



T E R C O D\*

SILICON CARBIDE CRUCIBLES



Carbon-bonded silicon carbide

Low coefficient of thermal expansion

Excellent thermal conductivity

Excellent resistance to attack by non-ferrous metals

High strength

Excellent resistance to oxidation

High resistance to thermal shock.

CASTING THE FUTURE TOGETHER



Foseco has been associated with the metals Industry for over 75 years and today is acknowledged as a world leader in the supply of consumable products for use in the foundry industry with a presence in 32 countries and major facilities in Germany, USA, UK, Brazil, China, Japan, South Korea and India.

Our focus is on adding value for our customers through innovative service enhancements and partnerships, improved process capability, casting yield, resource utilisation and efficiency.

Foseco application expertise, foundry process knowledge and proprietary products can produce significant benefits to customers particularly in the following seven areas -

- ▶ Improvement in yield
- ▶ Reduction in inclusion rejections
- ▶ Improvement in surface finish
- ▶ Improvement in mechanical/metallurgical properties
- ▶ Improvement in productivity
- ▶ Cleaner environment, and
- ▶ Savings in energy

### Product Range

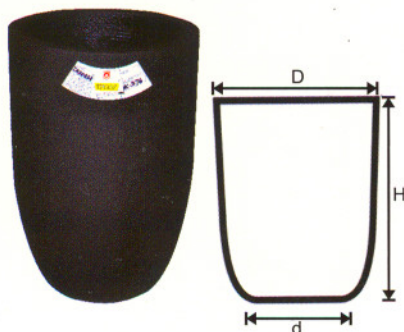
- ▶ Silicon carbide and Clay Graphite crucibles
- ▶ Rotary degaussers
- ▶ Low pressure stalk tubes
- ▶ Thermocouple sheaths
- ▶ Accessories for continuous casting (non-ferrous)
- ▶ Stoppers and nozzles
- ▶ Monolithics and precast shapes
- ▶ Ceramic filters for all metals





# CRUCIBLES : TERCOD PRODUCT RANGE

Crucible shape:  
**A**  
for stationery  
furnaces



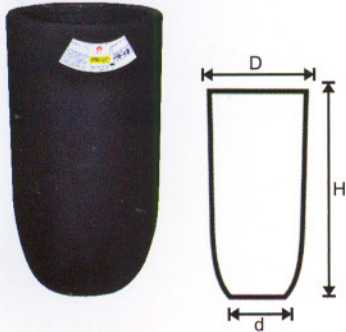
Type & Size	Height in mm	Other Dimension Top Dia. in mm	Bottom dia in mm	Spout length in mm	Water Capacity in Ltrs
AC-0.3	65	46	38	=	0.05
AC-05	90	74	50	=	0.14
AC-01	90	90	55	=	0.15
AC-02	110	102	65	=	0.3
AC-03	132	110	70	=	0.5
AC-04	140	115	75	=	0.55
AC-05	150	125	85	=	0.8
AC-06	165	130	90	=	0.9
AC-08	180	155	110	=	1.35
AC-10	200	160	115	=	1.4
AC-12	210	175	120	=	2.1
AC-15	233	177	120	=	2.5
AC-20	245	220	147	=	3.9
AC-25	270	220	147	=	4.8
AC-30	290	230	160	=	6.1
AC-35	300	268	195	=	7.8
AC-40	310	268	195	=	8.2
AC-50	330	268	195	=	8.9
AC-55	340	268	195	=	9.2
AC-60	345	288	222	=	10.05
AC-70	360	288	222	=	10.65
AC-80	385	317	230	=	15
AC-100	400	325	240	=	15.4
AC-105	410	325	240	=	15.95
AC-110	400	345	248	=	17.8
AC-120	410	345	248	=	17.95
AC-125	440	345	248	=	19.25
AC-125SH	420	345	248	=	18.1
AC-150	475	375	230	=	26.15
AC-151	420	375	230	=	
AC-160	485	375	230	=	27
AC-185	505	376	230	=	27.3
AC-185H	535	376	230	=	
AC-200	505	400	285	=	30.05
AC-210	505	438	240	=	36.1
AC-225	525	438	240	=	39
AC-250	555	438	240	=	41.85
AC-275	608	438	240	=	48.25
AC-275SH	635	438	240	=	
AC-300	582	445	325	=	48.6
AC-300H	622	445	325	=	52.5
AC-325	595	473	254	=	56.65
AC-350	610	475	254	=	57.6
AC-350H	760	475	254	=	75.6
AC-360	645	475	254	=	61.55
AC-360H	710	475	254	=	69.35
AC-375	665	475	254	=	64.15
AC-376	700	475	254	=	
AC-400	665	528	315	=	81.25
AC-450	665	540	330	=	82.5
AC-500	710	528	315	=	87.25
AC-550	710	540	330	=	89.75
AC-800HW	802	530	315	=	98.05
AC-600	762	530	315	=	94.8
AC-650	762	540	330	=	95
AC-600HW	762	530	315	=	92.7
AC-650HW	762	540	330	=	93.25
AC-625	728	577	355	=	103.75
AC625H	765	580	355	=	-
AC690	820	580	355	=	119.3
AC-675	800	580	355	=	115.45
AC-800	808	530	315	=	102.8
AC-850	808	540	330	=	103



