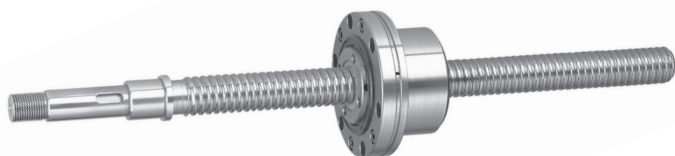


## 9.3 R1 Rotating Nut



### • