x10 ⁻⁶	80
	32	2	4800	2.5x10 ⁻⁵	160

Ordering Example: Part Number - Shaft Bore Dia. d1 - Shaft Bore Dia. d2
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Rigid Couplings

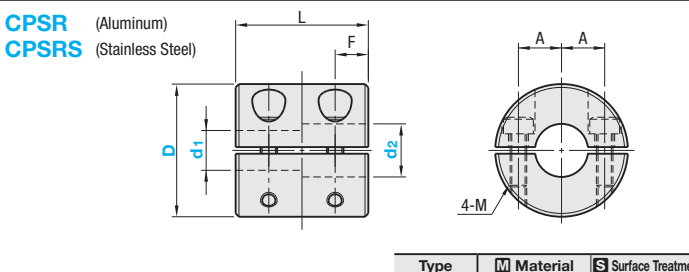
Split, Clamping Long

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

Split



CPSR (Aluminum)
CPSRS (Stainless Steel)



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

For the selection criteria and alignment procedures, see [P.1061](#)

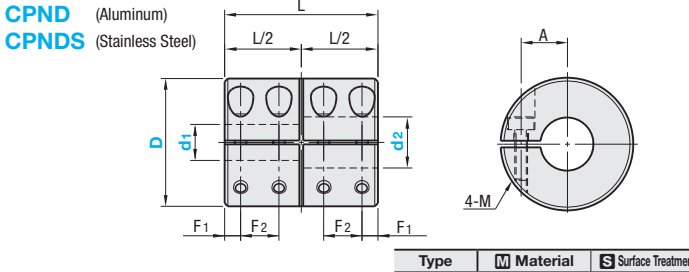
Part Number		d1, d2 Selection (d1≤d2)					Unit Price	
Type	D						CPSR	CPSRS
CPSR (Aluminum)	16	5	6			16	3.75	5
	20		6	8		20	4.75	6.5
CPSRS (Stainless Steel)	25		8	10		25	6	9
	32			10	12	32	7.75	11

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	29
	32	2	19000	9.3x10 ⁻⁶	61
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	80
	32	2	19000	2.5x10 ⁻⁵	160

Clamping Long



CPND (Aluminum)
CPNDS (Stainless Steel)



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

For the selection criteria and alignment procedures, see [P.1061](#)

Part Number		d1, d2 Selection (d1≤d2)					Unit Price	
Type	D						CPND	CPNDS
CPND (Aluminum)	16	5	6			22	2.5	5
	20		6	8		24		6
CPNDS (Stainless Steel)	25		8	10		36	4.5	9
	32			10	12	40	4	10

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	38
	32	2	19000	1.0x10 ⁻⁵	70
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	100
	32	2	19000	2.7x10 ⁻⁵	180

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