

Rod End Bearings

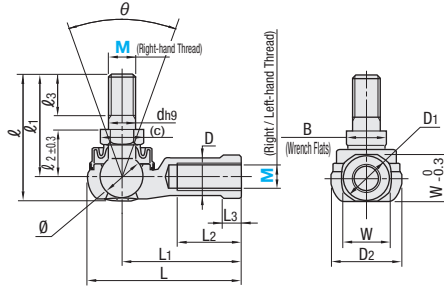
Link Ball Type

Link Ball L Type



RoHS10

RBLD
(Right-hand Thread)
RBLDL
(Left-hand Thread)



M Material: Holder: High Strength Zinc Alloy
* M4, 5: High Strength Aluminum Alloy
Shank with Ball: S35C (20 ~ 28HRC)
Boot: NBR Type Special Synthetic Rubber
H Hardness: Sphere 650HV~

Part Number	Holder Part										Shank with Ball							Allowable Incline Angle θ	Strength of Yielding Point Pk (N)	Static Load Capacity Radial Cs (N)	Mass (g)	Unit Price 1-9 pc(s)	Volume Discount Rate 10-30			
	Type	M	D	D1	D2	L	L1	L2	MxP	L3	W	dh9	(c)	ℓ	ℓ_1	ℓ_2	ℓ_3							B	Ball Dia. ϕ mm	
RBLD (Right-hand Thread)	4	7.5	9.5	13	24.5	18	8	M4x0.7	4	8	4	0	8.1	20	15	7	6	7	7.938	40°	1370	4510	7			
	5	9	12	15	34.5	27	15	M5x0.8		10	5	-0.030	9.2	26.7	21	10	8	8	9.525		2250	6470	12			
	6	10	13	16	38	30	16	M6x1.0	5	11	6		11.6	32.6	26	11	11	10	11.112		3920	9900	26			
	8	12.5	16	19	45.5	36	19	M8x1.25	6	14	8	0	13.8	38.6	31	14	12	12	12.7		6570	12500	49			
RBLDL (Left-hand Thread)	10	14.5	19	25	55.5	43	23	M10x1.5	7	17	10	-0.036	16.2	52.3	43	17	21	15	14	15.875	40°	11300	18300	90		
	10A							M10x1.25																87		
	12	17.5	22	29	64.5	50	26	M12x1.75	8	19	12	0	19.6	59.7	49	19	24	17	19.05	40°	16400	26700	148			
	12A							M12x1.25																143		
	14	20	25	34	74	57	30	M14x2.0	10	22	14	0	21.9	74.4	62	21.5	28	19	22.225	30°	19800	36400	245			
	14A							M14x1.5																235		
	16	22	27	38	83	64	34	M16x2.0	11	24	16	0	25.4	80	66	29	29	22						325		
	16A							M16x1.5																	315	

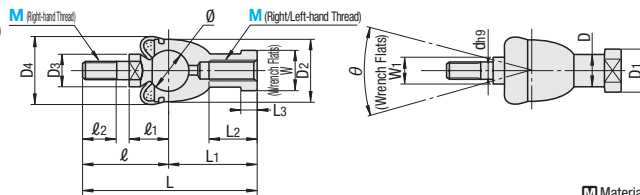
kgf~Nx0.101972 **H** For orders larger than indicated quantity, please check with WOS.

Link Ball Straight Type



RoHS10

RBID
(Right-hand Thread)
RBIDL
(Left-hand Thread)



M Material: Holder: High Strength Zinc Alloy
Shank with Ball: S35C (20 ~ 28HRC)
Boot: NBR Type Special Synthetic Rubber
H Hardness: Sphere 650HV~

Part Number	Holder Part										Shank with Ball							Allowable Incline Angle θ	Strength of Yielding Point Pk (N)	Static Load Capacity Thrust Cs (N)		Mass (g)	Unit Price 1-9 pc(s)	Volume Discount Rate 10-30				
	Type	M	D	D1	D2	L	L1	L2	MxP	L3	W	dh9	ℓ	ℓ_1	ℓ_2	W1	D3			D4	Ball Dia. ϕ mm				Tensile Cs (N)	Compression Cs (N)		
RBID (Right-hand Thread)	5	9	11	17	46	24	12	M5x0.8	4	9	5	0	22	11	8	7	9		11.112	25°	2840	5690	11400	25				
	6	10	13	20	55.2	28	15	M6x1.0		11	6	-0.030	27.2	12.2	11	8	10	20	12.7		3730	7450	14900	40				
RBIDL (Left-hand Thread)	8	12.5	16	24	65	32	16	M8x1.25	5	14	8	0	33	16	12	10	12	24	15.875	25°	5880	11700	23200	75				
	10	15	19	28	80.5	35	18	M10x1.5					45.5	19.5	21	11	14	30	19.05					8430	16800	33500	123	
	10A							M10x1.25	6.5	17	10	-0.036	39.5	15	15						25°	11400	22800	45600	120			
	12	17.5	22	32	91	40	20	M12x1.75					51	21	24	17	19	32	22.225	11400					22800	45600	190	
	12A							M12x1.25					44		17							17°	14900	29800	59600	185		
	14	20	25	36	109	45	25	M14x2.0	8	22	14	0	64	23.5	28	22	38				280							
	14A							M14x1.5					58		29											275		
	16	22	27	40	118	50	27	M16x2.0					68	25.5	29	19	22	44								370		
16A							M16x1.5					62		23	19	22	44					360						

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Ordering Example
Part Number
RBLD6
RBIDL12A

1. Clearance of Sphere Unit: mm

	RBLD, RBLDL	RBID, RBIDL
Radial Direction Clearance	0.02~0.05	0.03 or Less
Axial Clearance	0.3 or Less	0.1 or Less

2. H10 tolerance is recommended for Shank with Ball and the mating hole.
3. Yield Strength (Pk) shows the strength of the direction shown in the figure below.

