

# NAAMS

## NAAMS

NEW



NEW



NEW



Product name	GUIDE POSTS	OIL-FREE GUIDE BUSHINGS	CLAMPS FOR GUIDE BUSHINGS
Catalog No.	CMG51	CMG61 CMG71	CMG72 CMG73
Page	1547	1548 1549	1550

NEW



NEW



NEW



NEW



NEW



LIFTER PINS	RETAINER PINS / STOPPERS	OIL-FREE PAD GUIDE BLOCKS	CAM UPPER PLATES	KEEPER BLOCKS FOR PADS
CML01	CMR41 CMR42 CMR43	CMG11	CMR21 CMR22	CMR01 CMR02
1551	1552	1553	1554	1555

NEW



NEW



NEW



NEW



SLIDE PLATES	OIL-FREE GUIDE BLOCKS	CAM BOTTOM GUIDE PLATES—75mm TYPE—	CAM BOTTOM SLIDE PLATES—75mm TYPE—
CMW01 CMW02 CMW03	CMG01 CMG02	CMG21	CMG22 CMG23
1557	1559	1561	1562

NEW



NEW



NEW



NEW



CAM BOTTOM GUIDE PLATES—125mm TYPE—	CAM BOTTOM SLIDE PLATES—125mm TYPE—	CENTER KEY GUIDES	CENTER KEYS
CMG31	CMG32 CMG33	CMG41	CMG42 CMG43
1563	1564	1565	1566

NEW



NEW



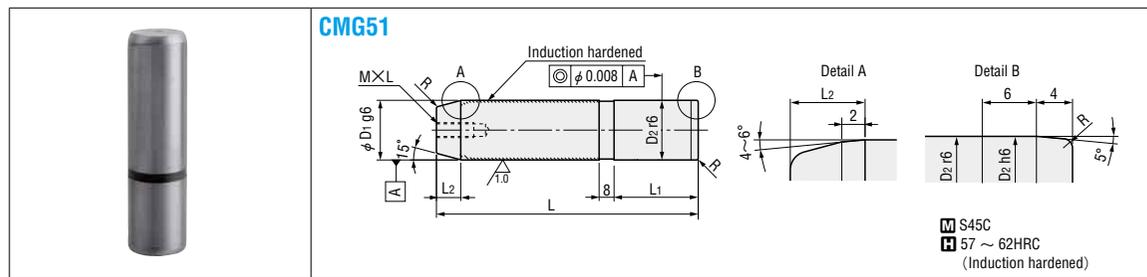
CAM SLIDE GUIDES	CAM STROKE PLATES
CMR11 CMR12	CMW11 CMW21 CMW31
1567	1568 1569



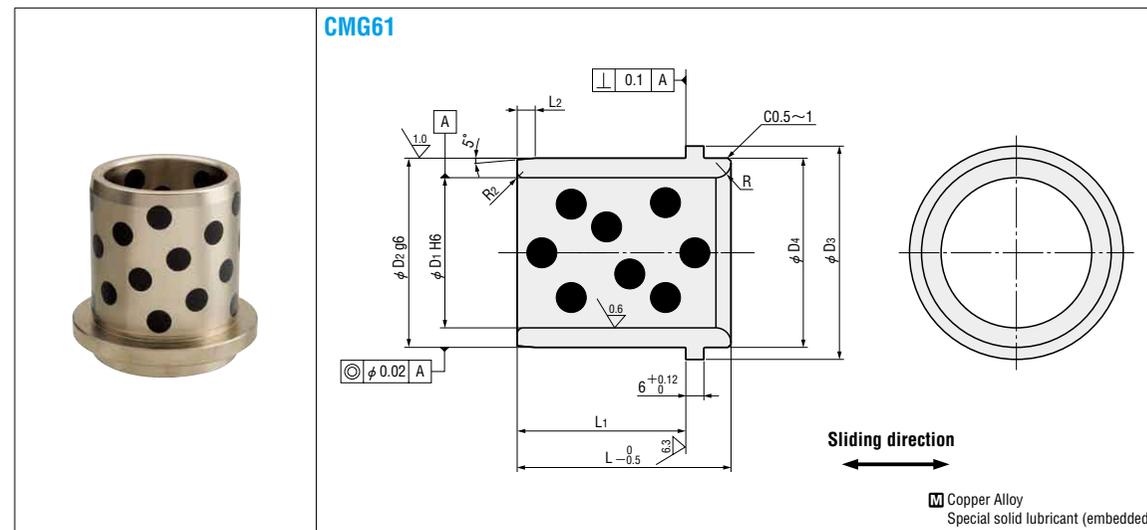
# GUIDE POSTS



# OIL-FREE GUIDE BUSHINGS



D1	D2	L	L1	L2	R	M×L	NAAMS Code	Catalog No.	
								Type	Code
25	25	80	40	8	2	M8×20	G512508	CMG51	2508
		100					G512510		2510
		125					G512512		2512
		140					G512514		2514
		160					G512516		2516
180	G512518	2518							
32	32	100	45	8	2		G513210		3210
		125					G513212		3212
		140					G513214		3214
		160					G513216		3216
		180					G513218		3218
40	40	200	56	8	2		G513220		3220
		225					G514016		4016
		250					G514018		4018
		250					G514020		4020
		250				G514022	4022		
50	50	160	70	10	2.5	G514025	4025		
		180				G515016	5016		
		200				G515018	5018		
		225				G515020	5020		
		250				G515022	5022		
63	63	250	80	10	2.5	G515025	5025		
		280				G515028	5028		
		315				G515031	5031		
		355				G516320	6320		
		400				G516322	6322		
80	80	500	100	10	3	G516325	6325		
		500				G516328	6328		
		500				G516331	6331		
		500				G516335	6335		
		500				G516340	6340		
100	100	500	125	10	3	G516350	6350		
		500				G518025	8025		
		500				G518028	8028		
		500				G518031	8031		
		500				G518035	8035		
115	115	500	140	10	3	G518040	8040		
		500				G518050	8050		
		500				G511031	1031		
		500				G511035	1035		
		500				G511040	1040		
125	125	500	140	10	3	G511050	1050		
		500				G511140	1140		
		500				G511150	1150		
		500				G511240	1240		
		500				G511245	1245		
125	125	500	140	10	3	G511250	1250		
		500				G511255	1255		
		500				G511260	1260		
		500				G511265	1265		
		500				G511270	1270		



