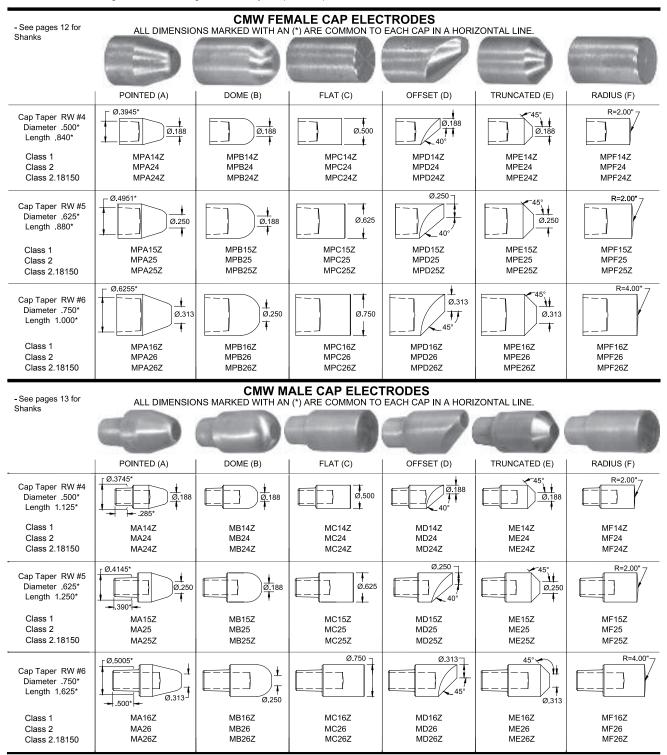
CAP ELECTRODES

These economical, quick change caps are made of long-lasting, highly-efficient Class 1, 2 and 2.18150 copper alloys, precision manufactured to exacting tolerances in a wide range of standard configurations or to your special requirements for use on CMW shanks.





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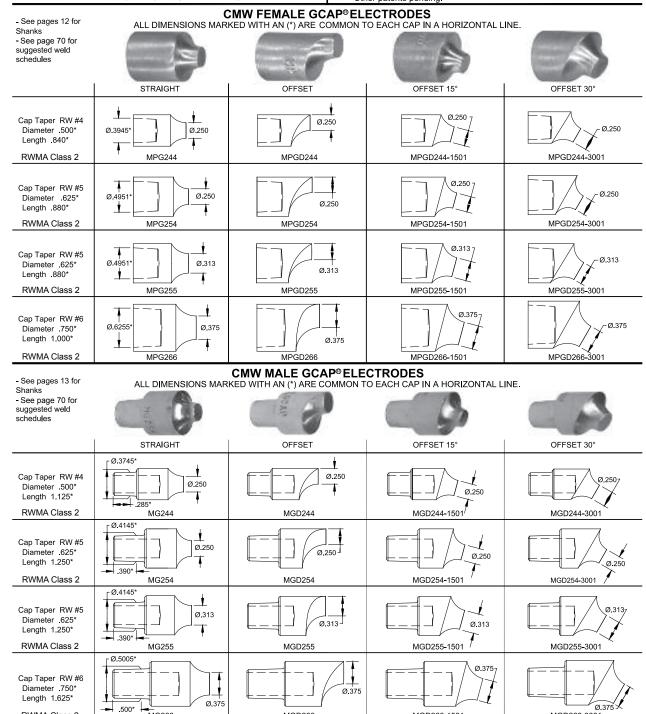


GCAP® ELECTRODES

The CMW GCAP® electrode is the answer to welding galvanized steels. The GCAP's® revolutionary design, and precision manufacturing from CMW Engineering provides for no sticking from the very first weld. GCAP® electrode nuggets meet or exceed industry standards for high quality welds from the first weld through the life of the cap. This cap design made from R.W.M.A. class 2 material eliminates brass build-up by literally rolling the brass away. You will use

less electric power (up to 25% less) and still achieve superior welds due to GCAP° design. Productivity will increase with up to 10 times more welds without dressing.

