

Notices Online Q&A

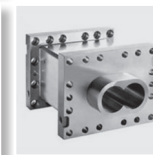
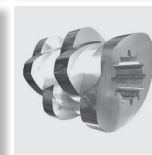
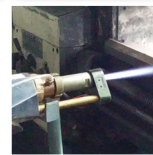
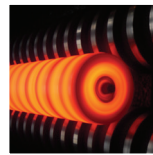
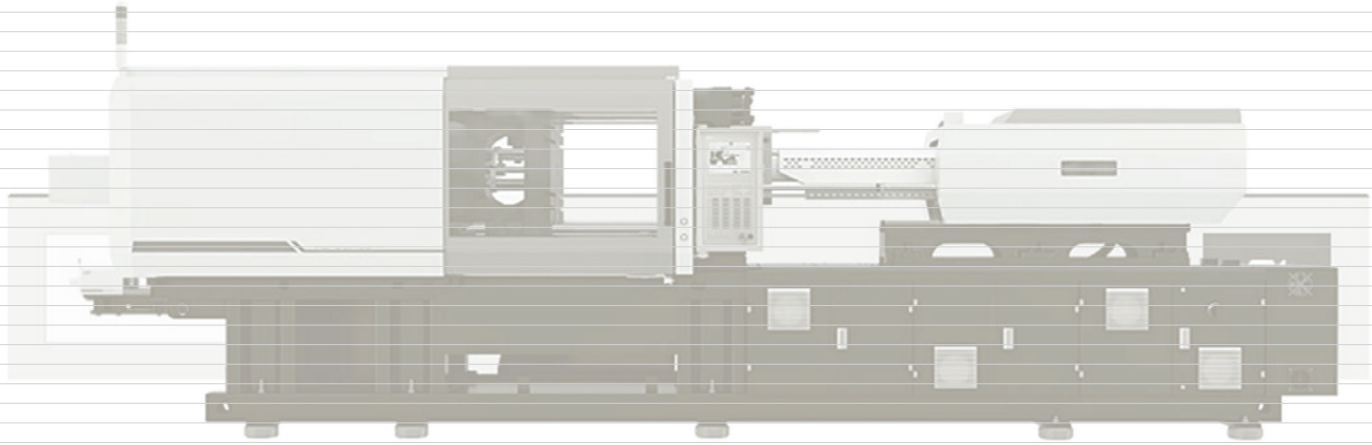
Barrels  Screws

HB-ALLOY HYUNDAI BOTEKO

We are confident that our products can compete with any other barrel imported to Korea.



www.hbbimetal.co.kr



HYUNDAI Bimetallic Barrel·Screw
현대 바이메탈 실린더·스크류

HB-ALLOY



HYUNDAI BOTEKO Co.,Ltd.




기업 부설 연구소
 Research & Development Center
 (주) 현대 보테코



회사연혁

- 1982. 05 현대보테코 창립
- 1992. 04 상공부 선정(생산기반기술) 바이메탈 실린더 개발업체로 선정
- 1994. 12 바이메탈 실린더 개발 완료
- 1995. 08 내마모 내부식 스크류 개발 완료
- 1996. 04 LG전선 협력회사 선정
- 1999. 09 산업자원부 선정(생산기반기술) 50톤급 전동식 사출성형기 LG전선과 공동개발 선정
- 2000. 02 경기도 선정 해외시장 개척 지원 업체로 선정
- 2000. 03 중소기업 기술혁신 개발 사업 선정(트라이볼로지 표면처리 기술을 이용한 고성능 스크류 개발)
- 2000. 11 시화공단 확장이전
- 2003. 12 HBM80 모재 개발. 텅스텐알로이(W-ALLOY) 개발 완료
- 2005. 03 동신유압 협력회사 선정
- 2005. 10 시화공단 2공장 신축(공장자동화시스템 확장 M.C.T 설치)
- 2009. 10 베트남플러스 2009 참가(호치민)
- 2009. 11 벤처기업 등록
- 2010. 04 차이나플러스 2010 참가(상하이)
- 2011. 05 차이나플러스 2011 참가(광저우)
- 2011. 12 인도네시아 공장설립
- 2012. 05 우진플라임 협력회사 선정
- 2013. 11 2013 인도네시아 플라스틱 & 고무 전시회 참가
- 2014. 01 GMI(공명인덕션)히터 개발완료
- 2015. 01 2공장 증축
- 2015. 03 Koplax 2015 제23회 국제 플라스틱 고무전시회 출품
- 2016. 03 부설 기술연구소 설립
- 2016. 05 ISO 9001:2008 품질인증
- 2016. 10 텅스텐 바이메탈 스크류 코팅 개발완료
- 2016. 11 2016 인도네시아 플라스틱 & 고무 전시회 참가



COMPANY HISTORY

- 1982. 05 Established HYUNDAI BOTEKO
- 1992. 04 Selected by the ministry of commerce and Industry as bimetal barrel developer
- 1994. 12 Completion of bimetal barrel development
- 1995. 08 Completion of wear and corrosion resistance screw development
- 1996. 04 Cooperation with LG Cable.
- 1999. 09 Selected by the ministry of commerce, industry and energy as developer of electric injection molding machine in the 50ton class with LG Cable
- 2000. 02 Support of Gyeonggi-do for pioneer of new foreign market
- 2000. 03 Selected as medium and small-sized enterprises technical innovation company high effectiveness screw development, using tribology surface processing technology
- 2000. 11 Constructed Sihwa plant
- 2003. 12 Completion of backing material (HBM80) development, Completion of Tungsten Alloy (W-ALLOY) development.
- 2005. 03 Cooperation with DONGSHIN HYDRAULICS
- 2005. 10 Constructed the 2nd Plant in Sihwa (Expanded Plant automated system M.C.T installed)
- 2009. 10 Participated to the VietnamPlas 2009 (Hochiminh) Exhibition
- 2009. 11 Registered as a venture company
- 2010. 04 Participated to the ChinaPlas 2010 (Shanghai) Exhibition
- 2011. 05 Participated to the ChinaPlas 2010 (Guangzhou) Exhibition
- 2011. 12 Established a factory in Indonesia
- 2012. 05 Cooperation with WOJIN PLAIMM
- 2013. 11 Participated to the Plastic & Rubber Indonesia 2013 Exhibition
- 2014. 01 Completion of GMI(Gong Myeong High Frequency Induction) Heater development
- 2015. 01 Extend 2nd plant
- 2015. 03 Participated in KOPLAS 2015 23th international plastic rubber Exhibition
- 2016. 03 Established a R & D Center
- 2016. 05 Acquired the ISO 9001:2008 certification
- 2016. 10 Completion of Tungsten bimetallic screw coating
- 2016. 11 Participated to the Plastic & Rubber Indonesia 2016 Exhibition