D1	D2	D3	D4	L	L1	L2	R	NAAMS Code	Catalog No.	
									Type	Code
25	32	40	32	40	30	4	3	G612540	CMG61	2540
32	40	50	40	50	40	4	3	G613250		3250
40	50	63	50	63	50	5	3	G614063		4063
50	63	71	63	71	56	6	5	G615071		5071
63	80	90	80	80	63	8	6	G616380		6380
80	100	112	100	100	80	10	8	G618010		8010
100	125	140	125	125	106	12	10	G611012		1012
115	140	155	140	140	120	12	10	G611114		1114
125	160	180	160	160	132	12	12	G611216		1216

Order  **CMG61** **4063**  
 Days to Ship **Quotation**  
 Price **Quotation**

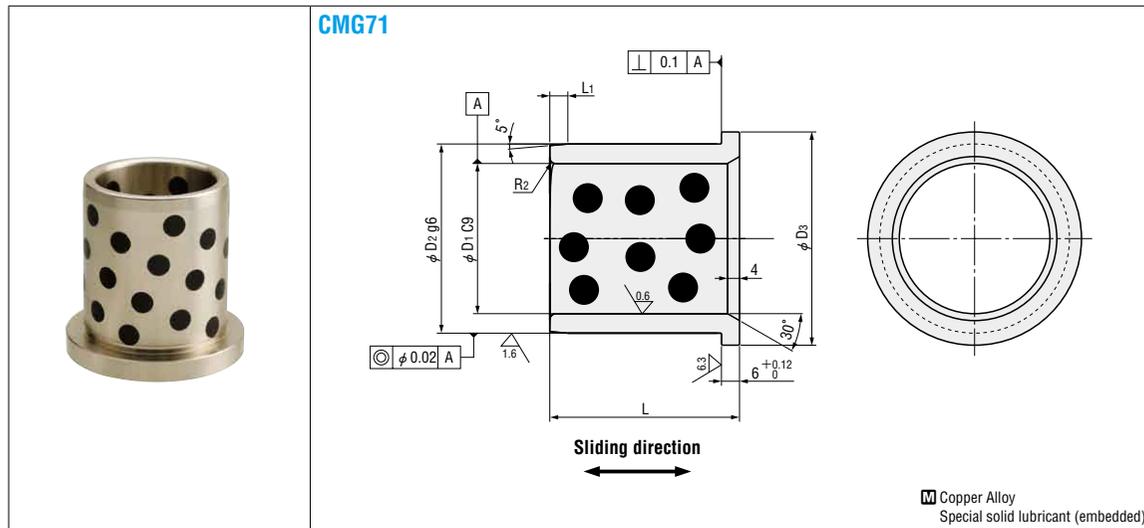
Order  **CMG51** **2508**  
 Days to Ship **Quotation**  
 Price **Quotation**



# OIL-FREE GUIDE BUSHINGS



# CLAMPS FOR GUIDE BUSHINGS



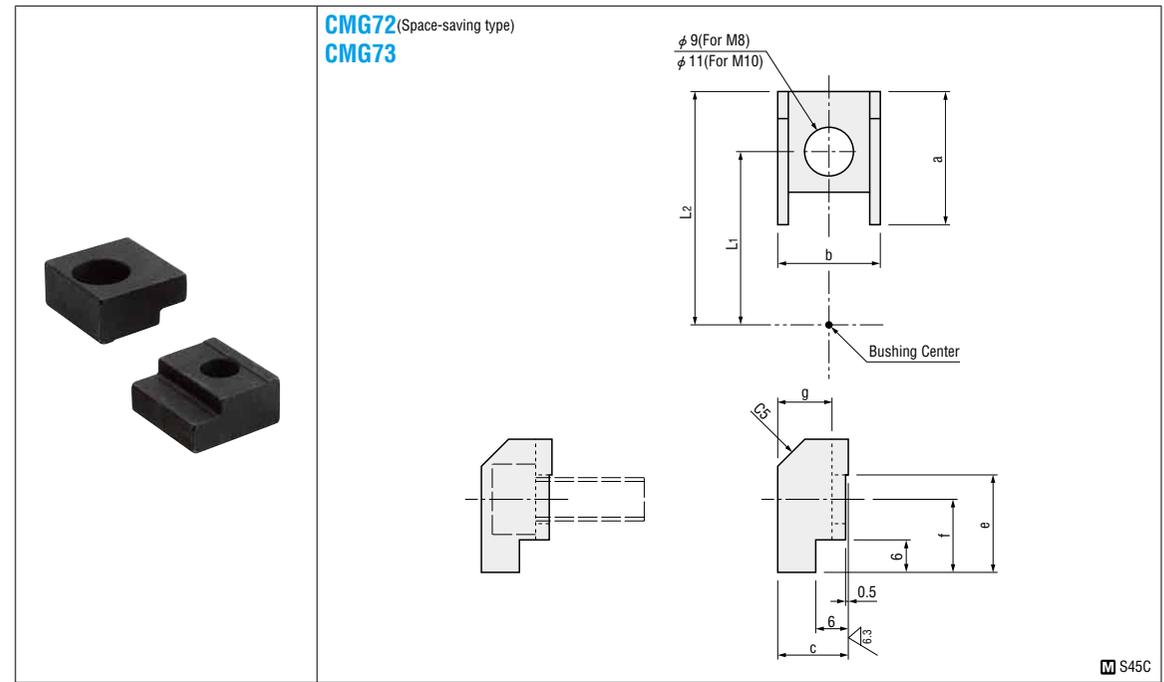
■ Copper Alloy  
Special solid lubricant (embedded)

D1	D2	D3	L	L1	NAAMS Code	Catalog No.	
						Type	Code
25	32	40	40	4	G712540	CMG71	2540
32	40	50	50	4	G713250		3250
40	50	63	55	5	G714055		4055
50	63	71	63	6	G715063		5063
63	80	90	75	8	G716375		6375
80	100	112	90	10	G718090		8090
100	125	140	115	12	G711011		1011
125	160	180	138	12	G711213	1213	

Order

Days to Ship

Price



Nom. Post Dia.	L1	L2	a	b	c	e	f	g	Fitting bolt	NAAMS Code	Catalog No.	
											Type	Code
32	34	45.1	24.6	18.9	13	18	13.5	10	CB8—20	G720000	CMG72	0000
40	40.5	51.6										
50	44.5	55.6										
63	54	65.1										
80	65	76.1										
100	79	90.1	27.9	23.5	15.5	20.5	15	12.5	CB10—20	G730000	CMG73	0000
115	86.5	97.6										
32	35.5	48.4										
40	42	54.9										
50	46	58.9										
63	55.5	68.4										
80	66.5	79.4										
100	80.5	93.4										
115	88	100.9										
125	100.5	113.4										

