

(unit: mm)

Nominal size	O A L	ℓ	D <sub>s</sub>	d1 (Percentage of thread engagement)	d2 (Percentage of thread engagement)	Product code	ℓ1 (1.5D)	ℓ2 (2D)	ℓ3 (2.5D)
2-56UNC	41.5	5.5	3	1.695 (100%)	1.742 (90%)	CPCSUN2EA	3.3	4.4	5.5
				1.718 (95%)	1.767 (85%)	CPCSUN2EB			
				1.742 (90%)	1.791 (80%)	CPCSUN2EC			
				1.767 (85%)	1.816 (75%)	CPCSUN2ED			
				1.791 (80%)	1.840 (70%)	CPCSUN2EE			
				(5pcs/set)		CPCSUN2ES			
2-64UNF	41.5	5.5	3	1.756 (100%)	1.797 (90%)	CPCSUN2DA	3.3	4.4	5.5
				1.776 (95%)	1.819 (85%)	CPCSUN2DB			
				1.797 (90%)	1.840 (80%)	CPCSUN2DC			
				1.819 (85%)	1.862 (75%)	CPCSUN2DD			
				1.840 (80%)	1.883 (70%)	CPCSUN2DE			
				(5pcs/set)		CPCSUN2DS			
3-48UNC	45	7.5	3	1.941 (100%)	1.999 (90%)	CPCSUN3FA	3.8	5.0	6.3
				1.971 (95%)	2.028 (85%)	CPCSUN3FB			
				1.999 (90%)	2.057 (80%)	CPCSUN3FC			
				2.028 (85%)	2.085 (75%)	CPCSUN3FD			
				2.057 (80%)	2.114 (70%)	CPCSUN3FE			
				(5pcs/set)		CPCSUN3FS			
3-56UNF	45	7.5	3	2.025 (100%)	2.073 (90%)	CPCSUN3EA	3.8	5.0	6.3
				2.049 (95%)	2.098 (85%)	CPCSUN3EB			
				2.073 (90%)	2.122 (80%)	CPCSUN3EC			
				2.098 (85%)	2.147 (75%)	CPCSUN3ED			
				2.122 (80%)	2.171 (70%)	CPCSUN3EE			
				(5pcs/set)		CPCSUN3ES			
4-40UNC	45	7.5	3	2.157 (100%)	2.226 (90%)	CPCSUN4HA	4.3	5.7	7.1
				2.192 (95%)	2.261 (85%)	CPCSUN4HB			
				2.226 (90%)	2.295 (80%)	CPCSUN4HC			
				2.261 (85%)	2.329 (75%)	CPCSUN4HD			
				2.295 (80%)	2.364 (70%)	CPCSUN4HE			
				(5pcs/set)		CPCSUN4HS			

Nominal size	O A L	ℓ	D <sub>s</sub>	d1 (Percentage of thread engagement)	d2 (Percentage of thread engagement)	Product code	ℓ1 (1.5D)	ℓ2 (2D)	ℓ3 (2.5D)
4-48UNF	45	7.5	3	2.271 (100%)	2.329 (90%)	CPCSUN4FA	4.3	5.7	7.1
				2.301 (95%)	2.358 (85%)	CPCSUN4FB			
				2.329 (90%)	2.387 (80%)	CPCSUN4FC			
				2.358 (85%)	2.415 (75%)	CPCSUN4FD			
				2.387 (80%)	2.444 (70%)	CPCSUN4FE			
				(5pcs/set)		CPCSUN4FS			
5-40UNC	49	9	4	2.487 (100%)	2.556 (90%)	CPCSUN5HA	4.8	6.4	7.9
				2.522 (95%)	2.591 (85%)	CPCSUN5HB			
				2.556 (90%)	2.625 (80%)	CPCSUN5HC			
				2.591 (85%)	2.659 (75%)	CPCSUN5HD			
				2.625 (80%)	2.694 (70%)	CPCSUN5HE			
				(5pcs/set)		CPCSUN5HS			
5-44UNF	49	9	4	2.551 (100%)	2.613 (90%)	CPCSUN5GA	4.8	6.4	7.9
				2.581 (95%)	2.644 (85%)	CPCSUN5GB			
				2.613 (90%)	2.675 (80%)	CPCSUN5GC			
				2.644 (85%)	2.706 (75%)	CPCSUN5GD			
				2.675 (80%)	2.738 (70%)	CPCSUN5GE			
				(5pcs/set)		CPCSUN5GS			
6-32UNC	49	9	4	2.642 (100%)	2.732 (90%)	CPCSUN6JA	5.3	7.0	8.8
				2.689 (95%)	2.775 (85%)	CPCSUN6JB			
				2.732 (90%)	2.818 (80%)	CPCSUN6JC			
				2.775 (85%)	2.861 (75%)	CPCSUN6JD			
				2.818 (80%)	2.903 (70%)	CPCSUN6JE			
				(5pcs/set)		CPCSUN6JS			
6-40UNF	49	9	4	2.820 (100%)	2.886 (90%)	CPCSUN6HA	5.3	7.0	8.8
				2.852 (95%)	2.921 (85%)	CPCSUN6HB			
				2.886 (90%)	2.955 (80%)	CPCSUN6HC			
				2.921 (85%)	2.989 (75%)	CPCSUN6HD			
				2.955 (80%)	3.024 (70%)	CPCSUN6HE			
				(5pcs/set)		CPCSUN6HS			

※ Depending on the hole sizes to be checked, color rings are also available on the neck part.

