

INTRODUCTION

Precast fittings

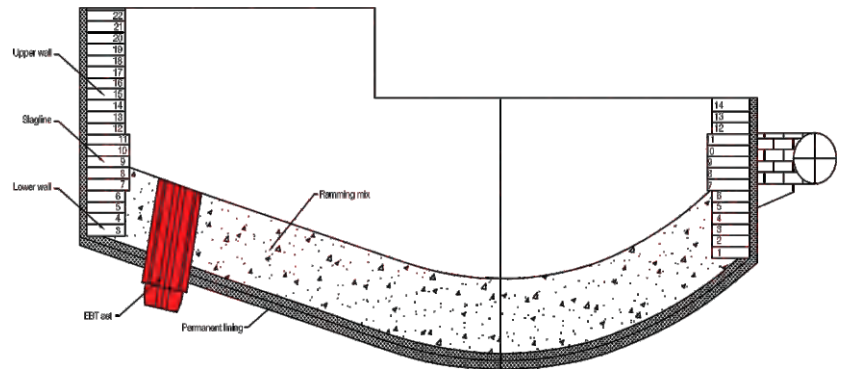


EBT-Eccentric bottom tapping leads to slag-free tapping, shorter tap-to-tap times. It can also reduce refractory lining and electrode consumption thus help remarkably save operation cost for steel-makers in EAF furnace applications, which result in the prevailing world-wide utilization.

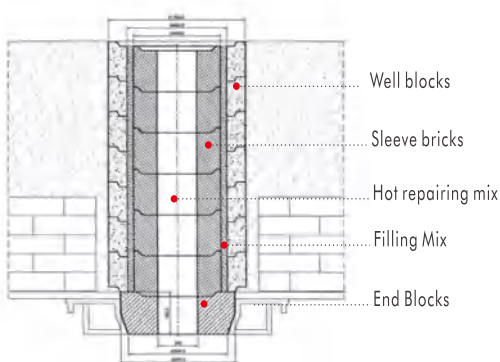
CFEE series EBT set consists of inner sleeve bricks, surrounding well blocks and end blocks with premium raw materials selection, superior grain size distribution design, optimal processing and delicate inspection which guarantee the stable and top-end quality products performance for our customers all over the world.

DESIGN&CONFIGURATION

Consteel's EBT set will be tailored or configured according to various elements ranges from the volume and structure of EAF furnace to the devised steel-making productivity, the working severity level and the smelting process features, etc. And therefore, in order to provide our customer with the most durable EBT which come from not only Consteel's theoretical analysis but also massive practices, please reach our sales engineer to fill the CFEE EBT client questionnaire to fuel the configuration for you.



COMPONENTS



Consteel's CFEE series EBT set is comprised by

1. special shaped bricks including the well blocks, sleeve bricks and end blocks which are designed with superior chemical corrosion & erosion resistance and thermal shock resistance.
2. high erosion & corrosion resistant specialized monolithics as hot filling mix and repairing mix.

Component bricks for EBT set

Images	Name	Function
	CFEER series rectangular well blocks	To attach the sleeve bricks with EAF hearth mainbody
	CFEES series inner sleeve bricks	To withstand the corrosion, erosion and thermal shock of molten steel with direct contact
	CFEEE series end blocks	To support the above two bricks from the bottom

COMPOSITION&PROPERTY

CFEE series EBT component bricks are made with high pressure molding and possess features as high intensity, optimal resistance to slag, excellent thermal shock resistance and high refractoriness under load. For the compositions and thermodynamic properties of four EBT shaped fittings and the unshaped refractory, please refer to the sheet as following.



Precast fittings

Consteel SN	Chemical composition analysis(wt%)					Carbon Content	Physical properties			Anti-oxidant	Grade	Applicable zone
	MgO	Al ₂ O ₃	Fe ₂ O ₃	SiO ₂	SiC	C%	B.D	A.P	C.C.S			
							g/cm ³	%	Mpa			
CFEER-Y12-3S	97.5	1	0.5	0.8	1	12	3.01	3	40	Y	Standard	Sleeve
CFEER-Y14-3P	98.1	1	0.6	0.5	1.5	14	2.98	3	38	Y	Premium	
CFEES-N10-3S	97	1	0.8	0.6	-	10	2.95	3	45	N	Standard	Surround End
CFEEE-Y10-3S	-	66	0.5	0.4	8	10	2.75	2.8	40	Y	Standard	
CFEEE-Y12-3P	-	66	0.6	0.5	10	12	2.71	2.8	40	Y	Premium	
CMEF	-	-	-	-	-	-	-	-	-	-	-	Filling mix

Note:
The above parameters are for customers' reference only and the particular bricks configuration will be conducted by our detail-oriented engineers according to the various parameters like the EAF type, tap-to-tap time, melting temperature, molten steel constituent and customers' requirement. etc