Order

Days to Ship

Price

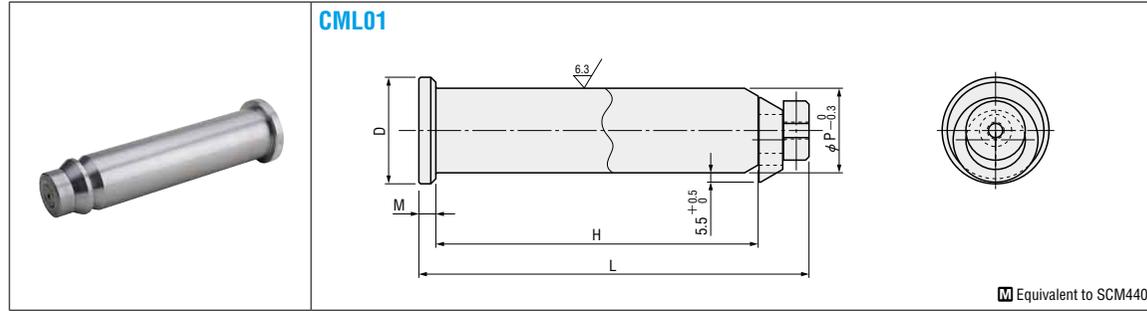
NAAMS



# LIFTER PINS



# RETAINER PINS / STOPPERS

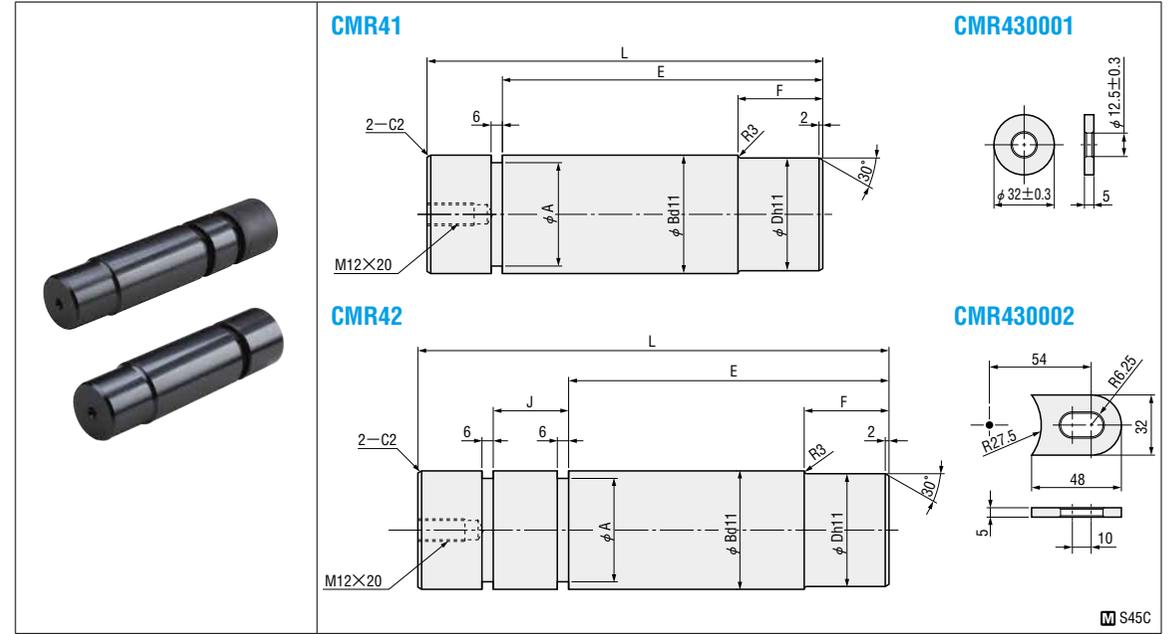


P	H	L	D	M	NAAMS Code	Catalog No.	
						Type	Code
35	125	165	45	10	L013512	CML01	3512
50	190	230	63	10	L015019		5019
63	280	320	76	10	L016328		6328
80	320	370	89	15	L018032		8032

Order   
CML01    5019

Days to Ship

Price



B	D	F	E	A	L	NAAMS Code	Catalog No.	
							Type	Code
25	22	25	75	17	110	R412511	CMR41	2511
35	32	30	95	27	130	R413513		3513
50	47	35	135	42	170	R415017		5017
63	60	45	170	55	210	R416321		6321

B	D	F	E	A	J	L	NAAMS Code	Catalog No.	
								Type	Code
25	22	25	75	17	20	130	R422513	CMR42	2513
35	32	30	95	27	25	155	R423515		3515
50	47	35	135	42	30	200	R425020		5020
63	60	45	170	55	40	250	R426325		6325

NAAMS Code	Catalog No.	
	Type	Code
R430001	CMR43	0001
R430002		0002

Order   
CMR41    6321  
CMR43    0001

Days to Ship

Price

NAAMS



# OIL-FREE PAD GUIDE BLOCKS



# CAM UPPER PLATES



**CMG11**

2-C Bore holes For M16 Soc.Hd.Scr.  
2-φ 16 G6

Special solid lubricant (embedded) & induction hardened

□ S45C  
Special solid lubricant (embedded)  
■ 40HRC~ (Induction hardened)

T	L	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	ℓ <sub>4</sub>	NAAMS Code	Catalog No.	
							Type	Code
75	80	25	35	40	55	G118007	CMG11	8007
100						8010		
125						8012		
75	95	40	50	55	70	G119507	CMG11	9507
100						9510		
125						9512		
75	120	65	75	80	95	G111207	CMG11	1207
100						1210		
125						1212		

Order

Days to Ship

Price



**CMR21**  
**CMR22** (Without bolt holes type)

Special solid lubricant (embedded) & induction hardened

□ S45C  
Special solid lubricant (embedded)  
■ 40HRC~ (Induction hardened)