Nominal size	O A L	ℓ	D <sub>s</sub>	d1 (Percentage of thread engagement)	d2 (Percentage of thread engagement)	Product code	ℓ1 (1.5D)	ℓ2 (2D)	ℓ3 (2.5D)	
M4 × 0.5	57	11.0	5.0	3.459 (100%)	3.513 (90%)	CPCS4.0GA	6.0	8.0	10.0	
				3.486 (95%)	3.540 (85%)	CPCS4.0GB				
				3.513 (90%)	3.567 (80%)	CPCS4.0GC				
				3.540 (85%)	3.594 (75%)	CPCS4.0GD				
				3.567 (80%)	3.621 (70%)	CPCS4.0GE				
				3.594 (75%)	3.648 (65%)	CPCS4.0GF				
				100% - 70% (5pcs/set)		CPCS4.0GS				
				95% - 65% (5pcs/set)		CPCS4.0GM				
				3.688 (100%)		3.769 (90%)				CPCS4.5JA
				3.729 (95%)		3.810 (85%)				CPCS4.5JB
M4.5 × 0.75	65	14.0	5.5	3.769 (90%)	3.850 (80%)	CPCS4.5JC	6.8	9.0	11.3	
				3.810 (85%)	3.891 (75%)	CPCS4.5JD				
				3.850 (80%)	3.932 (70%)	CPCS4.5JE				
				3.891 (75%)	3.972 (65%)	CPCS4.5JF				
				100% - 70% (5pcs/set)		CPCS4.5JS				
				95% - 65% (5pcs/set)		CPCS4.5JM				
				3.959 (100%)		4.013 (90%)				CPCS4.5GA
				3.986 (95%)		4.040 (85%)				CPCS4.5GB
				4.013 (90%)		4.067 (80%)				CPCS4.5GC
				4.040 (85%)		4.094 (75%)				CPCS4.5GD
M4.5 × 0.5	65	14.0	5.5	4.067 (80%)	4.121 (70%)	CPCS4.5GE	6.8	9.0	11.3	
				4.094 (75%)	4.148 (65%)	CPCS4.5GF				
				100% - 70% (5pcs/set)		CPCS4.5GS				
				95% - 65% (5pcs/set)		CPCS4.5GM				
				4.134 (100%)		4.221 (90%)				CPCS5.0KA
				4.177 (95%)		4.264 (85%)				CPCS5.0KB
				4.221 (90%)		4.307 (80%)				CPCS5.0KC
				4.264 (85%)		4.350 (75%)				CPCS5.0KD
				4.307 (80%)		4.394 (70%)				CPCS5.0KE
				4.350 (75%)		4.437 (65%)				CPCS5.0KF
M5 × 0.8	65	14.0	5.5	100% - 70% (5pcs/set)		CPCS5.0KS	7.5	10.0	12.5	
				95% - 65% (5pcs/set)		CPCS5.0KM				
				4.459 (100%)		4.513 (90%)				CPCS5.0GA
				4.486 (95%)		4.540 (85%)				CPCS5.0GB
				4.513 (90%)		4.567 (80%)				CPCS5.0GC
				4.540 (85%)		4.594 (75%)				CPCS5.0GD
				4.567 (80%)		4.621 (70%)				CPCS5.0GE
				4.594 (75%)		4.648 (65%)				CPCS5.0GF
				100% - 70% (5pcs/set)		CPCS5.0GS				
				95% - 65% (5pcs/set)		CPCS5.0GM				
M5 × 0.5	65	14.0	5.5	4.917 (100%)	5.026 (90%)	CPCS6.0MA	9.0	12.0	15.0	
				4.972 (95%)	5.080 (85%)	CPCS6.0MB				
				5.026 (90%)	5.134 (80%)	CPCS6.0MC				
				5.080 (85%)	5.188 (75%)	CPCS6.0MD				
				5.134 (80%)	5.242 (70%)	CPCS6.0ME				