HB-ALLOY

Maker of bimetallic barrel(Wear resistance and corrosion resistance)-HYUNDAI BIMETAL (HB-ALLOY)

바이메탈릭 실린더(내마모성, 내부식성)의
국내 최초메이커-현대바이메탈 [HB-ALLOY]

WITH HIGH QUALITY AND GREAT RELIABILITY

합성수지(Synthetic Resin)분야에 있어서 최근 발달은 괄목할만 하며, 그 수요 또한 여러 분야에 있어서 특히 내마모, 내부식 플라스틱 제품용에 있어서 증대 되어지고 있습니다.

또한 플라스틱 성형시 실린더의 수명연장을 위하여 내마모, 내부식이 동시에 되어지며 이러한 성질을 충족 시킬수 있는 것이 바이메탈 실린더(Bimetallic Barrel)입니다.

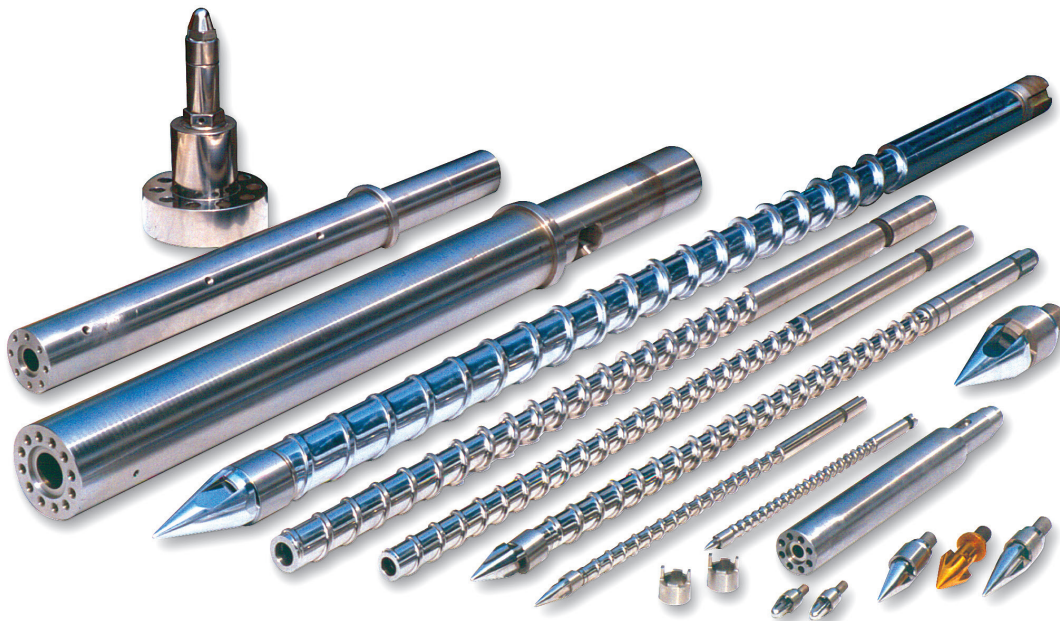
엔지니어링 플라스틱 분야에서 질화강 실린더(Nitriding Barrel)와 비교시 사출기, 압출기 등 전체 실린더 수요는 미국, 일본 99%가 바이메탈 실린더(Bimetallic Barrel)을 사용하고 있습니다.

(주)현대보테코는 바이메탈 실린더(Bimetallic Barrel)를 국내 처음으로 개발, 상공부 국산화 생산기반 기술 과제로 선정되어 기존 질화강 실린더(Nitriding Barrel)보다 수명이 6배~10배 차이가 나는 바이메탈 실린더(Bimetallic Barrel)개발에 성공하여 국내 플라스틱기계, 사출성형기, 압출성형기 및 내마모성 내부식성이 요구되는 콤팩트 산업에 기여하고 있습니다.

Growth of the company in the synthetic resin industry has been remarkable for recent years and demands for its products, especially anti-abrasion and anti-corrosion plastic products, have been significantly increasing.

Anti-abrasion and anti-corrosion processes are simultaneously possible to prolong life of barrels during molding plastics and the bimetallic barrel makes this possible. Comparing with nitriding steel barrels in the engineering plastic fields, 99% of manufacturers in the US and Japan are using bimetallic ones for their extruders, catapults, etc.

HYUNDAI BOTEKO Co. Ltd developed the bimetallic barrel first in Korea, successfully researched and developed bimetallic barrels whose life is 6 to 10 times than the existing nitriding steel barrels after designation as the Korea's Own Product and Technology Project by the Ministry of Commerce and Industry, and it is making great contribution to the Korean plastic machinery industry and the component industry that need extruders and catapults retaining high anti-abrasion and anti-corrosion capacities.





