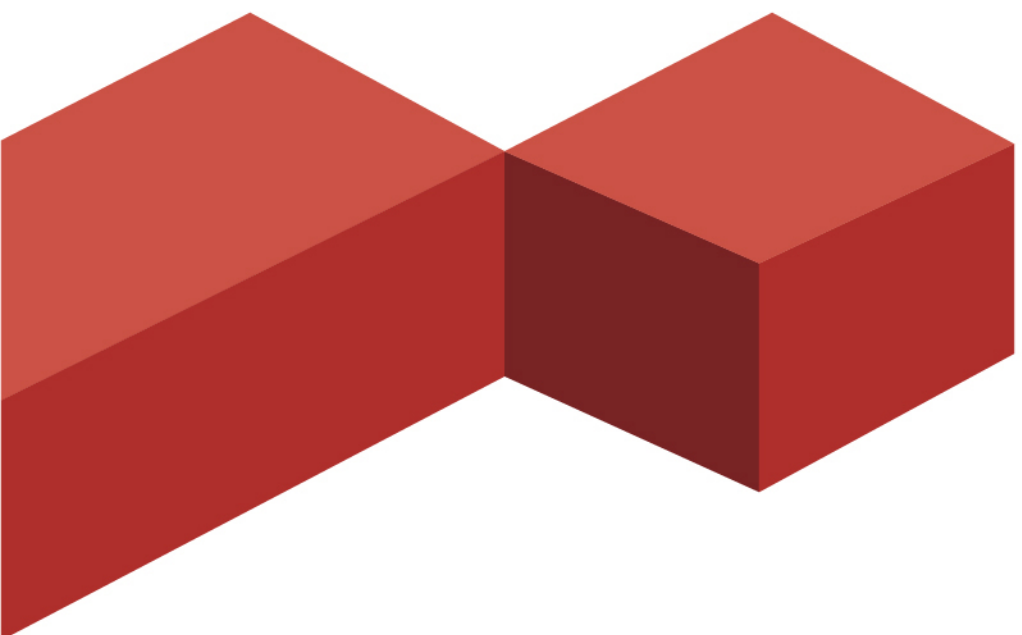


SLIDE GATE REFRACTORIES

PRODUCT CATALOG





ABOUT LONG KETER

Based in Zibo, China P.R., which is located in the center of Shandong Province, famous for its heavy industry, particularly in ceramic & refractories manufacturing. Keeping the concept "Make Energy Efficiency Simpler" in mind, striving to be the most reliable supplier in refractory and insulation material industry worldwide, years of non-stop innovation and team-working transformed us to be now

a leading supplier of refractory and insulating materials in this field.

LONG KETER committed to developing and manufacturing high quality products for its customer. customers accept our products at first, then gradually getting fond of them, and finally they find that they have already relied on them. up to now, we have established cooperative relationships

with many giant companies in refractory field.

We are continue to serve all of our customers with best products and services. we are always on the road and never stop!



TUNDISH SLIDE PLATE

中间包滑板

- To meet the needs of continuous casting for tundish and reducing steel making costs, we have developed a series of tundish slide plate. The main materials of tundish slide plate are aluminum-carbon and aluminum-zirconium-carbon, which adopts tabular alumina and high pure graphite, added in proper amount of additive and antioxidant, used phenolic resin as binder, shaped under 1,000 ton press machine. The products can fit for various tundish.
- 为满足中间包连铸的需要,降低炼钢成本,我公司开发出专门供中间包浇注使用的滑板水口系列产品。主要材质是铝碳和铝锆碳,以板状刚玉、氧化锆、高纯石墨为主要原料,并添加适量的添加剂和抗氧化剂,以酚醛树脂为结合剂,经自动压力机成型以及适当温度烘干或烧成为客户所需的各种牌号的产品,可以应用于各型号中间包。

	项目 Item	HBLT-70	HBLT-75	HBLT-80	HBLT-85	HBLT-86
理化指标 Specifications	Al ₂ O ₃ , %≥	70	75	80	85	86
	C, %≥	7	7	5	5	4
	显气孔率(A.P.), %≤	10	10	8	10	7
	体积密度(B.D.), g/cm ³ ≥	2.8	2.9	3.0	3.0	2.95
	常温耐压强度(C.C.S), MPa≥	65	70	100	100	100



LADLE UPPER NOZZLE

钢包上水口

- The upper nozzle made of tabular alumina, white fused alumina, sintered spinel, flake graphite, antioxidants and phenolic resin etc, which has the advantages of excellent thermal shock stability, good oxidation resistance and high corrosion resistance. suitable for all kinds of ladle.
- 公司采用板状刚玉、白刚玉、烧结尖晶石、鳞片石墨、抗氧化剂及酚醛树脂等研制生产的钢包上水口具有热震稳定性优良、抗氧化能力突出、抗冲刷能力强等特点, 适合于各种钢包。

	项目 Item	LT-75	LT-80	LT-85
理化指标 Specifications	Al ₂ O ₃ , % ≥	75	80	85
	C, % ≥	5	5	5
	显气孔率(A.P.), % ≤	12	10	10
	体积密度(B.D.), g/cm ³ ≥	2.85	2.90	3.00

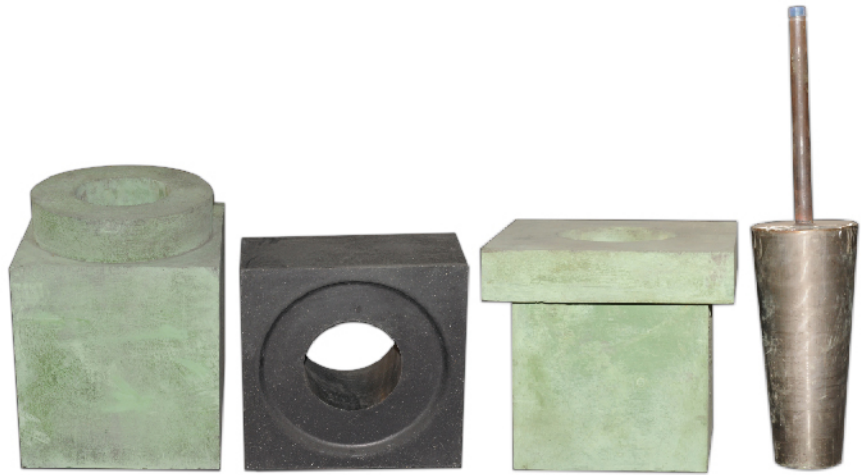


COLLECTOR NOZZLE

钢包下水口

- The collector nozzle made of tabular alumina, white fused alumina, bauxite, flake graphite, antioxidants and phenolic resin ect, which has the advantages of excellent thermal shock stability, strong corrosion resistance and unbreakable etc
- 我公司采用板状刚玉、白刚玉、高铝矾土、鳞片石墨、抗氧化剂及酚醛树脂等研制生产的钢包下水口具有热震稳定性优良、抗冲刷能力强、不易断裂等特点。

	项目 Item	LTX-65	LTX-75	LTX-85
理化指标 Specifications	Al ₂ O ₃ , % ≥	65	73	83
	C, % ≥	2	3	3
	显气孔率(A.P.), % ≤	14	12	10
	体积密度(B.D.), g/cm ³ ≥	2.75	2.80	2.85



WELL BLOCKS & POROUS PLUGS

座砖 透气砖

- The main materials of well blocks & porous plugs are chromiun-corundum and corundum-spinel. Our company adopting tabular alumina, emery, chromium oxide green and magnesium aluminate spinel as main raw materials, using cement as binder to produce directional slit porous plug, which has the advantages of good structural stability, high air permeability, strong corrosion resistant and long service life etc.
- 主要材质有铬刚玉和刚玉尖晶石质两种。以板状刚玉、刚玉砂、氧化铬绿、镁铝尖晶石为主要原料,以水泥为结合剂制成的直通狭缝式透气砖,产品具有结构稳定、吹成率高、抗冲刷、耐侵蚀、寿命长等优点。

	项目 Item	刚玉尖晶石 Corundum-Spinel	铬刚玉 Chrome-Corundum
理化指标 Specifications	$Al_2O_3+MgO, \% \geq$	92	----
	$Al_2O_3+MgO+Cr_2O_3, \% \geq$	----	95
	体积密度(B.D.), $g/cm^3 \geq$	3.10	3.10
	抗折强度(HMOR)Mpa (1500°CX3h) \geq	15	15
	耐压强度(C.C.S.)Mpa (1500°CX3h) \geq	80	90



TUNDISH METERING NOZZLE

定径水口

- The Tundish metering nozzle is one of the refractories for billet continuous casting, which controls the flow rate of molten steel. It is necessary to ensure the normal continuous casting of molten steel through the sizing nozzle evenly and stably. Therefore, the sizing nozzle must have good corrosion resistance and thermal stability.
- 定径水口是小方坯连铸用的耐火材料之一，起到控制钢水流量的作用。钢水均匀稳定地通过定径水口流入结晶器，是保证连铸正常进行的必要条件。因此，定径水口必须具备良好的抗侵蚀性和热稳定性。

		Zirconia Inserts			Outer Block		
		LKZN-L	LKZN-M	LKZN-H	LKTN75	LKTN85	LKTN90
理化指标 Specifications	物理指标 Physical Properties						
	显气孔率 Apparent Porosity(%)	11-12	8-10	6-8	20	18	16
	体积密度 Bulk Density(g/cm ³)	≥4.9	≥5.2	≥5.3	2.6	2.8	3.0
	化学指标 Chemical Analysis(%)						
	ZrO ₂ +HfO ₂	≥94.0	≥95.5	≥96	/	/	/
	SiO ₂	1.1	0.23	0.5	20	13	8
	TiO ₂	0.2	0.2	0.1	3	2.1	0.3
	Fe ₂ O ₃	0.5	0.05	0.05	2.5	2.0	0.58
	Al ₂ O ₃	0.4	0.42	0.1	≥75	≥85	≥90
	CaO	0.2	0.15	0.15	0.2	0.1	0.20
	MgO	2.5	2.4	2.4	0.2	0.1	0.06
Na ₂ O	0.03	0.01	0.01	0.6	0.5	0.3	



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