				5.188 (75%)	5.296 (65%)	CPCS6.0MF				
				100% - 70% (5pcs/set)		CPCS6.0MS				
				95% - 65% (5pcs/set)		CPCS6.0MM				
				5.188 (100%)		5.269 (90%)				CPCS6.0JA
				5.229 (95%)		5.310 (85%)				CPCS6.0JB
M6 × 0.75	73	16.5	6.0	5.269 (90%)	5.350 (80%)	CPCS6.0JC	9.0	12.0	15.0	
				5.310 (85%)	5.391 (75%)	CPCS6.0JD				
				5.350 (80%)	5.432 (70%)	CPCS6.0JE				
				5.391 (75%)	5.472 (65%)	CPCS6.0JF				
				100% - 70% (5pcs/set)		CPCS6.0JS				
				95% - 65% (5pcs/set)		CPCS6.0JM				
				5.459 (100%)		5.540 (90%)				CPCS7.0MA
				5.492 (95%)		5.573 (85%)				CPCS7.0MB
				5.526 (90%)		5.607 (80%)				CPCS7.0MC
				5.569 (85%)		5.650 (75%)				CPCS7.0MD
M6 × 0.5	65	14.0	5.5	5.607 (80%)	5.688 (70%)	CPCS7.0ME	7.5	10.0	12.5	
				5.640 (75%)	5.721 (65%)	CPCS7.0MF				
				100% - 70% (5pcs/set)		CPCS7.0MS				
				95% - 65% (5pcs/set)		CPCS7.0MM				
				6.188 (100%)		6.269 (90%)				CPCS7.0JA
				6.229 (95%)		6.310 (85%)				CPCS7.0JB
				6.269 (90%)		6.350 (80%)				CPCS7.0JC
				6.310 (85%)		6.391 (75%)				CPCS7.0JD
				6.350 (80%)		6.432 (70%)				CPCS7.0JE
				6.391 (75%)		6.472 (65%)				CPCS7.0JF
M7 × 1	99	22.0	8.0	100% - 70% (5pcs/set)		CPCS7.0JS	10.5	14.0	17.5	
				95% - 65% (5pcs/set)		CPCS7.0JM				
				6.647 (100%)		6.782 (90%)				CPCS8.0NA
				6.714 (95%)		6.850 (85%)				CPCS8.0NB
				6.782 (90%)		6.917 (80%)				CPCS8.0NC
				6.850 (85%)		6.985 (75%)				CPCS8.0ND
				6.917 (80%)		7.053 (70%)				CPCS8.0NE
				6.985 (75%)		7.120 (65%)				CPCS8.0NF
				100% - 70% (5pcs/set)		CPCS8.0NS				
				95% - 65% (5pcs/set)		CPCS8.0NM				
M7 × 0.75	99	22.0	8.0	6.917 (100%)	7.026 (90%)	CPCS8.0MA	12.0	16.0	20.0	
				6.972 (95%)	7.080 (85%)	CPCS8.0MB				
				7.026 (90%)	7.134 (80%)	CPCS8.0MC				
				7.080 (85%)	7.188 (75%)	CPCS8.0MD				
				7.134 (80%)	7.242 (70%)	CPCS8.0ME				
				7.188 (75%)	7.296 (65%)	CPCS8.0MF				
				100% - 70% (5pcs/set)		CPCS8.0MS				
				95% - 65% (5pcs/set)		CPCS8.0MM				
				7.188 (100%)		7.269 (90%)				CPCS8.0JA
				7.229 (95%)		7.310 (85%)				CPCS8.0JB
M8 × 1.25	99	22.0	8.0	7.229 (95%)	7.310 (85%)	CPCS8.0JC	12.0	16.0	20.0	
				7.269 (90%)	7.350 (80%)	CPCS8.0JD				
				7.310 (85%)	7.391 (75%)	CPCS8.0JE				
				7.350 (80%)	7.432 (70%)	CPCS8.0JF				
