

Patents pending for 8 countries



BEST ROLLER®

 **BRVV**
SERIES

 **BRV**
SERIES

 **BR**
SERIES

The roller revolution
for the 21st century



For use
under light-load



TASHICO
GLOBAL TECHNOLOGY



Industrial machinery has become more sophisticated and faster automated in recent years. Industry demands an ever-increasing number of quiet-performance machines. Accordingly the range of applications of bearing rollers has been widened. BEST ROLLER represents the culmination of our state-of-the-art technologies developed in response to such needs.

BEST ROLLER

The multiple-design embodying the special bearing construction and polyurethane materials has enabled prevention of the roller separation from bearings. It is BEST ROLLER. Safe use guaranteed.

Lightweight/Strong Double-Row Rollers

The wheel section of a tire has a double-row roller that ensures quiet-performance and high-endurance on the strength of our successful choice of materials that combine elasticity suited to the wheel size and abrasion-resistance.

Note: 40°~80° - Double-row construction
30° & 35° - Single-row construction

Excellent Rubber Materials

We have selected and employed the materials that offer superior water-resistance/abrasion-resistance/cold-resistance/rubber-elasticity out of rubber polyurethane materials.

(Tire section/Surface hardness - Scale-A 95°)

Type of Bearings

Special bearings with separation-prevention have been adopted. Allowing for multi-use, our bearings are available in BRVV-type, BRV-type or BR-type.

BRVV-type ... Both end faces of the inner race jut 2mm from the roller width.

BRV-type ... Single end face of the inner race juts 2mm from the roller width.

BR-type ... It is of the standard size. (Conventional type)

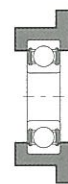
Main Applications

Escalator
Moving sidewalk
Elevator
Automatic warehouse
Guide roller
Forklift
Sash roller
Three-dimensional parking lot

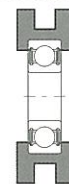
Various kinds of transfer machines
Stage-pressure machine
Machine tool
Various kinds of robots
Health appliance
Bookbinding machine
Wall-surface-work machine
Pitting machine, etc.

Customization

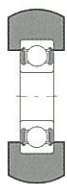
Side Roller



Automatic Door Roller



Shutter Roller



For your order, write out your specifications, including the quality of materials, the number of rotations, configuration, dimensions and quantities.

Directions for the Use of BEST ROLLER

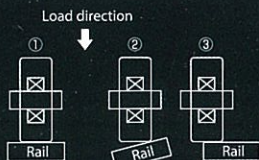
- When performing maintenance of BEST ROLLER, be sure to power off the machinery, and check to see a full stop before proceeding with maintenance.
- Be careful not to use BEST ROLLER in poor contact with the installation plane.

1) Good example:

- Cases where the overall width of the tire section of a roller makes contact with that of the installation plane.

2) Bad examples:

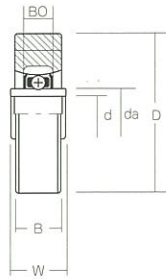
- Cases where the partial width of the tire section of a roller makes contact with that of the installation plane.
- Cases where a load is imposed on any part of the tire section of a roller. BEST ROLLER cannot be used in this case due to an anticipated decrease in durability.



Storage/Use Environments

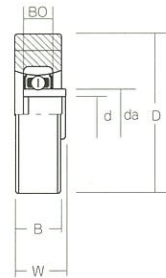
- BEST ROLLER allows for water-resistance. However, avoid areas that are subject to high temperature, much moisture and water.
- BEST ROLLER offers low resistance to strong-acids and strong-alkalis, which may cause swelling and a decrease in strength.
- BEST ROLLER offers low resistance to esters, ketones, aromatic solvents, trichlenes, anilines and other isomorphous chemicals, which may cause swelling and a decrease in strength.
- BEST ROLLER offers excellent oil-resistance. However, swelling and a decrease in strength may arise in cases where any solvent is added.
- If BEST ROLLER is used under high temperature conditions, the physical properties will suffer degradation. A continuation of such a state can be detrimental. Environmental temperatures should be around 20°C to 40°C.
- For storage of BEST ROLLER, avoid locations where it is exposed to the direct sunlight, high temperature and much moisture. This may cause a change in the tire section of a roller and the formation of rust of bearings.
- For safekeeping of BEST ROLLER, be careful not to put a heavy thing on it. This may cause deformation.