Realization of high-advanced and precision made screw and barrel resulted from accumulated know-how and continuous R & D

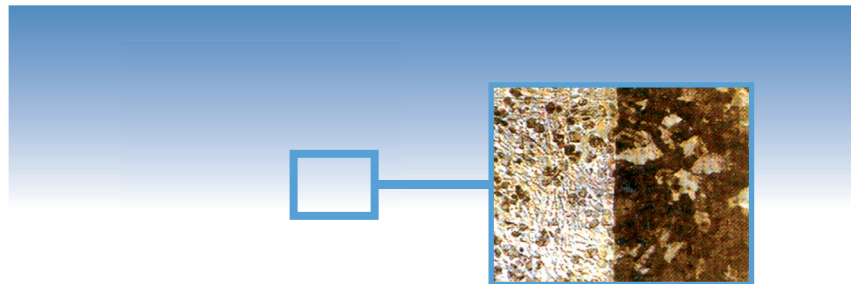
축적된 KNOW-HOW와 끊임없는 연구개발로
최첨단 고정밀을 실현한 SCREW & BARREL

STRUCTURE OF BIMETALLIC BARREL

바이메탈릭 (HB-ALLOY) 실린더의 구조

바이메탈릭 실린더는 일반 탄소강 합금강 및 내열강(SUS포함) 등을 모재로한 실린더 내부에 합금을 넣고 고온가열 처리 후 원심주조 공법으로 실린더 내경의 표면에 합금층(HB-ALLOY)을 확산 결합시킨 것으로 아래 그림과 같은 형태로 되어 있다.

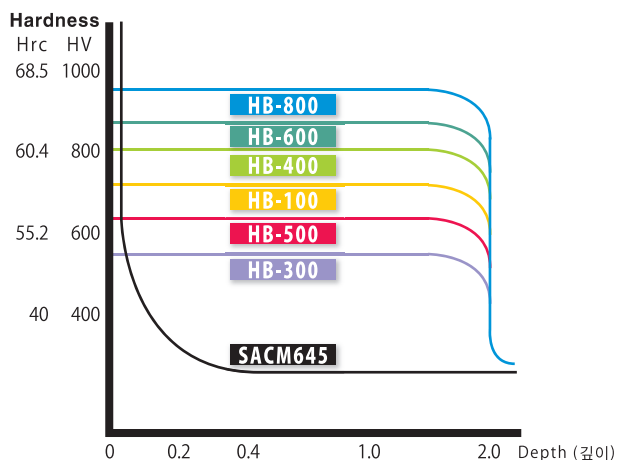
The bimetallic barrel is that it is inside of barrel main material of the normal carbon steel, alloy steel, heat-resist steel(included SUS) and it's inner part of barrel insert to alloy and after heat treat of high temperature, from centrifugal casting method, and inside of barrel alloy (HB-ALLOY) layer, to spread concentrate, it is same from side picture



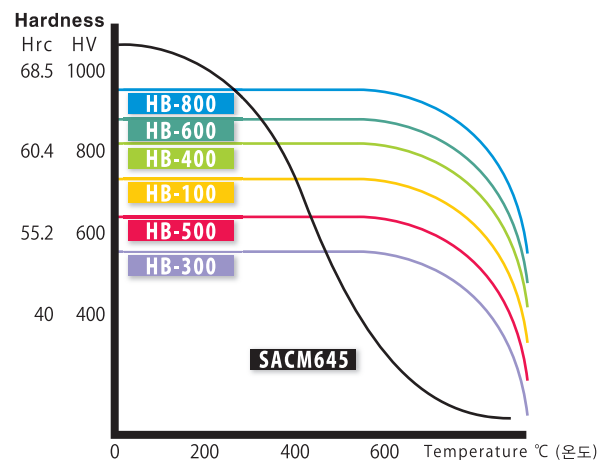
HIGH TEMPERATURE HARDNESS AND THICKNESS OF HARDENED LAYER OF HB-ALLOY

HB-ALLOY 실린더의 경화층 두께와 온도에 따른 질화강 실린더의 경도비교

✓ Hardness layers (경화층)



✓ High Temp. Hardness (고온경도)





CHARACTERISTIC OF BACKING MATERIALS

모재의 특성

Backing Material (모재) Characteristic (특성)	HBM80 신모재	S45C	SCM440	SUS304
Tensile Strength (kgf/mm ²) 인장강도	88~98	40~55	65~80	45~60
Yield Point (kgf/mm ²) 항복점	59~66	25~35	50~65	20~30
Elongation (kgf/mm ²) 연신율	15~25	15~25	10~20	35~80

외관재는 내압, 온도, 외부 사용조건에 맞춰서 탄소강, 저합금강, 스텐레스강 등으로 임의 선택할 수 있다.

Backing material can free select to carbon steel, low alloy steel, stainless steel etc. matched condition resisting pressure, temperature, outside condition.

MATCHING ACCURACY OF INNERDIA

내경 가공정도

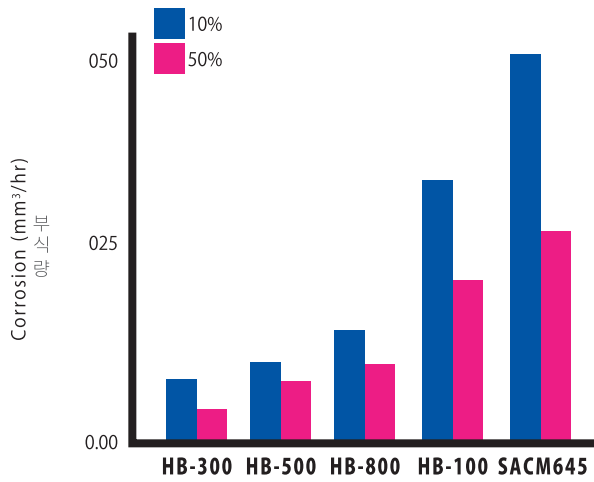
Surface Roughness 표면조도	0.2~0.8S	
Straightness(L/D=25) 조도	Inner(mm) 내경	Straightness(mm) 직진도
	~40	0.05
	40~90	0.08
	90~200	0.15
200	0.20	
Inner Diameter Tolerance 내경치수공차	H7	



