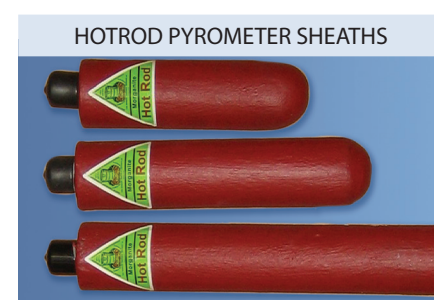
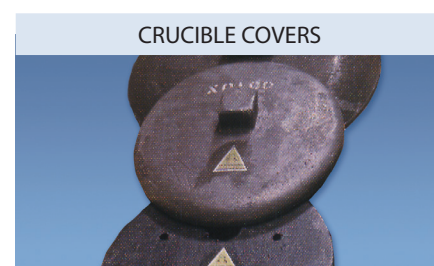


CRUCIBLE ACCESSORIES



DESCRIPTION

Morgan Molten Metal Systems manufactures a full line of accessories to complement its extensive crucible range.

PRODUCT RANGE

Crucible Accessories:

- Crucible Stands
- Muffle Rings (rings increase the cold charge capacity of the crucible and can improve melt times)
- Crucible Covers
- Spouts and Spout Extensions
- Crucible Lifters

Foundry Products*:

- Hot Rod Pyrometer Sheaths
- Launderers and Tubes
- Ladle Bowls
- Degassing Tubes
- Plunger Mixers and Plunging Bells
- Cements and Castables
- Plates and Tiles
- Needle Valves and Nozzles/Down Spouts

APPLICATIONS

EXCEL E stands and muffle rings are used in conjunction with **EXCEL E** and **ISO-ALUSTAR** crucibles for aluminium alloy and zinc applications in electric resistance and gas-fired furnaces. **EXCEL** stands and muffle rings are used in conjunction with **EXCEL**, **HI-MELT** and **ULTRAMELT** crucibles intended for copper alloy and precious metal applications in gas and oil-fired furnaces.

SALAMANDER crucible accessories are available as spout extensions to increase pouring length and covers to exclude impurities from the melt. In addition a comprehensive range

of graphitic Foundry products are offered in the form of both shaped and packaged refractories. We also supply crucible lifting devices.

TYPICAL METAL CASTING TEMPERATURE

Excel E Accessories: 650 - 1000°C (1202 - 1832°F)
Excel Accessories: 900 - 1400°C (1652 - 2552°F)
Salamander Accessories: 1000 - 1600°C (1832 - 2912°F)

PERFORMANCE CHARACTERISTICS

- Optimised glaze coatings tailored for specific temperature ranges
- Excellent thermal conductivity and shock resistance
- High resistance to oxidation
- Good wear resistance
- Good resistance to corrosive attack by chemical treatment agents
- Consistent performance
- High refractoriness
- Non-wetting properties

QUALITY

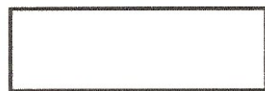
Crucible accessories are manufactured from premium grade raw materials under an ISO 9001:2008 quality management system.

SAFETY

Proper safety clothing must be worn at all times. Ensure that no moisture is introduced into the melt and that all refractories and tools are dry before coming into contact with molten metal. Provision should be made underneath the furnace to catch metal that may be discharged.

