

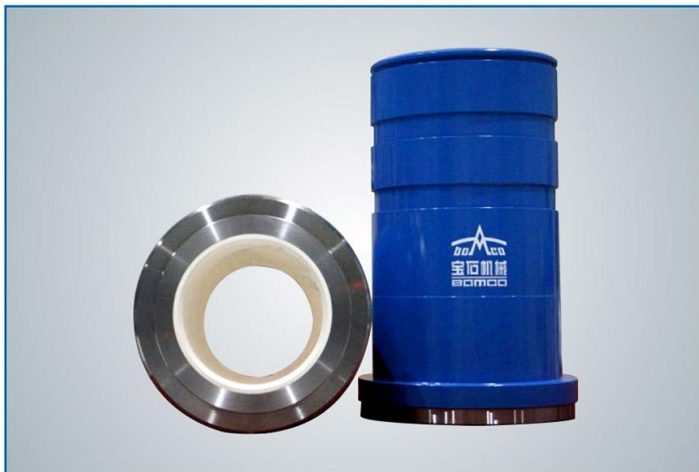


泥浆泵用陶瓷缸套

CERAMIC LINER FOR MUD PUMP

陶瓷缸套产品特点

- 耐磨性：与传统的双金属缸套相比，其寿命提高10倍以上，使用寿命可达4000小时以上。
- 表面质量：F泵系列陶瓷缸套，陶瓷内衬微观组织结构均匀，表面经过多次精细加工，具有良好的光洁度与光泽度。
- 机械性能：由于采用了相变增韧技术，使得材料的强度、硬度、韧性以及抗热震性能均大幅度提升，具有优越的综合机械性能。
- 综合成本：与传统的双金属缸套以及单相氧化铝缸套相比，由于综合性能的改善与提高，可以显著降低维护、人工、储存、运输等综合成本。



PRODUCT FEATURE

- Excellent wear resistance: Compared with the traditional bimetallic liner, its life span is increased by more than 10 times and the service life is up to 4000 hours.
- Good surface quality: ceramic liner of F series pump has ceramic lining of uniform micro-structure, the surface has been under fine processing many times, with good finish and gloss.
- Excellent mechanical properties: As a result of the use of phase transformation toughening technology, the material strength, hardness, toughness and thermal shock resistance have been greatly improved, with superior integrated mechanical properties.
- Lower Cost: Compared with the traditional bimetallic liner and single-phase alumina liner, it can significantly reduce the maintenance, labor, storage, transportation and other costs, due to improved overall performance.



宝石泥浆泵陶瓷缸套型号 TYPE OF BOMCO MUD PUMP CERAMIC LINER

序号 NO.	型号 Type				
	F1300/1600	F800/1000	F2200HL	F1600HL	
规格 Type	1	4 1/2 "	4 1/2 "	130	130
	2	5 "	5 "	140	140
	3	5 1/2 "	5 1/2 "	150	150
	4	6 "	6 "	160	160
	5	6 1/2 "	6 1/2 "	170	170
	6	7 "	110	180	180
	7	130	120	190	
	8	140	130	200	
	9	150	140	210	
	10	160	150	220	
	11	170	160		
	12	180	170		

陶瓷缸套技术性能参数 TECHNICAL PARAMETER

项目 Item	复合材料 (ZTA)
成分 Ingredient	氧化锆 Zirconia
体积密度 Volume density,g/cm ³	≥4.1
抗弯强度 Flexural strength,MPa	≥400-600
断裂韧性 Fracture toughness,MPa.M1/2	≥4-6
洛氏硬度 Rockwell hardness,HRA	≥88
工作面粗糙度 Face roughness, μ m	≤0.20
抗压强度 Compressive strength,MPa	≥3000
耐磨性 Abrasion resistance,cm ³	0.20
抗热震性 Thermal shock resistance	≥450℃
使用寿命 Service life,h	≥4000