For best use of CMW GCAPS, a stepper program is recommended. Consult CMW application engineering. U.S. Patent 49,954,687; 5,015,816; 5,126,528. Other patents pending.





RWMA Class 2

MG266

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MGD266-1501

MGD266

www.wsiweld.com



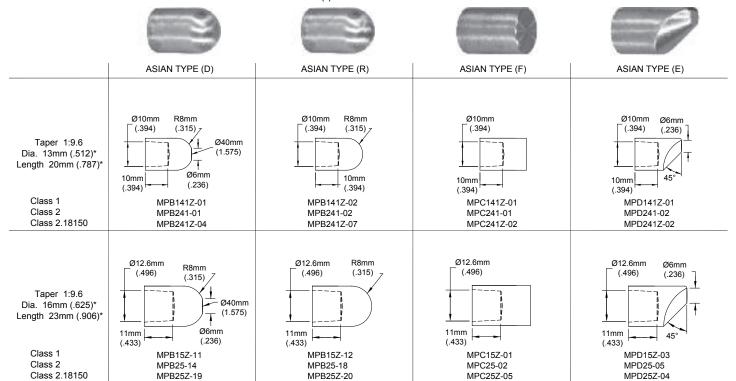
MGD266-3001

ASIAN CAP ELECTRODES

These economical, quick change caps are made of long-lasting, highly-efficient Class 1, 2 and 2.18150 copper alloys, precision manufactured to exacting tolerances in a wide range of standard configurations or to your special requirements.

CMW FEMALE ASIAN CAP ELECTRODES

ALL DIMENSIONS MARKED WITH AN (*) ARE COMMON TO EACH CAP IN A HORIZONTAL LINE.





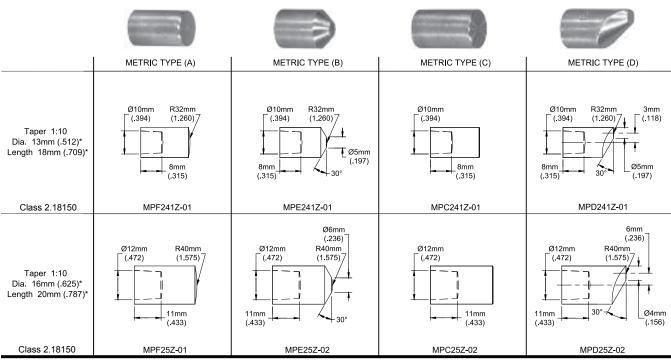


METRIC-ISO 5821 STANDARD CAP ELECTRODES

These economical, quick change caps are made of long-lasting, highly-efficient Class 2.18150 copper alloy, precision manufactured to exacting tolerances in a wide range of standard configurations or to your special requirements.

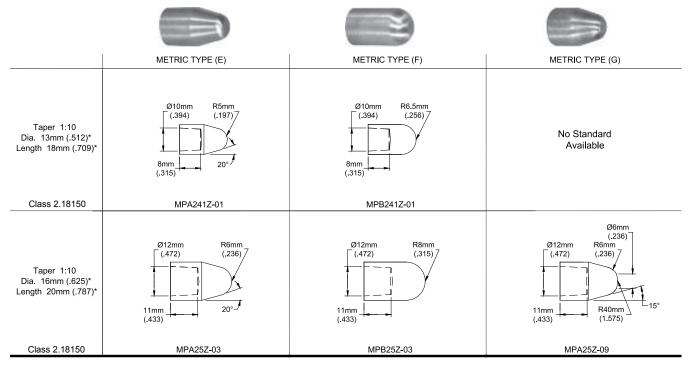
CMW FEMALE METRIC-ISO 5821 CAP ELECTRODES

ALL DIMENSIONS MARKED WITH AN (*) ARE COMMON TO EACH CAP IN A HORIZONTAL LINE.



CMW FEMALE METRIC-ISO 5821 CAP ELECTRODES

ALL DIMENSIONS MARKED WITH AN (*) ARE COMMON TO EACH CAP IN A HORIZONTAL LINE.