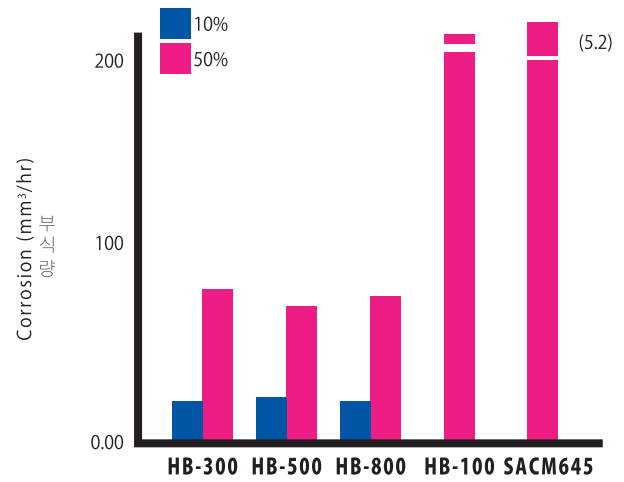
CORROSION RESISTANCE OF HB-ALLOY

HB-ALLOY의 내부식성

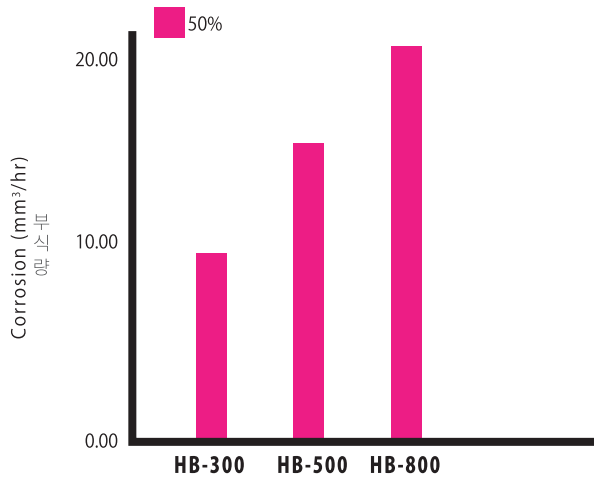
✓ Nitric Acid (질산)



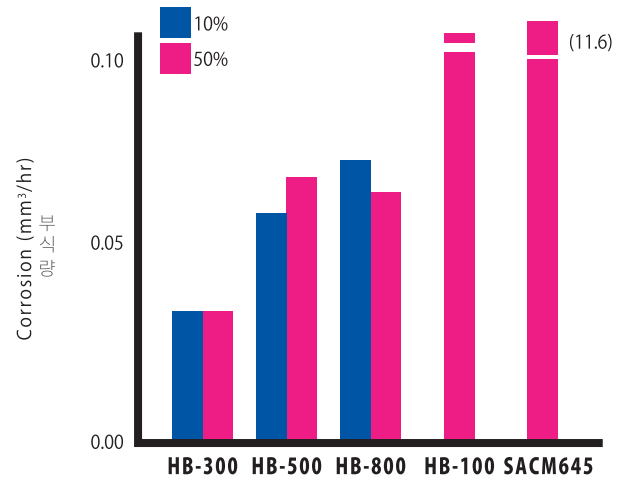
✓ HYDROCHLORIC (염산)



✓ Nitric Acid (질산)



✓ Fluroric Acid (불산)





Maker of bimetallic barrel(Wear resistance and corrosion resistance)-HYUNDAI BIMETAL (HB-ALLOY)

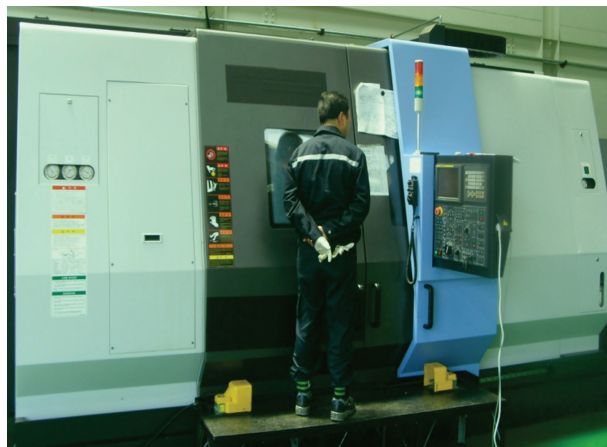
Cylinder

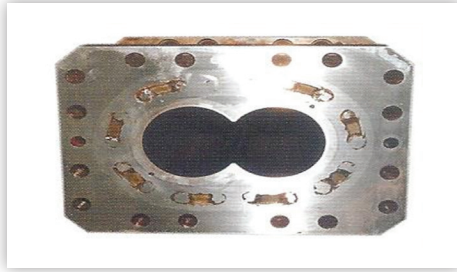
바이메탈릭 실린더 (내마모, 내부식용)의 국내 최초메이커-현대바이메탈 [HB-ALLOY]

BIMETALLIC BARREL (HB-ALLOY)

바이메탈 (HB-ALLOY) 실린더

PRODUCTS		HB-100	HB-300	HB-400	HB-500	HB-600	HB-800
Class fiber(%)		5%~10%		5%~20%		25%~35%	40%↑
Base material		Fe	Ni	Fe-Cr	Ni-Co	Fe-W-Ni	W-Co
Hardness	HRC	50~60	45~53	55~65	45~53	55~65	55~65
	HS	67~81	60~71	74~91	60~71	74~91	74~91
Application		Wear-resistant	Flouride resin	Wear-resistant Corrosion-resistance	Wear-resistant Corrosion-resistance	Wear-resistant Corrosion-resistance	Extreme Wear-resistant Corrosion-resistance
Wear-resistant		★★★★☆	★☆☆☆☆	★★★★☆	★★★★☆	★★★★☆	★★★★★
Corrosion-resistance		★★☆☆☆	★★★★★	★★☆☆☆	★★★★★	★★★★☆	★★★★☆
Manufacturing Size		ID: Ø14~250	OD: Max Ø500	Length: 5,000mm			
SCREW		STANDARD HBS-100	HBS-300 HBSC-3000	HBS-400	HBS-300 HBSC-3000	HBS-500 HBS-600 HBSC-8000 (Tungsten Coating)	HBS-600 HBS-800 HBSC-8000





Segment Barrel Oval Liner

현대보테코는 PM-HIP 기술방식을 이용하여 OVAL LINER 만들어 왔습니다.