BRVV SERIES



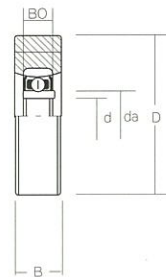
Type	Price (¥)	Special Bearing	Boundary Dimension								Weight (g)	
			D (mm)	d (mm)		da (mm)	B (mm)		BO (mm)	W (mm)		
BRVV-30*	360	608 ^{2RS} VV	30		8	+0 -0.04	12	11		7	15	21
BRVV-35*	390		35									24
BRVV-40	540	6000 ^{2RS} VV	40		10		14	12		8	16	34
BRVV-45	640	6201 ^{2RS} VV	45									60
BRVV-50	690		50				18.3	14		10	18	66
BRVV-55	780	6202 ^{2RS} VV	55	+0.2 -0.2	15		21.6	15	+0 -0.5	11	19	82
BRVV-60	820		60			+0.005 -0.012						90
BRVV-65	900	6203 ^{2RS} VV	65									120
BRVV-70	950		70				24.6	16		12	20	130
BRVV-75	1,000	6204 ^{2RS} VV	75									188
BRVV-80	1,050		80				29.3	18		14	22	199

BRV SERIES



Type	Price (¥)	Special Bearing	Boundary Dimension								Weight (g)		
			D (mm)		d (mm)		da (mm)		B (mm)				BO (mm)
BRV-30 [*]	320	608 ^{2RS} V	30		8	+0 -0.04	12	11		7	13	19	
BRV-35 [*]	360		35										22
BRV-40	480	6000 ^{2RS} V	40		10		14	12		8	14	32	
BRV-45	580	6201 ^{2RS} V	45		12		18.3	14		10	16	55	
BRV-50	640		50										61
BRV-55	690	6202 ^{2RS} V	55	+0.2 -0.2	15		21.6	15	+0 -0.5	11	17	76	
BRV-60	730		60			+0.005 -0.012							83
BRV-65	810	6203 ^{2RS} V	65		17		24.6	16		12	18	112	
BRV-70	860		70										121
BRV-75	960	6204 ^{2RS} V	75		20		29.3	18		14	20	175	
BRV-80	1,000		80										187

BR SERIES



Type	Price (¥)	Special Bearing	Boundary Dimension								Weight (g)	
			D (mm)		d (mm)		da (mm)		B (mm)			
BR-30 [*]	300	608 ^{2RS}	30		8		12	11		7	17	
BR-35 [*]	320		35								20	
BR-40	440	6000 ^{2RS}	40		10		14	12		8	30	
BR-45	500	6201 ^{2RS}	45		12	⁺⁰ -0.008	16.8	14		10	50	
BR-50	560		50								56	
BR-55	590	6202 ^{2RS}	55	^{+0.2} -0.2	15		19.9	⁺⁰ -0.5	15	11	70	
BR-60	650		60							77		
BR-65	700	6203 ^{2RS}	65		17		22.5	16		12	104	
BR-70	750		70							113		
BR-75	820	6204 ^{2RS}	75		20	⁺⁰ -0.01	27.6	18		14	164	
BR-80	870		80							176		

*BRVV-30, -35, BRV-30, -35, BR-30 and -35 are of the single-row construction.

(The original products may appear to be somewhat different from the photographed ones. Please take note that specifications of the products are subject to change without notice.)

Allowable Load of BEST ROLLER

rpm	BRVV	φ 30	φ 35	φ 40	φ 45	φ 50	φ 55	φ 60	φ 65	φ 70	φ 75	φ 80
	BRV											
	BR											
rpm	N	N	N	N	N	N	N	N	N	N	N	N
200	196	265	372	480	568	608	637	686	735	892	980	
220	190	257	361	465	549	588	617	666	715	866	954	
240	184	249	349	449	529	568	598	647	696	841	928	
260	178	241	337	433	510	549	578	627	676	815	902	
280	172	233	325	417	490	529	559	608	657	790	876	
300	167	225	314	402	470	510	539	588	637	764	850	
320	161	218	302	386	451	490	519	568	617	739	823	
340	155	210	290	370	431	470	500	549	598	713	798	
360	149	202	278	355	412	451	480	529	578	688	771	
380	143	194	267	339	392	431	461	510	559	662	746	
400	137	186	255	323	372	412	441	490	539	637	719	
420	131	178	243	308	353	392	421	470	519	612	693	
440	125	171	231	292	333	372	402	451	500	586	667	
460	120	163	220	276	314	353	382	431	480	561	641	
480	114	155	208	261	294	333	363	412	461	535	615	
500	108	147	196	245	274	314	343	392	441	510	589	

The above allowable load values are in N (Newton). Be careful to use BEST ROLLER within the permissible range as indicated above.
For details about products for heavy-load/high-rpm other than the above, get in touch with us.



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