Crucible shape:

**TP**

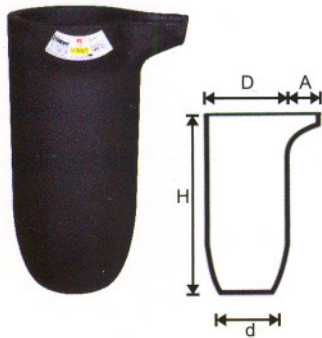
for over top crucibles for lifting furnaces



Type & Size	Height in mm	Other Dimension		Bottom dia in mm	Spout length in mm	Water Capacity in Ltrs
		Top Dia. in mm				
TPC-07	730	438		295	=	62.65
TPC-08	805	440		295	=	70.9
TPC-09	890	440		295	=	78.9
TPC-10	953	440		295	=	85.75
TPC-15	980	540		360	=	127.65
TPC-15 SH	890	540		360		116.25
RC-450	760	480		320		
RC-600	940	485		320		

**TP**

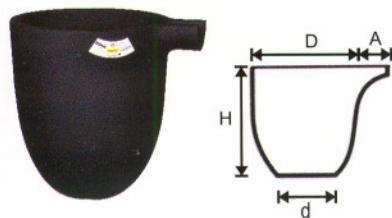
with integral spout for tilting furnaces



Type & Size	Height in mm	Other Dimension		Bottom dia in mm	Spout length in mm	Water Capacity in Ltrs
		Top Dia. in mm				
TPC-982	805	440		295	155	66
TPC-89	775	540		310	133	88.45
TPC-89H	800	580		355	146	108.7
TPC-140	762	445		445	265	70.5
TPC-70	632	390		390	190	48.15
TPC-12	955	440		295	152	
TPC-16	970	540		360	121	
TPC-125	640	440		250	145	
TPC-200	790	480		280	138	

**BASIN**

with integral spout for tilting furnaces



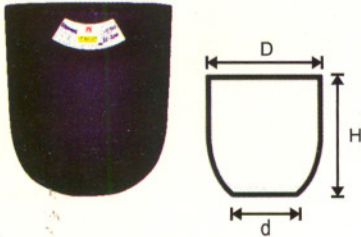
Type & Size	Height in mm	Other Dimension		Bottom dia in mm	Spout length in mm	Water Capacity in Ltrs
		Top Dia. in mm				
TPC-287	610	530		320	146	67.2
TPC-387	630	610		355	160	96.9
TPC-400	603	377		205	146	28.2
TPC-412	820	610		355	160	131.9
TPC-412H	900	615		355	160	155.6
TPC-587	905	788		360	177	234.05
TPC-587	905	788		360	200	234.05
TPC-600	805	377		205	150	43.05
TPC-700	980	850		350	200	260
TPC-800	1000	886		360	260	
TPC-843	680	430		254	154	455
TPC-900H	1000	886		505	200	345
TPC-1000H	1150	886		505	200	396
TPC-1000T	1050	960		550	200	394
TPC-1001	1075	1000		400	225	-