HYUNDAI BOTEKO have taken advantage of the PM-HIP technology way to make this oval liner.

현대보테코의 트윈압출기 실린더를 만드는 기술입니다.

It technique is manufacturing the parallel Twin-barrel extruder by high- difficulty technology in HYUNDAI BOTEKO.

크롬과 철성분이 많이 함유된 종류의 OVAL LINER로 마모에 강하고 수명이 길어 많이 사용되고 있습니다.

The name of the oval liner made from one kind of high-chromium iron alloy, these years is very famous in Korea due to its high wear resistant feature and its longer service life

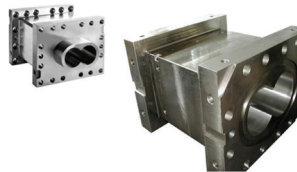
HIP 방식은 고온 ISOSTATIC PRESSING 성형법의 한 종류로, 내마모성 분말 재료가 먼저 금형 캐비티에 채워진 다음 고온 ISOSTATIC FURNACE에 상대적으로 높은 온도와 압력 하에서 재료의 분자를 압착시켜 고밀도 및 내마모 특성을 갖는 바이메탈 실린더를 만드는 방식입니다.

HIP way, that is one kind of high-temperature isostatic pressing molding method, the high wear-resistant powder material with low expansion(specially at high temperature) is filled in the mold cavity first, and then into a hot isostatic processing furnace, under a relatively high temperature and high pressure, the molecular of materials is moving speed-up under squeezing pressure, we could get a new oval liner with high-density and high-wear resistant feature.

생산품목 Products



플라스틱 화합물 개선에 사용되는 더블 세그먼트 배럴 OVAL LINER
Ellipse Oval Liner inside a Double Segment Barrel which used for Plastic Compound Modification



트윈 세그먼트 배럴 OVAL LINER
Ellipse Oval Liner inside a Twin Segment Barrel



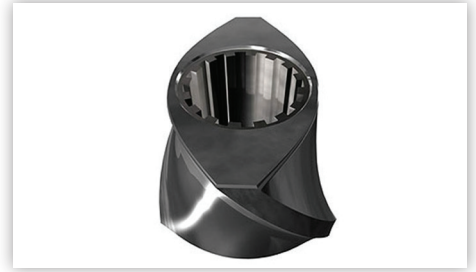
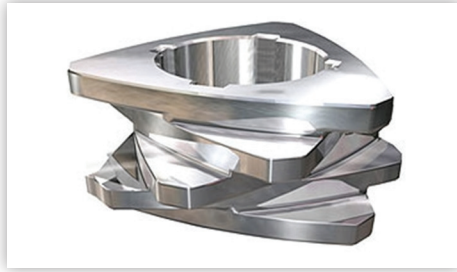
2개의 "C"형 마모방지 바이메탈 실린더의 부상타입
Two C-shaped wear resistant bimetallic barrel bushing type

Feature of Product

장력 강도	Breaking Strain	용해 온도	밀도	온도	현대보테코 Alloy 팽창 계수	보통 탄소강 팽창 계수
≥350Mpa	0.03%	2020 ~ 2060° F	≥7.50g / cm ³	15°C ~ 250°C	average 14.23×10 ⁻⁶ /OF	average of 12.68×10 ⁻⁶ /OF

Selection Tables

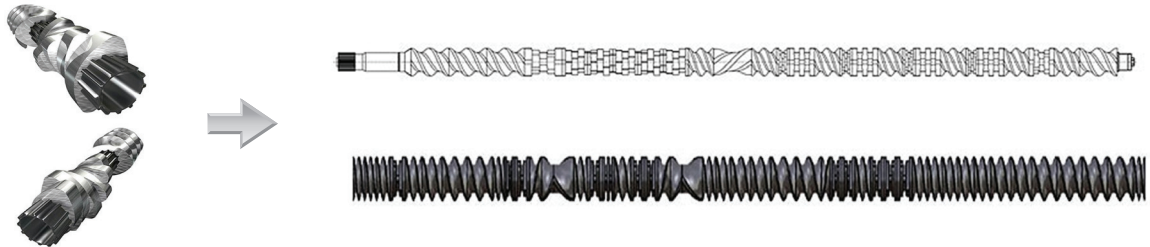
Alloy	Base	Hardness (HRC)	Wear resistance	Corrosion resistance	Thermal expansion (25 ~ 250°C)	Alloy elements(Weight- %)		
HB-101A	Fe	58 ~ 64	★★★★★	★	14.23	Cr:20	V: 8	C:2.5
HB-201A	Ni	53 ~ 58	★★★	★★★★★	10.5	Cr:18	W: 6	Mo:18
HB-301A	Co	55 ~ 61	★★	★★★★★	11.9	Cr:28	W:15	C:2.5



Segment Screw Elements

현대코테크의 실린더 및 스크류는 내마모성과 내부식성을 높이기 위해 스크류 ELEMENTS의 표면에 사용되는 나노 구조의 세라믹 코팅과 함께 스크류 ELEMENTS를 제공합니다. 현대코테크는 나노 구조의 세라믹 코팅된 실린더와 스크류 ELEMENTS를 제공하여 내구성과 안전성을 보장합니다.

HYUNDAI BOTEKO's Barrel Screw brings you a new range of highly advanced screw element that come with nano-structured ceramic coatings that are used on the surface of screw elements to get high wear resistance and corrosion resistance. We offer these barrels and screw elements that are coated with this advanced material to ensure their durability and safety.



