

⚠ Precautions for Use

- **BRUHS** is for forward applications only. If it used for downward or sideward applications, the product may be damaged or the ball may malfunction.
- **BRUHN-N** and **BRUHP-P** can be used in upward, downward, and sideward facing applications.



- Hexagon head screw type ball rollers for upward applications. They can be installed or removed by using a open-ended spanner or ring spanner.
- You can select from the following main body and main ball combinations : stainless steel, polyacetal, and PEEK.
- **BRUHP-P** is intended for applications that require cleanliness, heat resistance, or chemical resistance, such as FPD production equipment and semiconductor devices.
- **BRUHN-N** and **BRUHP-P** have drain holes and are intended for food production lines and other applications that require cleaning.
- **BRUHS** has a small coefficient of friction and can move workpiece with less force.

● Application

FPD production equipment, semiconductor devices, food production lines, and packaging lines

● Material/Finish

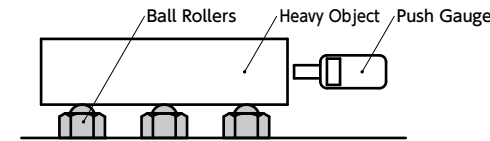
	BRUHS-S	BRUHS-N	BRUHN-N	BRUHP-P
Main Body	SUS304	SUS304	Polyacetal/White	PEEK/Light Brown
Main Ball	SUS440C (Hardness 55HRC or Higher)	Polyacetal/White	Polyacetal/White	PEEK/Light Brown
Sub Ball	SUS440C (Hardness 55HRC or Higher)	SUS440C (Hardness 55HRC or Higher)	SUS440C (Hardness 55HRC or Higher)	SUS440C (Hardness 55HRC or Higher)
Spacer	SUS304	SUS304		

BRUHS-S | BRUHS-N Main Body: Made of Stainless Steel

BRUHS-S Main Ball: Stainless Steel		BRUHS-N Main Ball: Polyacetal		Common Dimensions							
Part Number	Withstand Load (N)	Part Number	Withstand Load (N)	M (Coarse)		L	L ₁	s	Db	B	Mass (g)
				Nominal of Thread	Pitch						
BRUHS-5-S	12	BRUHS-5-N	6	M5	0.8	6	5	1.1	4	8	2.6
BRUHS-6-S	14	BRUHS-6-N	7	M6	1	8	6	1.2	4.76	10	4.8
BRUHS-8-S	41	BRUHS-8-N	27	M8	1.25	10	7	1.5	5.56	13	10
BRUHS-10-S	55	BRUHS-10-N	34	M10	1.5	12	10	2.5	8.73	17	24
BRUHS-12-S	62	BRUHS-12-N	55	M12	1.75	15	11	3.5	10.32	19	35
BRUHS-16-S	343	BRUHS-16-N	69	M16	2	20	15	5.3	15.87	24	83
BRUHS-20-S	412	BRUHS-20-N	82	M20	2.5	25	18	6.3	19.05	30	158

● Starting coefficient of friction measurement

A heavy object of the max withstand load is loaded on 3 ball rollers. The force to move the heavy object was measured with a push gauge, and the starting coefficient of friction μ was calculated.



Part Number	Starting Coefficient of Friction μ
BRUHS-S (Main Body and Main Ball : Stainless Steel)	0.03
BRUHS-N (Main Body : Stainless Steel/ Main Ball : Polyacetal)	0.04
BRUHN-N (Main Body and Main Ball : Polyacetal)	0.08
BRUHP-P (Main Body and Main Ball : PEEK)	0.08

- Values in chart are from actual measurements in testing.They are not guaranteed values.

BRUHN-N Main Body and Main Ball: Polyacetal

Part Number	M (Coarse)		L	L ₁	s	Db	B	d	Withstand Load (N)	Mass (g)
	Nominal of Thread	Pitch								
BRUHN-4-N	M4	0.7	5	4	1	3.18	7	0.8	1	0.33
BRUHN-5-N	M5	0.8	6	5	1.5	4.76	8	1.5	2	0.48
BRUHN-6-N	M6	1	8	6	1.7	5.56	10	2.5	4	0.91
BRUHN-8-N	M8	1.25	10	8	2.8	8.73	13	3	7	2.2
BRUHN-10-N	M10	1.5	12	10	3.5	10.32	17	3.5	11	4.5

BRUHP-P Main Body and Main Ball: PEEK

Part Number	M (Coarse)		L	L ₁	s	Db	B	d	Withstand Load (N)	Mass (g)
	Nominal of Thread	Pitch								
BRUHP-5-P	M5	0.8	6	5	1.5	4.76	8	1.5	2	0.48
BRUHP-6-P	M6	1	8	6	2	6.35	10	2.5	5	0.91
BRUHP-8-P	M8	1.25	10	8	2.5	7.94	13	3	6	2
BRUHP-10-P	M10	1.5	12	10	3	9.53	17	3.5	8	4.1

● Part number specification

BRUHS-12-N

Product Code M Main Ball : "S" or "N" or "P"

Individual Sales → P.xxxx	Cleanroom Wash & Packaging → P.xxxx	Screw Length Adjustment → P.xxxx	Vibration Resistant → P.xxxx
1 piece in 1 pack	Please feel free to contact us	Not Available	Not Available