W	L	N (Holes)	w <sub>1</sub>	w <sub>2</sub>	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	ℓ <sub>4</sub>	NAAMS Code		Catalog No.	
									With bolt holes	Without bolt holes	Type	code
100	200	3	55	80	100	—	—	175	R211020	R221020	CMR21 CMR22	1020
	250	4			90	—	160	225	R211025	R221025		1025
	315	5			90	158	225	290	R211031	R221031		1031
	350				100	175	250	325	R211035	R221035		1035
	400				115	200	285	375	R211040	R221040		1040
	450				125	225	325	425	R211045	R221045		1045
125	200	3	65	105	100	—	—	175	R211220	R221220	CMR21 CMR22	1220
	250	4			90	—	160	225	R211225	R221225		1225
	315	5			90	158	225	290	R211231	R221231		1231
	350				100	175	250	325	R211235	R221235		1235
	400				115	200	285	375	R211240	R221240		1240
	450				125	225	325	425	R211245	R221245		1245
150	200	3	65	130	100	—	—	175	R211520	R221520	CMR21 CMR22	1520
	250	4			90	—	160	225	R211525	R221525		1525
	315	5			90	158	225	290	R211531	R221531		1531
	350				100	175	250	325	R211535	R221535		1535
	400				115	200	285	375	R211540	R221540		1540
	450				125	225	325	425	R211545	R221545		1545

Order

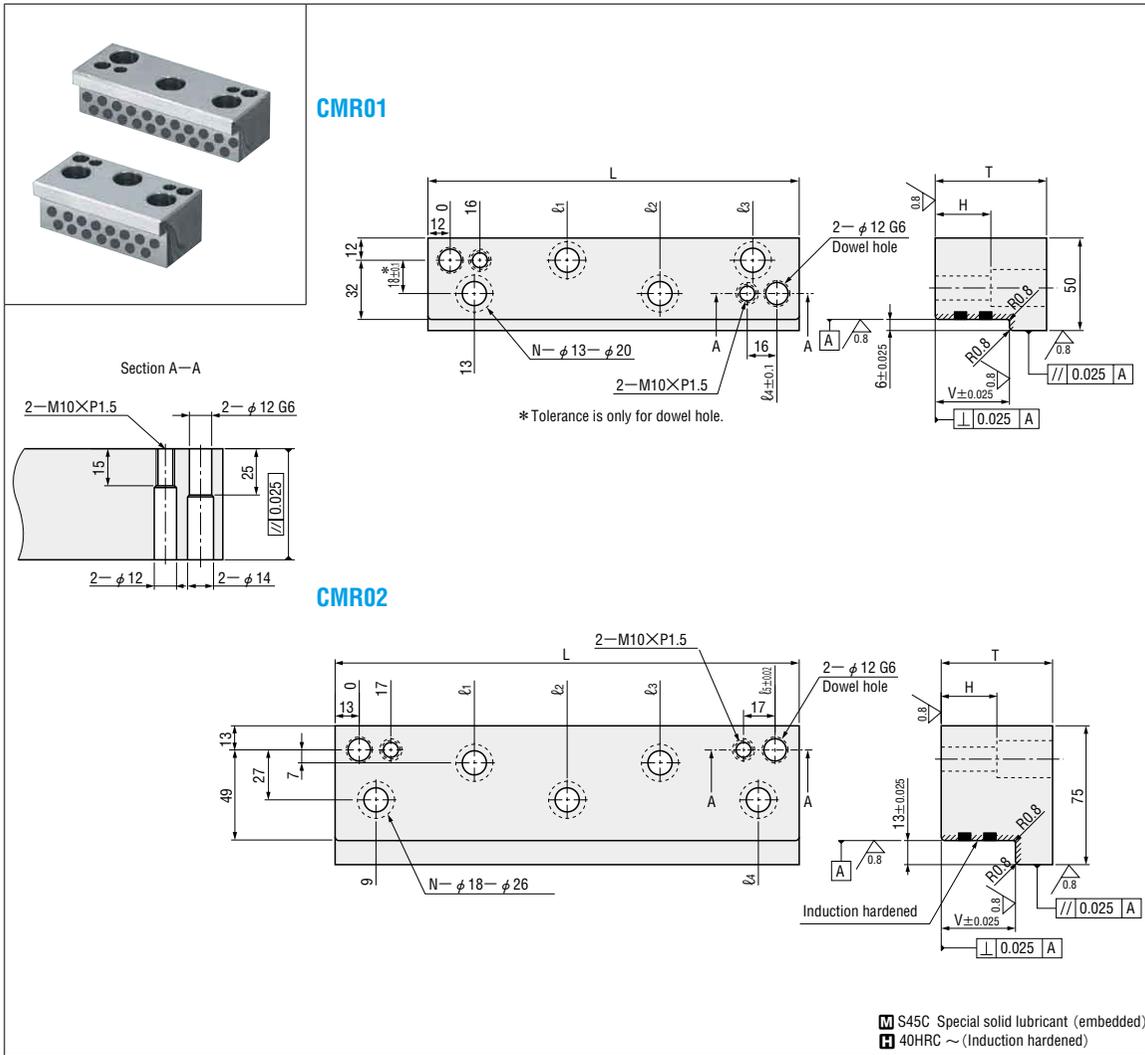
Days to Ship

Price

NAAMS



# KEEPER BLOCKS FOR PADS



L	V	H	T	N (Holes)	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	ℓ <sub>4</sub>	NAAMS Code	Catalog No.	
										Type	Code
75	25	15	37	2	—	—	38	51	R012507	CMR01	2507
100				—	—	63	76	R012510	2510		
150				3	—	63	113	126	R012515		2515
200				4	63	113	163	176	R012520		2520
75	32	15	45	2	—	—	38	51	R013207		3207
100				—	—	63	76	R013210	3210		
150				3	—	63	113	126	R013215		3215
200				4	63	113	163	176	R013220		3220
75	37	30	50	2	—	—	38	51	R013707		3707
100				—	—	63	76	R013710	3710		
150				3	—	63	113	126	R013715		3715
200				4	63	113	163	176	R013720		3720
100	48	30	60	2	—	—	63	76	R014810	4810	
150				3	—	63	113	126	R014815	4815	
200				4	63	113	163	176	R014820	4820	
250				83	153	213	226	R014825	4825		