생산품목 Products



이송 스크류 엘레먼트
Deliver Screw Elements



혼합,교반 디스크
Mixing Kneading Disks



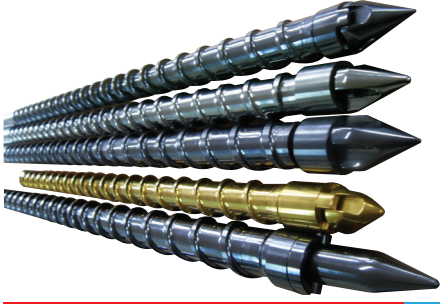
혼합 엘레먼트
Mixing Elements



혼합 배리어 엘레먼트
Mixing Barrier Elements

품질 비교표 Quality Comparison Table

비교제품 Comparison Item		현대코테크 HYUNDAI BOTEKO	일반적인 제조사 Generic Manufacturer
Material	스크류 엘레먼트 & 교반디스크를 위한 원자재 제조 Manufacturing Material for Screw Element & Kneading Disk	작업 조건에 따라 재료를 선택할 수 있으며, 강철 공급 업체가 신뢰할 수 있습니다. Varieties of material can be chosen based on customer's working condition, steel supplier is reliable	일반적으로 강철 재질의 강철, 몰드 강철 및 다른 종류의 고속 도강이 균일하지 않음 Generally made of nitrided steel, mold steel and different kinds of high-speed steel, steel supplier is uneven
Finished Product Hardness		Hardness Control: HRC58 ~ 62	Hardness is not stable because of the quality of materials
Size Tolerance Deviation	Size tolerances of spline ID	≤0,04mm	≤0,20mm
	Size tolerances of OD	≤0,025mm	≤0,05mm
	Size tolerances of thread ID	≤0,04mm	≤0,10mm
Shape Tolerance Deviation	End surface perpendicular to the axis of	≤0,02mm	≤0,08mm
	Coaxiality of internal spline with thread OD	≤0,03mm	≤0,10mm



HBS Wear and Corrosion resistance screw
from special heat-treatment

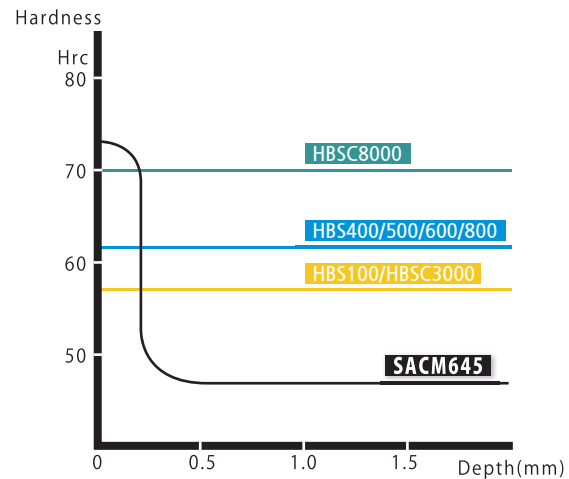
특수 열처리에 의한 HBS 내마모 내부식 스크류

HBS SCREW

TYPES OF HBS SCREW

Type	Application
SACM645	General (일반)
HBS-100	General (일반)
HBS-300	Corrosion resistance (내부식)
HBSC-3000	Ultra corrosion resistance (초내부식)
HBS-400	High wear resistance (내마모)
HBS-500	High wear and corrosion resistance (내마모, 내부식)
HBS-600	High wear and corrosion resistance (내마모, 내부식)
HBS-800	Higher wear and corrosion resistance (극내마모, 극내부식)
HBSC-8000	Ultra High wear and corrosion resistance (초내마모, 초내부식)

THICKNESS OF HARDENED LAYER OF HBS SCREW





Tungsten Carbide Coating Screw HBSC-8000

Tungsten coating carbide Coating screw

현대보테코의 특수한 코팅 방법은 스크류 모재에 드레싱, 담금질 및 템퍼링 공정을 거친 후 최첨단 열스프레이 기술로 모든 규격의 사출 및 압출기용 스크류에 극내마모 및 극내부식성 코팅을 합니다.

HYUNDAI BOTEKO's special coating method is a process for the dressing, quenching and tempering of screws and utilizes cutting-edge thermal spray technology to apply extremely wear and corrosion resistant protective coatings to any size injection molding or extrusion feed screw.

코팅의 경도는 HRC 67~71, 밀도 98%로 균열이 발생하지 않으며 단단한 탄화물, 세라믹 및 합금을 결합하여 기존 내마모 합금과는 비교할 수 없는 내마모성 및 내부식성을 자랑합니다.

The coatings are hard (67-71 HRC), dense (98% density) and crack-free. Proprietary compositions of hard carbides, ceramics, and alloys are combined to achieve abrasion and corrosion resistance unmatched by conventional hard facing alloys.

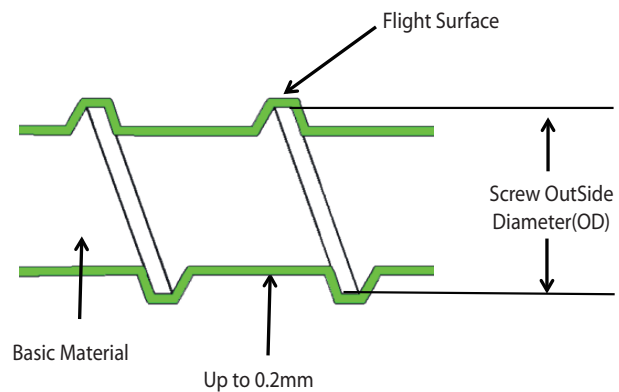
카바이드의 타입과 비율은 내마모성에 이용되는 모든 소재에 영향을 미칩니다.

텅스텐 카바이드는 탄소와 결합했을 때 가장 단단하고 경제적인 화합물 중 하나입니다.

Carbide type and volume percentage are critical to the abrasion resistance of any material used for wear resistance.

Tungsten carbide is one of the hardest and most economical compounds formed when combined with carbon.