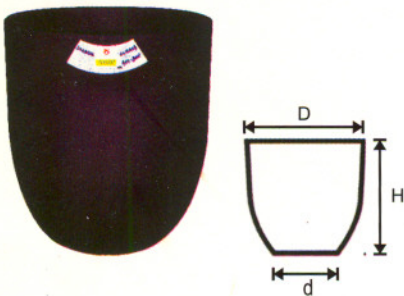
Crucible shape:

**BASIN**

for baleout &amp; holding furnaces

**BASIN**

for baleout &amp; holding furnaces

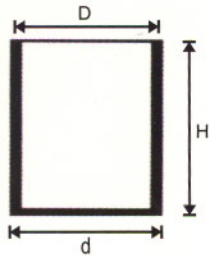


Type & Size	Height in mm	Other Dimension		Bottom dia in mm	Spout length in mm	Water Capacity in Ltrs
		Top Dia. in mm				
BC-100	405	525		254		48
BC-125	455	525		254		56.5
BC-150	505	528		254		65.05
BC-175	552	528		254		68.3
BC-200	605	530		254		74.85
BC-250	635	645		255		127.85
BC-300	695	645		255		143.6
BC-600	578	720		350		130.05

Type & Size	Height in mm	Other Dimension		Bottom dia in mm	Spout length in mm	Water Capacity in Ltrs
		Top Dia. in mm				
BUC-60	394	403		200		28.35
BUC-70	432	403		200		31.3
BUC-100	402	525		310	=	41.9
BUC-125	455	528		310		50.4
BUC-150	500	528		310	=	58.45
BUC-160	485	590		240		66
BUC-175	551	532		310	=	65.5
BUC-190	600	540		330		74
BUC-195	620	540		330		77.2
BUC-200	600	535		310	=	73.6
BUC-210	620	535		310	=	76.55
BUC-215	500	615		355		81
BUC-250	630	615		355	=	103.85
BUC-250 SB	560	590		240		83.6
BUC-252	600	775		460		
BUC-255	813	540		330		105.3
BUC-256	520	715		345		119
BUC-280	480	715		345		
BUC-299	588	720		345		135
BUC-300	700	615		355	=	123.15
BUC-350	820	615		355	=	147.7
BUC-350 SH	800	615		355		144.7
BUC-352	600	720		345		
BUC-385	690	720		300		164
BUC-390	635	780		360	-	
BUC-400	900	615		355		163
BUC-450	680	850		350		188
BUC-453	550	850		350		
BUC-455	1050	615		355		189
BUC-460	800	720		345	-	202
BUC-500	755	785		360	=	203.75
BUC-502	750	886		360	-	-
BUC-505	1150	615		355		208
BUC-520	940	720		381	-	223
BUC-570	750	850		350		209
BUC-600	905	785		360	=	255.95
BUC-602	800	785		360		
BUC-630	1143	720		381	-	
BUC-650	850	850		350		237
BUC-650 H	750	886		505		264
BUC-750	980	850		350		278
BUC-575	1041	720		381	-	
BUC-750 H	880	886		505		328
BUC-760	900	886		360	-	310
BUC-860	1000	886		360	-	348
BUC-900 H	1000	886		505		385
BUC-900	990	1000		400		414
BUC-945H	1050	886		505	-	
BUC-1000	1050	1000		400		442
BUC-1000 H	1150	886		505		443
BUC-1000 T	1050	960		550		444
BUC-1050	1140	886		360	-	



**STRAIGHTW ALL**  
for induction melting furnaces



Type & Size	Height in mm	Other Dimension		Bottom dia in mm	Spout length in mm	Water Capacity in Ltrs
		Top Dia. in mm				
CY-390540	540	390		390		
CY-390660	660	390		390		
CY-445660	660	445		445		
CY-775750	750	775		775	-	242
CY-359660	660	359		359		

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