L	V	H	T	N (Holes)	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	ℓ <sub>4</sub>	ℓ <sub>5</sub>	NAAMS Code	Catalog No.				
											Type	Code			
100	35	25	50	2	—	—	—	65	74	R023510	CMR02	3510			
125				3	49.5	—	—	90	99	R023512		3512			
150				—	—	—	115	124	R023515	3515					
200				4	62	—	112	165	174	R023520		3520			
225				—	—	—	137	190	199	R023522		3522			
250				5	62	112	162	215	224	R023525		3525			
300				62	137	212	265	274	R023530	3530					
100				40	25	60	2	—	—	—		65	74	R024010	4010
125							3	49.5	—	—		90	99	R024012	4012
150							—	—	—	115		124	R024015	4015	
200							4	62	—	112		165	174	R024020	4020
225							—	—	—	137		190	199	R024022	4022
250	5	62	112				162	215	224	R024025	4025				
300	62	137	212				265	274	R024030	4030					
100	50	30	70				2	—	—	—	65	74	R025010	5010	
125							3	49.5	—	—	90	99	R025012	5012	
150							—	—	—	115	124	R025015	5015		
200							4	62	—	112	165	174	R025020	5020	
225							—	—	—	137	190	199	R025022	5022	
250				5	62	112	162	215	224	R025025	5025				
300				62	137	212	265	274	R025030	5030					
100				55	35	80	2	—	—	—	65	74	R025510	5510	
125							3	49.5	—	—	90	99	R025512	5512	
150							—	—	—	115	124	R025515	5515		
200							4	62	—	112	165	174	R025520	5520	
225							—	—	—	137	190	199	R025522	5522	
250	5	62	112				162	215	224	R025525	5525				
300	62	137	212				265	274	R025530	5530					
100	65	45	90				2	—	—	—	65	74	R026510	6510	
125							3	49.5	—	—	90	99	R026512	6512	
150							—	—	—	115	124	R026515	6515		
200							4	62	—	112	165	174	R026520	6520	
225							—	—	—	137	190	199	R026522	6522	
250				5	62	112	162	215	224	R026525	6525				
300				62	137	212	265	274	R026530	6530					
100				75	45	100	2	—	—	—	65	74	R027510	7510	
125							3	49.5	—	—	90	99	R027512	7512	
150							—	—	—	115	124	R027515	7515		
200							4	62	—	112	165	174	R027520	7520	
225							—	—	—	137	190	199	R027522	7522	
250	5	62	112				162	215	224	R027525	7525				
300	62	137	212				265	274	R027530	7530					

Order  **CMR02 5025**

Days to Ship

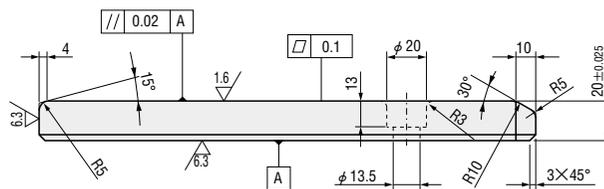
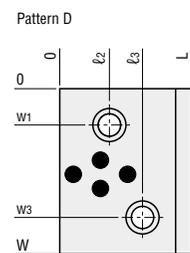
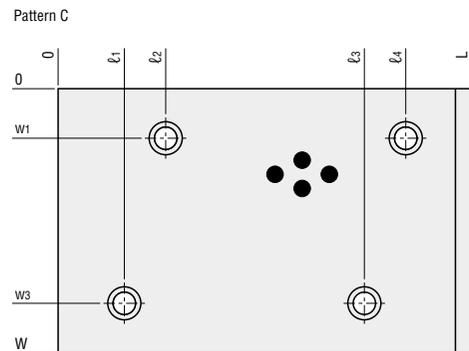
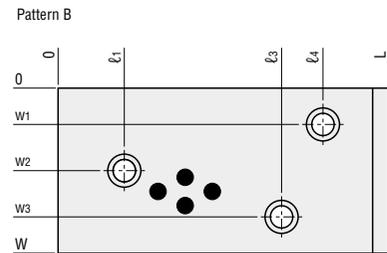
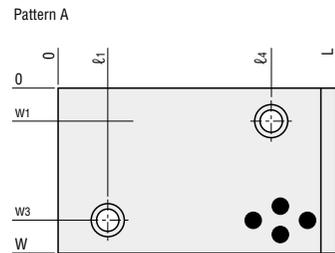
Price



# SLIDE PLATES



**CMW01** (Steel+Graphite)  
**CMW02** (Steel)  
**CMW03** (Copper Alloy)



**M**  
**CMW01** Equivalent to SCM440 (heat treatment)  
 Special solid lubricant (embedded)  
**CMW02** Equivalent to SCM440 (heat treatment)  
**CMW03** Copper Alloy  
 Special solid lubricant (embedded)

Pattern	Bolt holes	W	L	w1	w2	w3	l1	l2	l3	l4	NAAMS Code			Catalog No.							
											Steel+Graphite	Steel	Cooper Alloy	Type	Code						
A	2	50	100	25	—	25	30	—	—	60	W015010	W025010	W035010	CMW01 CMW02 CMW03	5010						
			150								W015015	W025015	W035015		5015						
			200								W015020	W025020	W035020		5020						
		80	100	20	—	60	30	—	—	60	W018010	W028010	W038010		8010						
			150								W018015	W028015	W038015		8015						
			200								W018020	W028020	W038020		8020						
B	3	250	—	—	—	40	—	—	210	W018025	W028025	W038025	8025								
										315	W018031	W028031	W038031	8031							
D	2	100	50	22	—	78	30	—	—	60	W011050	W021050	W031050	1050							
			80								W011080	W021080	W031080	1080							
A	2		100								—	—	—	—	—	—	110	W011010	W021010	W031010	1010
			150															W011015	W021015	W031015	1015
B	3		200								—	—	—	—	—	—	135	W011020	W021020	W031020	1020
			250															W011025	W021025	W031025	1025
D	2	125	80	25	—	100	30	—	—	60	W011031	W021031	W031031	1031							
			100								W011280	W021280	W031280	1280							
A	2		150								—	—	—	—	—	—	110	W011210	W021210	W031210	1210
			200															W011215	W021215	W031215	1215
B	3		250								—	—	—	—	—	—	135	W011220	W021220	W031220	1220
			315															W011225	W021225	W031225	1225
C	4	160	315	30	—	130	40	65	250	275	W011231	W021231	W031231	1231							
			A								2	100	—	—	—	—	—	60	W011610	W021610	W031610
150	W011615											W021615							W031615	1615	
B	3		200								—	—	—	—	—	—	135	W011620	W021620	W031620	1620
			250															W011625	W021625	W031625	1625
C	4		315								—	—	—	—	—	—	250	275	W011631	W021631	W031631



Order

Catalog No.