코팅유형 Protection Type



장점 Benefit

- ✓ 텅스텐 카바이드 코팅은 충전 된 수지, 고무 또는 기타 연마제에 노출 된 스크류에 탁월합니다.
The coatings are excellent for screws exposed to filled resins, rubbers or other abrasive compounds.
- ✓ 텅스텐 카바이드 코팅은 내마모성과 내부식성을 향상 시킵니다.
Tungsten carbide Coating - improved wear and superior corrosion resistance.
- ✓ 텅스텐 카바이드 코팅 스크류는 마모, 부식, 열, 압력, 산화등이 발생할 수 있는 상황에서 문제를 해결할 수 있는 솔루션을 제공합니다.
Tungsten carbide coating screws provide very high-end solutions to solve the lasting problems for tooling subject to combined wear problems (abrasion, corrosion, heat, pressure, adhesion, oxidation etc. ...)
- ✓ 텅스텐 카바이드 코팅 스크류는 기존 내마모 스크류보다 2~3배정도 긴 수명을 가지고 있습니다. (Glass Fiber 30%~40% 포함일 경우)
Tungsten carbide coating screw is 2 ~3 times longer life than wear-resistant. (Include Glass Fiber 30%~40%)



제조 Manufacture

외경 OD (Out Dimeter)	12mm~130mm
경도 Hardness	HRC 67~71
두께 Tickness	0.2mm~0.25mm
조도 Roughness	Ra 0.2~0.4
길이 Length	Max 3000mm
기타 ETC	Ultra Wear-Resistance
	Ultra Corrosion-Resistance

작업조건 Working Conditions

원료 Plastic Resin	All
G/F 함유량 G/F Mixing Rate	More than 30%
보증기간 Guaranty	PC + G/F 30% = 2Years

선택 조건표 Selection Table

코팅스크류 명칭 Name of Coating Screw	경도 Hardness(HRC)	적용 Application	실린더 Barrel
HBSC-3000	55~65	불소수지용 Flouride Resin	☆☆☆
			☆☆☆☆☆
HBSC-8000	67~71	초내마모, 초내부식용 Ultra wear-corrosion resistance	☆☆☆☆☆
			☆☆☆☆
			HB-300 HB-500
			All 모든수치



Parts



TiAlN-Extreme abrasion Conditions (극한 마모조건)

- 연삭제가 함유된 수지 - Resin with grinding agent
- 글라스 파이버 함유량이 40% 이상인 수지 - Resin with 40% glass fiber content or more



TiN

- 우수한 유동성 - Excellent liquidity
- 용착 형성 감소 - Reduced deposition forming
- 이형성 개선 - Improved dysplastic change
- 마모방지 - Abrasion prevention



CrN (부식방지)

- 불소 및 염소성분이 함유된 수지 - Resin with fluorine and chloric substances
- 동 활성 성분이 포함된 수지 - Resin with copper-activating substance

FILTER CHECK NOZZLE





잠깐? 무엇때문에 고민이십니까?

- ✓ 가소화 능력 [PP+Glass]
- ✓ 황변/탄화 (투명 전 제품)
- ✓ 가스 (난연, 친환경)
- ✓ 컬러, 수지교체
- ✓ 자열문제
- ✓ 양변화
- ✓ 잦은 부품교체

Just Moment! What are you worried about?

- ✓ Plasticization Capability [PP+Glass]
- ✓ Yellow/carbonization [All transparent products]
- ✓ Gas [flame retardant , eco-friendly]
- ✓ Color , Resin replacement
- ✓ Autothermal problem
- ✓ Quantity change
- ✓ Frequent replacement of parts

