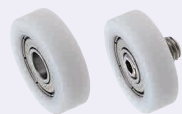


Engineered Plastic Bearings

Flat Type



Retained Type



Type										Material		Surface Treatment	
No Retaining Ring				Retained		Surface Plastic		Bearing		Shaft		Shaft	
Straight Bore	Threaded Stud	Threaded Stud Hex Socket	Long Threaded Stud	Straight Bore	Threaded Stud Hex Socket								
EBSS	EBBS	EBHS	EBBL	-	-	Polyacetal		EN 1.4125 Equiv.		EN 1.4301 Equiv.		-	
EB	EBB	EBH	-	-	-	EN 1.3505 Equiv.		JIS-SWCH		Trivalent Chromate			
EBD	EBBD	-	-	-	-	Antistatic Polyacetal		EN 1.4125 Equiv. (Low Dust Generation)		EN 1.4301 Equiv.		-	
EBZ	-	EBBC	-	-	-	EN 1.4301 Equiv. (Low Dust Generation)		EN 1.3505 Equiv.		EN 1.1191 Equiv.		Trivalent Chromate	
EBZ	-	EBHZ	-	-	-	MC Nylon UHMWPE		EN 1.3505 Equiv.		EN 1.1191 Equiv.		Trivalent Chromate	
-	-	-	-	EBM	EBMH								
-	-	-	-	EBPE	EBPEH								

EBZ, EBSZ, EBBZ and EBHZ use low dust generation grease and the resin section may be discolored due to reactions with ultraviolet, but the functionality will not be affected.
Surface resistivity of antistatic polyacetal is $1.5 \times 10^{11} \Omega$ (Temperature 23°C / Humidity 65%)
For identification, markings are painted on the side of antistatic polyacetal plastic parts. Wipe off before use.

■ Straight Bore
• No Retaining Ring
• Retained

■ Threaded
• No Retaining Ring
• Retained

■ Threaded Stud Hex Socket
• No Retaining Ring
• Retained

■ Long Threaded Stud
• No Retaining Ring
• Retained

Bearing Accuracy JIS B 1514, 0 Class

Part Number		Allowable Load N / indicates EN 1.4301 Equiv.	d	B		M (Coarse)	L		Hex Socket G	Retaining Ring Size (C Type) (Only for Retained Type)	Bearing Used	Unit Price																
Type	D			Polycetal	MC Nylon Ultra High-Molecular- Weight Polyethylene		Polycetal	MC Nylon Ultra High-Molecular- Weight Polyethylene				ℓ	Straight Bore						Threaded Stud			Threaded Stud Hex Socket			Long Threaded Stud			
												EBSS	EB	EBD	EBZ	EBSS	EBM	EBPE	EBBS	EBB	EBBD	EBHS	EBH	EBBC	EBHZ	EBMH	EBPEH	EBBL
Straight Bore																												
EBSS	13										L-1040ZZ																	
EB	14	29.4(14.7)	4	5	4	5		1	1.5					-	-		-	-								-	-	
EBD	16																											
EBZ	16																											
EBSZ	18																											
EBM	18																											
EBPE	19																											
Threaded Stud																												
EBBS	20																											
EBB	22	78.4(39.2)	6	6	9				2.5	RTWS15	696ZZ																	
EBBD	24																											
Threaded Stud Hex Socket																												
EBHS	26																											
EBH	30	176(88)	8	9	12				5	RTWS22	608ZZ																	
EBBC	35																											
EBHZ	40																											
EBMH	45	245(122)	10	12	14	8	12	12	2	6	RTWS30	6200ZZ																
EBPEH	45																											
Long Threaded Stud																												
EBBL	50																											

R Type



Type										Material		Surface Treatment	
Straight Bore				Threaded Stud		Threaded Stud Hex Socket		Long Threaded Stud		Bearing		Shaft	
EBBS	EBBBS	EBBS	EBBL	EBBS	EBBBS	EBBS	EBBL	EBBS	EBBBS	EN 1.4125 Equiv.	EN 1.4301 Equiv.	EN 1.4301 Equiv.	EN 1.4301 Equiv.
EBB	EBBB	EBB	EBBL	EBB	EBBB	EBB	EBBL	EBB	EBBB	EN 1.3505 Equiv.	JIS-SWCH	Trivalent Chromate	Trivalent Chromate
EBZ	-	EBBZ	-	EBZ	-	EBBZ	-	EBZ	-	EN 1.4301 Equiv. (Low Dust Generation)	EN 1.4301 Equiv.	-	-

EBBZ and EBBZ use low dust generation grease and the resin section may be discolored due to reactions with ultraviolet, but the functionality will not be affected.
Surface resistivity of antistatic polyacetal is $1.5 \times 10^{11} \Omega$ (Temperature 23°C / Humidity 65%)
For identification, markings are painted on the side of antistatic polyacetal plastic parts. Wipe off before use.