CMW01 5020



Days to Ship

Quotation



Price

Quotation





# CAM BOTTOM GUIDE PLATES

—75mm TYPE—

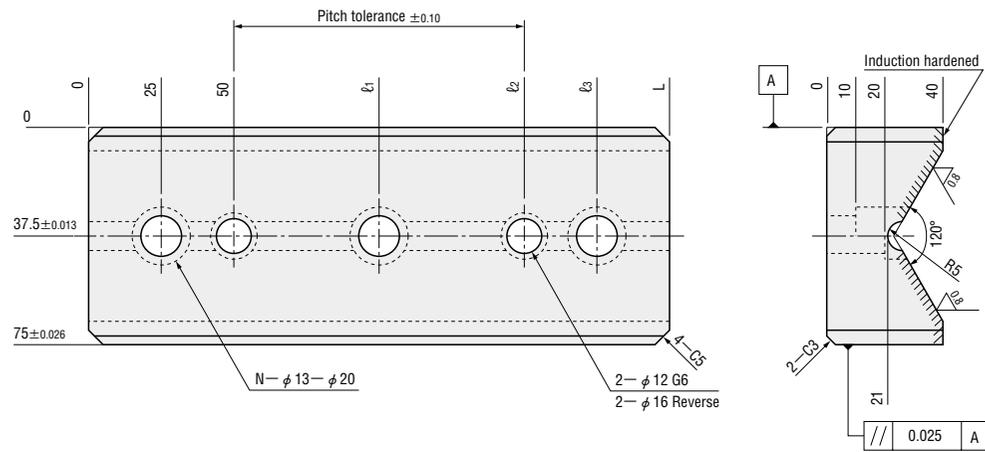
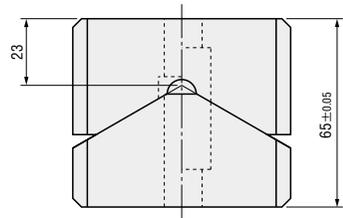


# CAM BOTTOM SLIDE PLATES

—75mm TYPE—

Cam bottom guide plates

CMG21



S45C  
 40HRC~ (Induction hardened)

L	No. of bolt holes	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	NAAMS Code	Catalog No.	
						Type	Code
150	2	—	100	125	G217515	CMG21	7515
200		—	150	175	G217520		7520
250	3	125	200	225	G217525		7525
300		150	250	275	G217530		7530

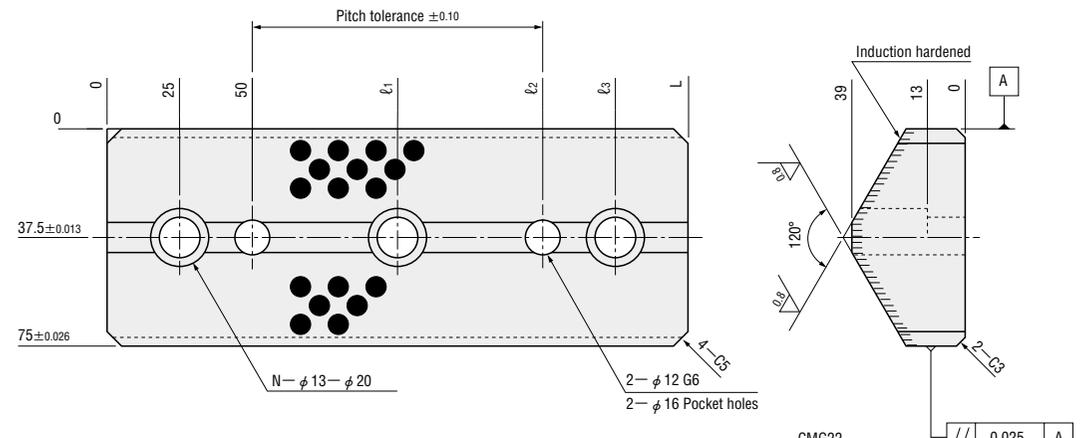
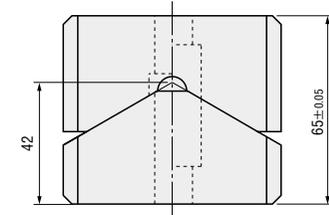
Order  **CMG21 7515**

Days to Ship **Quotation**

Price **Quotation**

Cam bottom slide plates

CMG22  
CMG23



S45C  
 Special solid lubricant (embedded)  
 40HRC~ (Induction hardened)

CMG23  
 Copper Alloy  
 Special solid lubricant (embedded)

L	No. of bolt holes	l <sub>1</sub>	l <sub>2</sub>	l <sub>3</sub>	NAAMS Code		Catalog No.	
					Steel	Copper Alloy	Type	Code
150	2	—	100	125	G227515	G237515	CMG22 CMG23	7515
200		—	150	175	G227520	G237520		7520
250	3	125	200	225	G227525	G237525		7525
300		150	250	275	G227530	G237530		7530

Order  **CMG22 7515**

Days to Ship **Quotation**

Price **Quotation**

NAAMS



# CAM BOTTOM GUIDE PLATES

—125mm TYPE—

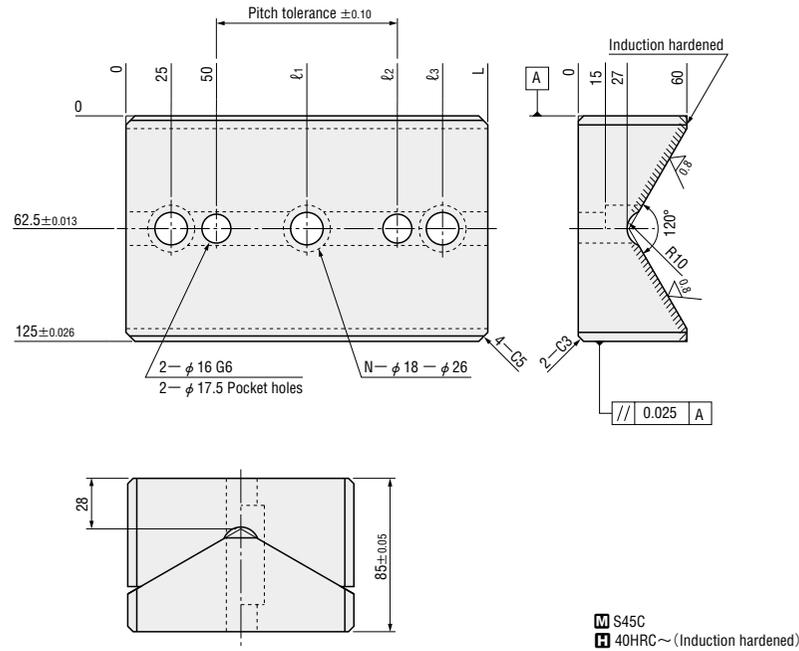


# CAM BOTTOM SLIDE PLATES

—125mm TYPE—

Cam bottom guide plates

CMG31



L	No. of bolt holes	$\ell_1$	$\ell_2$	$\ell_3$	NAAMS Code	Catalog No.	
						Type	Code
150	2	—	100	125	G311215	CMG31	1215
200		—	150	175	G311220		1220
250	3	125	200	225	G311225		1225
300		150	250	275	G311230		1230