SHANKS FOR FEMALE CAP ELECTRODES

CMW shanks are precision manufactured from Class 2 material to provide a high quality mount for cap type electrodes. They are designed for high strength and electrical conductivity.

*These shanks are shown with a blind water hole for cap replacement without shutting off water. Shanks with through water holes are available, by adding "TH" to the basic part number. Example: MP30212TH.

- See pages 8 & 9 for CMW standard nose and GCAP® electrode

SHANKS FOR FEMALE CAP ELECTRODES

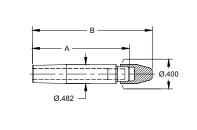




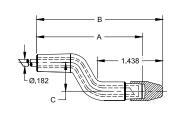
SHANKS FOR FEMALE CAPS WITH #4 RW TAPERS

BENT OFFSET SHANKS FOR FEMALE CAPS WITH #4 RW TAPERS

Рап No.	А	В	
MP3012	1.25	1.75	
MP3013	1.50	2.00	
MP3014	1.75	2.25	
MP3015	2.00	2.50	
MP3016	2.25	2.75	
MP3017	2.50	3.00	
MP3018	2.75	3.25	
MP3019	3.00	3.50	
MP30112	3.25	3.75	
MP30114	3.50	4.00	
MP30116	3.75	4.25	
MP30118	4.00	4.50	



Part No.	Α	В	С
MP3019-08	2.62	3.28	0.50
MP3019-12	2.56	3.22	0.75
MP30112-12	2.81	3.47	0.75
MP30112-16	2.37	3.03	1.00
MP30116-16	2.87	3.53	1.00
MP30116-20	2.60	3.28	1.25



Bent Dimensions for Reference Only

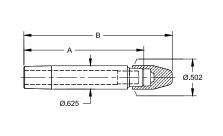




SHANKS FOR FEMALE CAPS WITH #5 RW TAPERS

BENT OFFSET SHANKS FOR FEMALE CAPS WITH #5 RW TAPERS

Part No.	А	В
MP3023	1.46	2.00
MP3024	1.71	2.25
MP3025	1.96	2.50
MP3026	2.21	2.75
MP3027	2.46	3.00
MP3028	2.71	3.25
MP3029	2.96	3.50
MP30212	3.21	3.75
MP30214	3.46	4.00
MP30216	3.71	4.25
MP30218	3.96	4.50
MP30220	4.21	4.75
MP30222	4.46	5.00



Part No.	Α	В	С	
MP3029-08 MP3029-12 MP30212-12 MP30212-16 MP30214-12 MP30214-16 MP30216-16 MP30216-20	2.58 2.60 2.77 2.33 3.00 2.81 2.83 2.77	3.20 3.12 3.44 3.00 3.66 3.48 3.49 3.43	0.50 0.75 0.75 1.00 0.75 1.00 1.00 1.25	A A 1.438
Bent Dimensio	ons for I	Referen	ice Onl	c ·





SHANKS FOR FEMALE CAPS WITH #6 RW TAPERS

BENT OFFSET SHANKS FOR FEMALE CAPS WITH #6 RW TAPERS

Part No.	Α	В		Part No.	Α	В	С	
MP3044 MP3045 MP3046 MP3047 MP3048 MP30412 MP30414 MP30416 MP30418 MP30418	1.64 1.89 2.14 2.39 2.64 2.89 3.14 3.39 3.64 3.89 4.14	2.25 2.50 2.75 3.00 3.25 3.50 3.75 4.00 4.25 4.50 4.75	Ø.750	MP3049-08 MP30412-12 MP30414-12 MP30416-16 MP30420-20	2.69 2.81	3.30 3.42 3.55 3.67 3.86	0.50 0.75 0.75 1.00 1.25	A A 1.438
MP30422	4.39	5.00		Bent Dimensi	ons for	Referer	nce Onl	у



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SHANKS FOR MALE CAP ELECTRODES

CMW shanks are precision manufactured from Class 2 material to provide a high quality mount for cap type electrodes. They are designed for high strength and electrical conductivity.