■ Straight Bore
• No Retaining Ring
• Retained

■ Threaded
• No Retaining Ring
• Retained

■ Threaded Stud Hex Socket
• No Retaining Ring
• Retained

■ Long Threaded Stud
• No Retaining Ring
• Retained

Bearing Accuracy JIS B 1514 Class 0

Part Number		Allowable Load N () indicates EN 1.4301 Equiv.	d	R	B	M (Coarse)	L	ℓ	Hex Socket G	Bearing Used	Unit Price												
											Straight Bore			Threaded Stud		Threaded Stud Hex Socket			Long Threaded Stud				
Type	D										ERBS	ERB	ERBZ	ERBBS	ERBB	ERBBS	ERBB	ERBZ	ERBBS				
Straight Bore	19	78.4(39.2)	6	5	6	6	8	1	2.5	696ZZ													
ERBS	20																						
ERB	22																						
ERBZ	24																						
Threaded Stud	26	176(88)	8					0.5	5	608ZZ									-				
ERBBS	30							1															
ERBB	35																						
	40	245	10	6	12	8	12	2	6	6200ZZ									-	-			
	45																						
	50																						

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Flat Type with Bracket



R Type with Bracket



Type										Material		Surface Treatment		Accessory	
Flat				R Type		Surface Plastic		Bearing		Shaft		Shaft			
ENHS	ENH	ENH	ENH	ERNH	ERNH	Polycetal	EN 1.4125 Equiv.	EN 1.3505 Equiv.	EN 1.4301 Equiv.	JIS-SWCH	Trivalent Chromate	Trivalent Chromate	Trivalent Chromate	① Bracket (Clear Anodize)	② Nut (M6)

Flat Type
R Type
Bracket Details

2-Ø6 (Through Hole)
4-C2 or less
Ø6 (Through Hole)

Bearing Accuracy JIS B 1514, 0 Class

Part Number		Allowable Load N		D		F		R		h		B		J		Hex Socket		Bearing Used		Unit Price		
Type	D	d	EN 1.4301 Equiv.	Polycetal	MC Nylon Ultra High-Molecular-Weight Polyethylene	Polycetal	MC Nylon Ultra High-Molecular-Weight Polyethylene	G	Only for Retained Type					G	Only for Retained Type					ENHS	ENH	ERNH
Flat																						
ENHS	24	78.4	5	11	6	7	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	6
ENH	26	(39.2)	6	10	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
ERNH	30	176	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	35	(88)	10.5	5.5	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9	9

For bearing detailed dimensions, see P989.

kgf=Nx0.101972

U Groove



V Groove



Type										Material		Surface Treatment	
Straight Bore				Threaded Stud		Threaded Stud Hex Socket		Long Threaded Stud		Bearing		Shaft	
EBUS	EUBS	EUBS	EUBS	EUBS	EUBS	EUBS	EUBS	EUBS	EUBS	EN 1.4125 Equiv.	EN 1.4301 Equiv.	EN 1.4301 Equiv.	EN 1.4301 Equiv.
EUB	EUBB	EUBB	EUBB	EUB	EUBB	EUBB	EUBB	EUB	EUBB	EN 1.3505 Equiv.	JIS-SWCH	Trivalent Chromate	Trivalent Chromate
EVG	EVB	EVB	EVB	EVG	EVB	EVB	EVB	EVG	EVB	EN 1.4301 Equiv.	EN 1.4301 Equiv.	-	-

Type										Material		Surface Treatment	
Straight Bore				Threaded		Threaded Stud Hex Socket		Long Threaded Stud		Bearing		Shaft	
EBUS	EUBS	EUBS	EUBS	EUBS	EUBS	EUBS	EUBS	EUBS	EUBS	EN 1.4125 Equiv.	EN 1.4301 Equiv.	EN 1.4301 Equiv.	EN 1.4301 Equiv.
EUB	EUBB	EUBB	EUBB	EUB	EUBB	EUBB	EUBB	EUB	EUBB	EN 1.3505 Equiv.	JIS-SWCH	Trivalent Chromate	Trivalent Chromate
EVG	EVB	EVB	EVB	EVG	EVB	EVB	EVB	EVG	EVB	EN 1.4301 Equiv.	EN 1.4301 Equiv.	-	-

Only Stainless Steel Type has a straight slot and an undercut at the base of the neck.

Bearing Accuracy JIS B 1514, 0 Class

Part Number			Allowable Load N		d	D ₁	B	R		Hex Socket G	Bearing Used	Unit Price					
Type	D	() indicates EN 1.4301 Equiv.	U Groove	V Groove				Straight Bore				Threaded Stud		Threaded Stud Hex Socket			
Straight Bore EUBS EUB EVB	Threaded Stud	Threaded Stud Hex Socket	22	78.4 (39.2)	6	19	7	2.5	0.6	2.5	696ZZ	EUBS	EUBB	EUBH	EUBH		
	EUBS	EUBBS	EUBH	24		21					EUBS	EUBB	EUBH	EUBH			
	EUB	EUBB	EUBH	30	176 (88)	27											
	EVB	EVBBS	EVBH	35		31											
⚠ With the B=7 size U-Groove Threaded Stud Type, the screw head may protrude above the B dimension. ⚠ For bearing detailed dimensions, see P989.																	
kgf~N0.101972																	