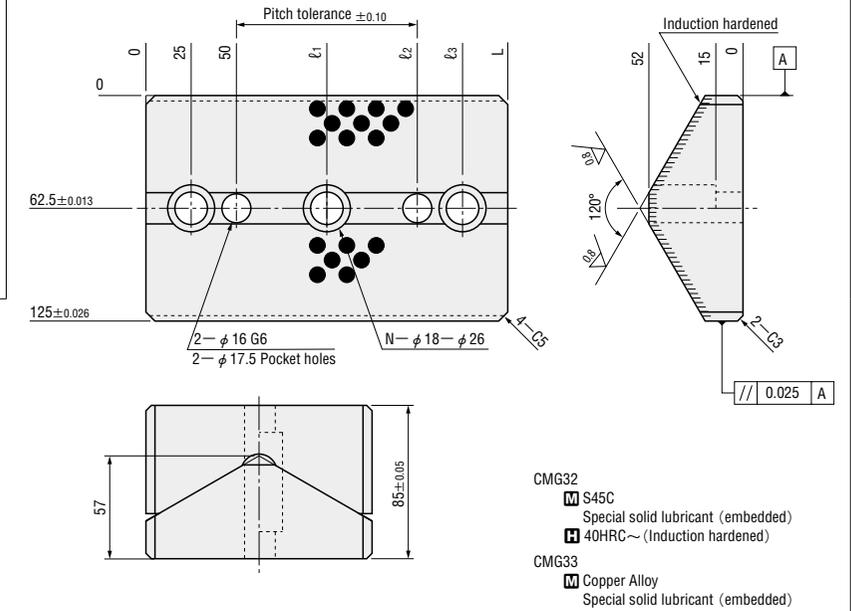
Order  **CMG31** **1215**

Days to Ship **Quotation**

Price **Quotation**

Cam bottom slide plates

CMG32  
CMG33



L	No. of bolt holes	$\ell_1$	$\ell_2$	$\ell_3$	NAAMS Code		Catalog No.	
					Steel	Copper Alloy	Type	Code
150	2	—	100	125	G321215	G331215	CMG32 CMG33	1215
200		—	150	175	G321220	G331220		1220
250	3	125	200	225	G321225	G331225		1225
300		150	250	275	G321230	G331230		1230

Order  **CMG32** **1215**

Days to Ship **Quotation**

Price **Quotation**

CMG32  
 S45C  
 Special solid lubricant (embedded)  
 40HRC~ (Induction hardened)  
 CMG33  
 Copper Alloy  
 Special solid lubricant (embedded)

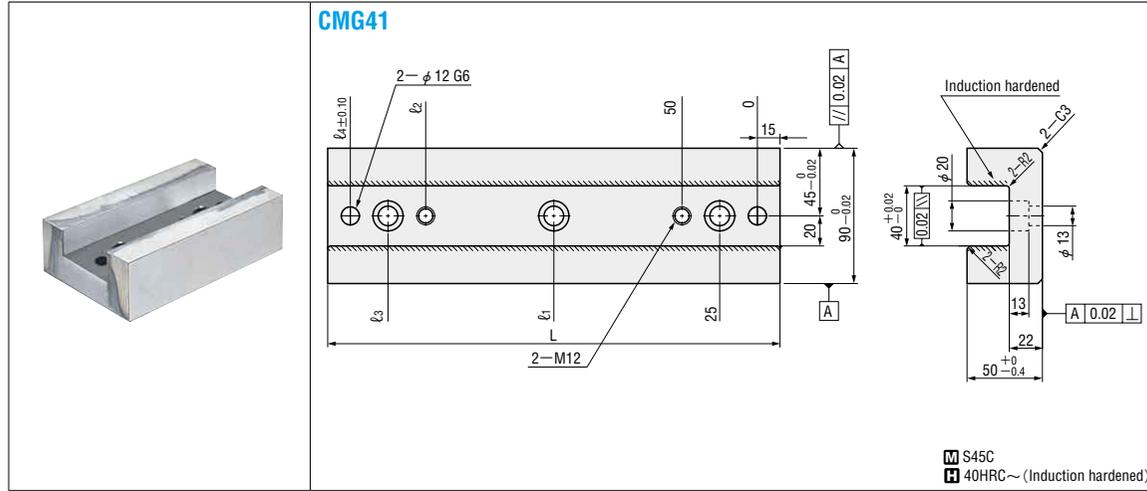
NAAMS



# CENTER KEY GUIDES



# CENTER KEYS



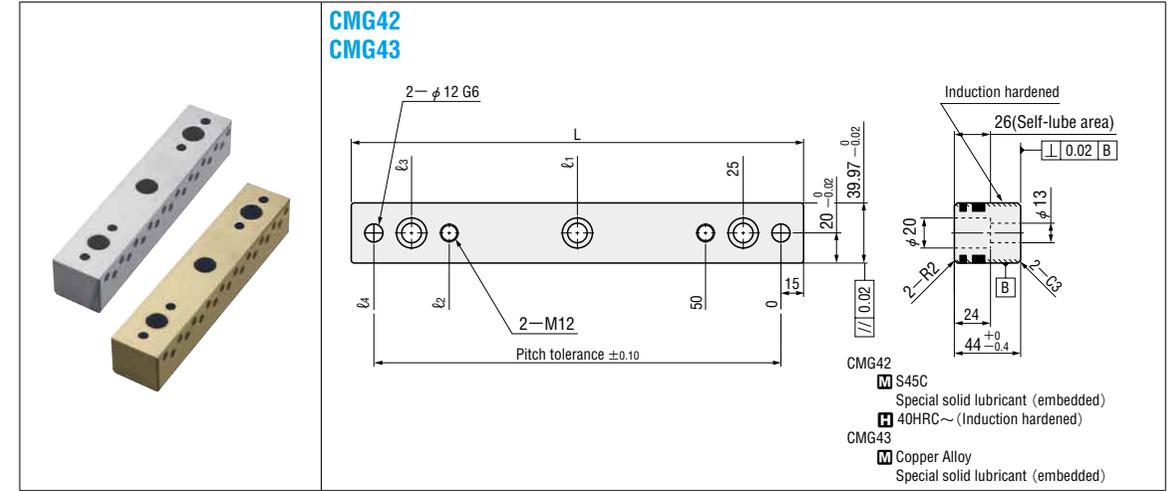
S45C  
 40HRC~ (Induction hardened)