				7.391 (75%)	7.472 (65%)	CPCS8.0JG				
				100% - 70% (5pcs/set)		CPCS8.0JS				
				95% - 65% (5pcs/set)		CPCS8.0JM				
				7.647 (100%)		7.782 (90%)				CPCS9.0NA
				7.714 (95%)		7.850 (85%)				CPCS9.0NB
				M8 × 0.75	99	22.0				8.0
7.850 (85%)	7.985 (75%)	CPCS9.0ND								
7.917 (80%)	8.053 (70%)	CPCS9.0NE								
7.985 (75%)	8.120 (65%)	CPCS9.0NF								
100% - 70% (5pcs/set)		CPCS9.0NS								
95% - 65% (5pcs/set)		CPCS9.0NM								
10.105 (100%)		10.295 (90%)	CPCS10.0MA							
10.200 (95%)		10.390 (85%)	CPCS10.0MB							
10.295 (90%)		10.484 (80%)	CPCS10.0MC							
10.390 (85%)		10.579 (75%)	CPCS10.0MD							
M9 × 1.25	110	27.5	10.0	10.484 (80%)	10.674 (70%)	CPCS10.0ME	15.0	20.0	25.0	
				10.579 (75%)	10.769 (65%)	CPCS10.0MF				
				100% - 70% (5pcs/set)		CPCS10.0MS				
				95% - 65% (5pcs/set)		CPCS10.0MM				
				9.188 (100%)		9.269 (90%)				CPCS10.0JA
				9.229 (95%)		9.310 (85%)				CPCS10.0JB
				9.269 (90%)		9.350 (80%)				CPCS10.0JC
				9.310 (85%)		9.391 (75%)				CPCS10.0JD
				9.350 (80%)		9.432 (70%)				CPCS10.0JE
				9.391 (75%)		9.472 (65%)				CPCS10.0JF
M9 × 0.75	110	27.5	10.0	100% - 70% (5pcs/set)		CPCS10.0JS	15.0	20.0	25.0	
				95% - 65% (5pcs/set)		CPCS10.0JM				
				9.376 (100%)		9.538 (90%)				CPCS10.0MA
				9.457 (95%)		9.620 (85%)				CPCS10.0MB
				9.538 (90%)		9.701 (80%)				CPCS10.0MC
				9.620 (85%)		9.782 (75%)				CPCS10.0MD
				9.701 (80%)		9.863 (70%)				CPCS10.0ME
				9.782 (75%)		9.944 (65%)				CPCS10.0MF
				100% - 70% (5pcs/set)		CPCS10.0MS				
				95% - 65% (5pcs/set)		CPCS10.0MM				
M10 × 1.5	110	27.5	10.0	9.188 (100%)	9.269 (90%)	CPCS10.0JA	15.0	20.0	25.0	
				9.229 (95%)	9.310 (85%)	CPCS10.0JB				
				9.269 (90%)	9.350 (80%)	CPCS10.0JC				
				9.310 (85%)	9.391 (75%)	CPCS10.0JD				
				9.350 (80%)	9.432 (70%)	CPCS10.0JE				
				9.391 (75%)	9.472 (65%)	CPCS10.0JF				
				100% - 70% (5pcs/set)		CPCS10.0JS				
				95% - 65% (5pcs/set)		CPCS10.0JM				
				9.376 (100%)		9.538 (90%)				CPCS10.0MA
				9.457 (95%)		9.620 (85%)				CPCS10.0MB
M10 × 0.75	110	27.5	10.0	9.457 (95%)	9.620 (85%)	CPCS10.0MB	15.0	20.0	25.0	
				9.538 (90%)	9.701 (80%)	CPCS10.0MC				
				9.620 (85%)	9.782 (75%)	CPCS10.0MD				
				9.701 (80%)	9.863 (70%)					