Selection Table according to plastic resin

플라스틱 수지에 다른 선택 조건표

Barrel Material Selections	Pure resin or with some mild fillers or additives (순수 첨가제나 충전재가 함유된 레진)				Barrel Material Selections
HB-100 HB-400	ABS PC/Normal Acetal Graphite Acetal Normal Acrylic/Methyl-Methac Styrene Alkyd Normal Allyl Ester/Monomeric Styrene Cellulose Acetate/Normal Ethylene Propylene/Copolymer Ethylene Propylene/Normal PFA Fluorocarbon/Normal Hydroxypropyl Cellulose Normal Tonomer/Normal Melamine Formaldehyde Cokeflour Melamine Formaldehyde Nylon	ABS Normal ABS PC/Normal Acetal Copolymer Acrylic/Methyl-Methac Styrene Acrylic/Styr-Methac methacrylate Alkyd Monomerig Styrene Allyl Ester/Carbon Black Cellulose Acetate/Normal Ethylene Propylene/Copolymer Ethylene Propylene/Normal PFA Fluorocarbon/Normal Hydroxypropyl Cellulose Normal Tonomer/Normal Melamine Formaldehyde Cokeflour	Nylon 12/Normal Nylon 12/Plasticized PET, Normal Phenolic/Nylon Phenolic/Woodflour-Rubber Phenolic/Phenylene Oxide/Cotton Poly Allomer/Normal Polycarbonate/Normal Polyethylene/Carbon Black Polyester/Normal Polyester/PBT/Normal Polyethylene/Carbon Polyethylene/Hexane Copolymer Polyimide/Carbon	Polyethylene/Copolymer Polyethylene/PTFE-TFE(Teflon) Polyolefin/Carbon Black Polystyrene/Styr-Metal Methacrylate Polyurethane/Polycaprolactone Polyurethane/Polyester Polyvinyl Carbazole/Normal Polyvinyl Chloride/Tin-Titanium SAN/Graphite Styene-Butadiene/Copolymer Styene Terpolymer/Normal Terpolymer/Normal Thermoplastic Elastomer/Copolymer Urea Firknagdtge/Cekkykise	SACM 645 HBS-100 HBS-400
	Resine with corrosive fillers and additives (부식성 충전재나 첨가제가 함유된 레진)				
HB-300 HB-500	ABS Flame Retardant ABS PVC Flame Retardant Acetal Carbon Black Acylic/PVC/Normal Alkyd/Flame Retardant Allyl Ester/Flame Retardant Allyl Ester/PTFE-TFE(Teflon) Allyl Ester/Vinyl Toluene Cellulose Butyrate/Normal Ethylene Vinylacetate/Normal CTFE Fluorocarbon/Copolymer	FEP Fluorocarbon/Glass PTFE Fluorocarbon/Cokeflour PTFE Fluorocarbon/Glass Graphite PTFE Fluorocarbon/Normal Fluorocarbon/Cokeflour Fluorocarbon/Glass Fluorocarbon/Normal Nylon 6/6/Flame Retardant Nylon 6/6/PTFE-TFE(Teflon) Nylon 12/Glass(PTFE-TFE) Nylon 12/PTFE-TFE(Teflon)	Polyester/Flame Retardant Polyester/Vinyl Toluene Polyester Sulfone/Glass Polyethylene/Flame Retardant Polyimide/Glass Polyimide/PTFE-TFE(Teflon) Polyphenyl Sulfide/Carbon Polyphenyl Sulfide/Flame Retardant Polyphen Sulfide/PTFE-TFE(Teflon) Polyphenyl Sulfone/Normal Polyethylene/Flame Retardant	Polysulfone/Flame Retardant Polysulfone/PTFE-TFE(Teflon) Polyurethane/PTFE-TFE(Teflon) Polyurethane(TPI)/Flame Retardant Polyvinyl Chloride/Asbestos Polyvinyl Chloride/Blowing Agent Ployvinylidene Fluoride/Normal Poly P-Xylene/Normal San PTFE-TFE(Teflon) Terpolymer/Glass(PTFE/TFE) Flame Retardant	HBS-300 HBSC-3000
	Resine with aggressive fillers and additives (강화 충전재나 첨가제가 함유된 레진)				
HB-100 HB-400 HB-600 HB-800	ABS/Calcium Carbonate ABS/PVC-Glass-Flame Acetal/Glass Acylic/PVC/Normal Alkyd/Glass-Flame Retardant Allyl Ester/Glass-Flame Brominated Epoxy/Antimony Oxide CTFE Fluorocarbon/Glass FEP Fluorocarbon/Glass	Nylon/Glass Nylon 6/6/Glass-Flame Retardant Nylon 6/6-Glass Nylon 6/10/Silicon Nylon 6/12/Glass-Flame Retardant Nylon 11/Glass Graphite Nylon 12/Glass PET/Glass Phenolic/Glass Phenolic/Mica Phenolic Oxide/Glass Phenolic Oxide/Glass-Flame Retardant	Polyaryene Ether/Glass Polycarbonate/Glass(PFTE/TFE) Polyester/Glass-Flame Retardant Polyester/PBT/Glass Retardant Poltster PBT/Mineral Poltster Copolyester/Normal Polyphenyl Sulfone/Glass Mineral Polyphenyl Sulfone/Glass Polypropylene/Calcium Carbonate Polyolefin/Mineral Polystyrene/Glass	Polysulfone/Mineral Polysulfone/Glass Polysulfone/Glass(PBT/TFE) Polysulfone/Glass(Filled Synthetic Fiber Polyurethane(TPI)/Filled Synthetic Fiber Polyvinyl Acetate/Normal Polyvinyl Chloride/Antimony Oxide Polyvinyl idene Fluoride/Asbestos Poly P-Xylene/Nrml SAN/Glass-Flame Retardant SAN/Silicon Styrene Terpolymer/Glass-Flame Styrene Terpolymer/Glass(PTFE/TFE)	HBS-100 HBS-400 HBS-500 HBS-600 HBS-800 HBSC-8000



- ✓ 독자적인 생산기술개발
Proprietary production technology
- ✓ 생산시스템의 최적화
Optimization of the production system



- ✓ ISO-9001:2008 품질경영시스템 인증
- ✓ 기술연구소를 통한 혁신적인 연구개발
Innovative research and development through technology research center



- ✓ 신용을 최우선하는 경영이념
Our management philosophy is top priority of credit
- ✓ 혁신적인 관리방법
Innovative management method

현대보테코의 HB-100 실린더는 (주)우진플라임과 (주)동신유압의 표준사양 입니다.

HYUNDAI BOTECO Co.,Ltd's **HB-100** Cylinder is
Standard for **WOJIN** WooJin Plaimm
and **DONGSHIN** Dong Shin Hydraulic

News paper a report 신문보도자료



제일경제신문

한국경제신문

매일경제신문

Certification 인증서



ISO 9001:2008

Research & Development Center



▲ 본사/1공장 (HYUNDAI BOTEKO HEAD OFFICE / PLANT)



▲ 2공장 (HYUNDAI BOTEKO 2nd OFFICE / PLANT)



▲ 인도네시아 공장 (PLANT IN INDONESIA)



HYUNDAI BOTEKO Co.,Ltd.

<http://www.hbbimetal.co.kr>

• 본사/공장

15113

경기도 시흥시 정왕동 마유로 70번길 73번지
(정왕동 2098-15 시화공단 3마 615호)

Tel. (031) 319-9500 Fax. (031) 319-5353

• 2공장

15617

경기도 안산시 단원구 첨단로 85
(성곡동 779-5 시화공단 4바 1006호)

Tel. (031) 319-9500 Fax. (031) 319-5353

• HEAD OFFICE / PLANT

15113

(615, 3Ma) 73, Mayuro 70beon-gil, Sihwa Industrial Complex,
Jeongwang-dong, Siheung-si, Gyeonggi-do, Korea

Tel. 82-31-319-9500(Rep) Fax. 82-31-319-5353

• 2nd PLANT

15617

(1006, 4Ba) Cheomdan-ro 85, Sihwa Industrial Complex, Seonggok-dong,
Danwon-gu, Ansan-si, Gyeonggi-do, Korea

Tel. 82-31-319-9500(Rep) Fax. 82-31-319-5353

• PT. HYUNDAI BOTEKO Indonesia

Jl. Industri Selatan 2 SFB Blok MM-9 Kawasan Industri Jababeka 2,
Cikarang Bekasi 17550 Jawa Barat. Indonesia

TEL : (62-21)89830100, 89830500 FAX : 021-89834600

E-mail : hyundaiboteco1@yahoo.com