L	No. of C'Bore Holes	ℓ1	ℓ2	ℓ3	ℓ4	NAAMS Code	Catalog No.	
							Type	Code
200	2	—	120	145	170	G419020	CMG41	9020
300	3	135	220	245	270	G419030		9030

Order   
CMG41 9030

Days to Ship

Price



S45C  
 Special solid lubricant (embedded)  
 40HRC~ (Induction hardened)  
 Copper Alloy  
 Special solid lubricant (embedded)

L	No. of C'Bore Holes	ℓ1	ℓ2	ℓ3	ℓ4	NAAMS Code		Code	
						Steel	Copper Alloy	Type	Code
200	2	—	120	145	170	G424020	G434020	CMG42 CMG43	4020
300	3	135	220	245	270	G424030	G434030		4030

Order   
CMG43 4030

Days to Ship

Price

NAAMS



# CAM SLIDE GUIDES

**CMR11**

2-M10×P1.5  
2-φ12 G6  
20  
R2  
25  
2-φ12  
2-φ14  
N-C Bore holes For M12 Soc.Hd.Scr.  
Induction hardened  
60  
40±0.025  
R0.8  
13  
13  
5  
55  
30  
0.8  
0.025 A  
0.025 A

■ S45C  
Special solid lubricant (embedded)  
□ 40HRC~ (Induction hardened)

L	No. of bolt holes	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	ℓ <sub>4</sub>	ℓ <sub>5</sub>	ℓ <sub>6</sub>	NAAMS Code	Catalog No.	
									Type	Code
160	3	68	—	—	110	123	136	R114016	CMR11	4016
200		88	—	—	150	163	176	R114020		4020
250		4	78	—	148	200	213	226		R114025
315	5	145.5		213	265	278	291	R114031		4031

Order

Days to Ship

Price

**CMR12**

2-M10×P1.5  
2-φ16 G6  
20  
30  
2-φ12  
2-φ18  
N-C Bore holes For M16 Soc.Hd.Scr.  
Induction hardened  
100  
75±0.025  
R0.8  
10  
0.8  
0.025 A  
0.025 A

■ S45C  
Special solid lubricant (embedded)  
□ 40HRC~ (Induction hardened)

L	No. of bolt holes	ℓ <sub>1</sub>	ℓ <sub>2</sub>	ℓ <sub>3</sub>	ℓ <sub>4</sub>	ℓ <sub>5</sub>	ℓ <sub>6</sub>	NAAMS Code	Catalog No.	
									Type	Code
160	3	—	64	—	108	124	128	R127516	CMR12	7516
200			84	—	148	164	168	R127520		7520
250			4	74	—	144	198	214		218
315	5	142	210		263	279	283	R127531		7531

Order

Days to Ship

Price

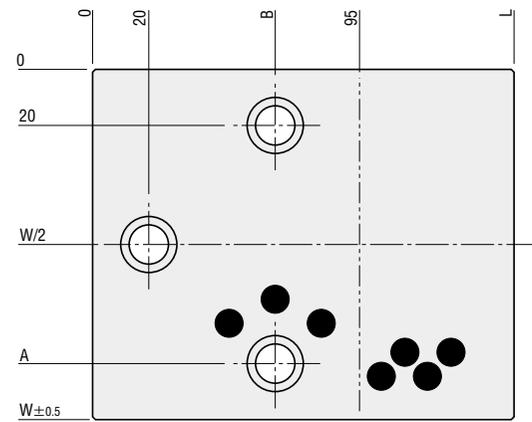


# CAM STROKE PLATES

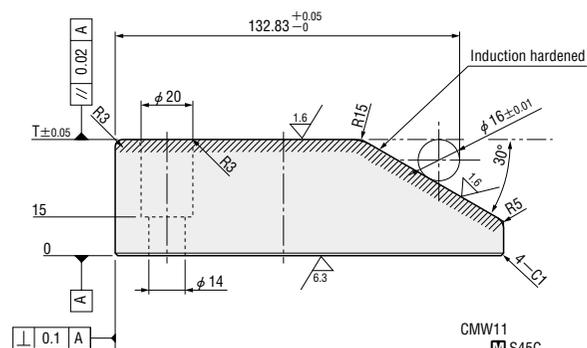
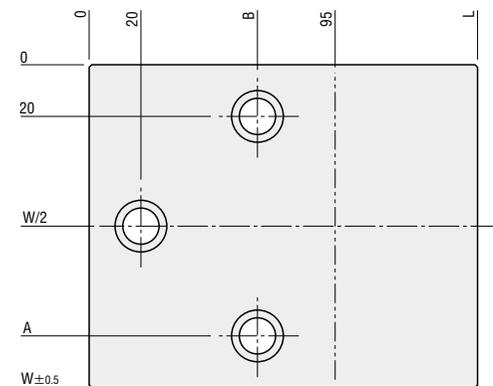


**CMW11** (Steel+Graphite)

**CMW31** (Copper Alloy)



**CMW21** (Steel)



- CMW11
  - ☐ S45C
  - ☐ Special solid lubricant (embedded)
  - ☐ 40HRC~ (Induction hardened)
- CMW21
  - ☐ S45C
  - ☐ 40HRC~ (Induction hardened)
- CMW31
  - ☐ Copper Alloy
  - ☐ Special solid lubricant (embedded)

A	B	T	W	L	NAAMS Code			Catalog No.	
					Steel+Graphite	Steel	Copper Alloy	Type	Code
80	70	30	100	125	W111210	W211210	W311210	CMW11 CMW21 CMW31	1210
105			W111212		W211212	W311212	1212		
140			W111216		W211216	W311216	1216		
80	65	45	100	150	W111510	W211510	W311510		1510
105			W111512		W211512	W311512	1512		
140			W111516		W211516	W311516	1516		
80	65	60	100	170	W111710	W211710	W311710	1710	
105			W111712		W211712	W311712	1712		
140			W111716		W211716	W311716	1716		



Order

Catalog No.

CMW11 1212



Days to Ship

Quotation



Price

Quotation