EXCEL / EXCEL E STANDS (XRX/XRX E)					
	TOD (mm)	BOD (mm)	HT (mm)	Spigot	Type
XRX135	150	150	60		1
XRX138	200	200	75		1
XRX358	200	200	150		1
XRX155	250	250	50		1
XRX175	250	250	75		1
XRX102	250	250	100		1
XRX732	250	250	150		2
XRX739	250	250	250		2
XRX735	250	250	75	Y	3
XRX1105	250	250	125	Y	3
XRX104	250	250	250	Y	3
XRX141	250	200	125		4
XRX356	250	200	175		4
XRX369	250	200	200		4
XRX0904	250	200	125	Y	5
XRX0905	250	200	150	Y	5
XRX530	250	200	175	Y	5
XRX2610	300	300	200		2
XRX2611	300	300	300		2
XRX1205	300	300	125	Y	3
XRX1407	300	300	175	Y	3
XRX2612	300	300	300	Y	3
XRX800	315	245	150		4
XRX177	315	245	175		4
XRX737	315	245	200	Y	5
XRX165	320	250	100		4
XRX132	320	250	125		4
XRX1306	320	250	150	Y	5
XRX731	320	250	200		4

	TOD (mm)	BOD (mm)	HT (mm)	Spigot	Type
XRX166	320	250	250		4
XRX320	350	320	50		4
XRX402	350	350	60		1
XRX401	350	350	75		1
XRX804	350	350	120		1
XRX300	350	350	100		2
XRX100	350	250	100		4
XRX202	350	250	125		4
XRX500	350	250	160		4
XRX412	350	250	175		4
XRX200	350	250	200		4
XRX1500	350	250	250		4
XRX146	381	381	51		1
XRX247	381	381	100		2
XRX145	381	381	115		2
XRX350	381	381	350		2
XRX1405	381	381	115	Y	3
XRX760	381	300	215		6
XRX425	425	425	50		1
XRX2632	425	425	75	Y	3
XRX2471	425	425	100		2
XRX263	425	425	115		2
XRX2634	425	425	115	Y	3
XRX2473	425	425	125		2
XRX2474	425	425	150		2
XRX2475	425	425	150	Y	3
XRX1100	425	425	170		2
XRX2472	425	425	200		2
XRX587	425	300	215		6



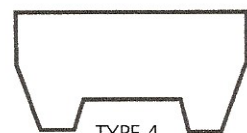
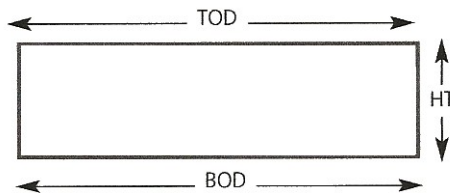
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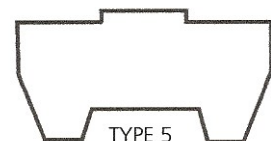
TYPE 2



TYPE 3



TYPE 4

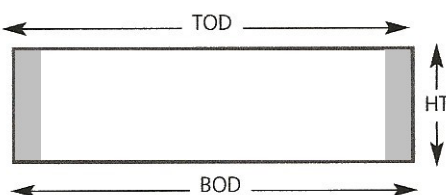


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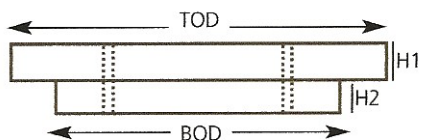


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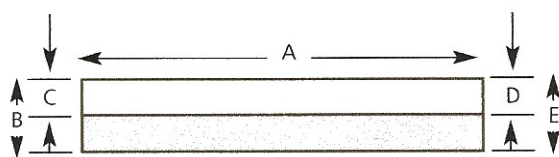
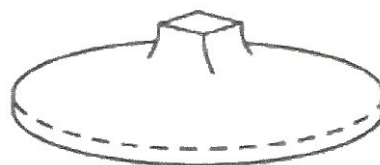
EXCEL / EXCEL E MUFFLE RINGS (XR/XR E)				
	TOD (mm)	BOD (mm)	HT (mm)	
XM71	350	350	280	
XM122	415	415	255	
XM159	527	516	305	
XM143	616	615	203	
XM302	616	616	90	
XM102	680	666	305	
XM162	775	775	240	



SALAMANDER FILTER COVERS (XO)				
	TOD (mm)	BOD (mm)	H1 (mm)	H2 (mm)
XO275	279	222	29	42
XO279	324	267	25	19
XO298	381	248	32	44
XO280	394	330	25	19