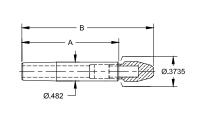




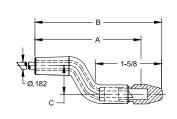
SHANKS FOR MALE CAPS WITH #4 RW TAPERS

BENT OFFSET SHANKS FOR MALE CAPS WITH #4 RW TAPERS

Part No.	Α	В
3012	1.25	1.88
3013	1.50	2.12
3014	1.75	2.38
3015	2.00	2.62
3016	2.25	2.88
3017	2.50	3.12
3018	2.75	3.38
3019	3.00	3.62
30112	3.25	3.88
30114	3.50	4.12
30116	3.75	4.38
30118	4.00	4.62



Part No. A B C 3019-08 2.62 3.37 0.50 3019-12 2.56 3.31 0.75
3019-12 2.30 3.31 0.73
30112-12 2.81 3.56 0.75
30112-16 2.37 3.12 1.00
30116-16 2.87 3.62 1.00
30116-20 2.62 3.37 1.25



Bent Dimensions for Reference Only

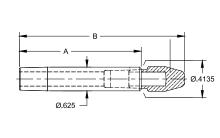




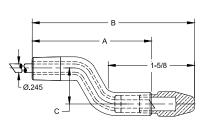
SHANKS FOR MALE CAPS WITH #5 RW TAPERS

BENT OFFSET SHANKS FOR MALE CAPS WITH #5 RW TAPERS

Part No.	Α	В	
3022	1.25	2.00	
3023	1.50	2.25	
3024	1.75	2.50	
3025	2.00	2.75	
3026	2.25	3.00	
3027	2.50	3.25	
3028	2.75	3.50	
3029	3.00	3.75	
30212	3.25	4.00	
30214	3.50	4.25	
30216	3.75	4.50	
30218	4.00	4.75	
30220	4.25	5.00	l
30222	4.50	5.25	



Part No.	Α	В	C
3028-08	2.37	3.12	0.50
3028-12	2.31	3.06	0.75
30212-12	2.81	3.56	0.75
30212-16	2.37	3.12	1.00
30214-12	3.06	3.81	0.75
30214-16	2.62	3.37	1.00
30214-20	2.37	3.12	1.25
30216-16	2.87	3.62	1.00
30216-20	2.62	3.37	1.25
	3028-12 30212-12 30212-16 30214-12 30214-16 30214-20 30216-16	3028-08 2.37 3028-12 2.31 30212-12 2.81 30212-16 2.37 30214-12 3.06 30214-16 2.62 30214-20 2.37 30216-16 2.87	3028-08 2.37 3.12 3028-12 2.31 3.06 30212-12 2.81 3.56 30212-16 2.37 3.12 30214-12 3.06 3.81 30214-16 2.62 3.37 30214-20 2.37 3.12 30216-16 2.87 3.62



Bent Dimensions for Reference Only





SHANKS FOR MALE CAPS WITH #6 RW TAPERS

BENT OFFSET SHANKS FOR MALE CAPS WITH #6 RW TAPERS

				_
Part No.	Α	В		
3043 3044	1.50 1.75	2.62 2.88	B →	
3045 3046	2.00 2.25	3.12 3.38	A ————————————————————————————————————	H
3047	2.50	3.62		
3048 3049	2.75 3.00	3.88 4.12	Ø.4995	Γ
30412	3.25	4.38	<u> </u>	
30414	3.50	4.62		
30416	3.75	4.88	Ø.750 →	
30418	4.00	5.12		
30420	4.25	5.38		
30422	4.50	5.62		ı

	Part No.	Α	В	С	В В
	30412-08 30412-12 30414-12 30416-16 30420-20	2.62 2.56 2.75 2.87 3.12	3.75 3.69 3.88 4.00 4.25	0.50 0.75 0.75 1.00 1.25	A — 1-7/8
5					Ø.245
	Bent Dime	nsions	for Refe	erence (Only



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