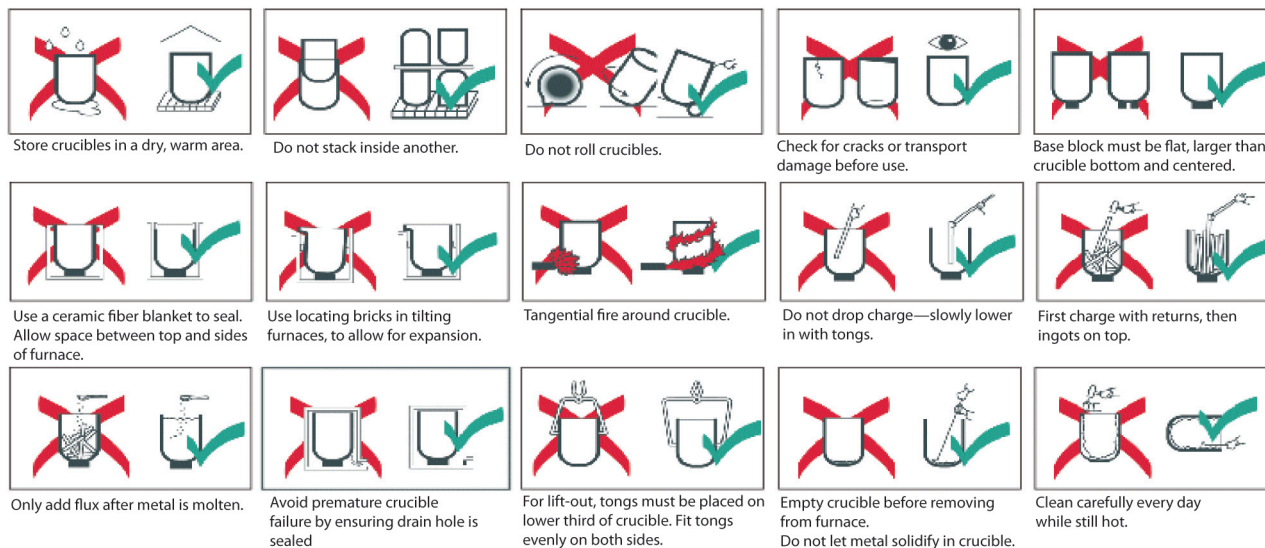


SALAMANDER STANDARD COVERS (XO)				
	TOD (mm)	HT (mm)		
XO1	75	29		
XO3	97	32		
XO5	114	38		
XO6	135	44		
XO8	149	48		
XO14	173	51		
XO20	184	57		
XO30	221	60		
XO40	245	65		
XO60	257	67		
XO102	273	70		
XO90	286	68		
XO100	317	73		
XO22R	317	76		
XO101	317	41		
XO130	336	84		
XO170	365	89		
XO250	413	108		
XO300	445	140		



SPOUT EXTENSIONS (XU/XUG)									
Pattern	A	B	C	D	E	F	G	H	I
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
XU700*	205	76	38	38	76	111	38	76	152
XU121**	292	62	35	44	83	129	89	102	171
XU982*	400	76	38	38	76	111	38	76	152
XU984*	450	76	38	38	76	111	38	76	152
*Use with TP spouted crucibles **Use with TE spouted cylindrical crucibles									
All dimensions are nominal and subject to normal manufacturing tolerances.									

CRUCIBLE CARE



Morgan Molten Metal Systems also manufacture and supply the following products:

Foundry products to complement the crucible range including:

Launders

Pyrometer sheaths

Tubes

Ladle bowls

Graphite based mouldables, castables, and cements

Ladle stoppers, needle valves and down spouts

Silicon Carbide degassing rotors

Silicon Carbide heater sheaths



For additional information on Morgan MMS' products & services or to find a location nearest to you, please visit:
www.morganmms.com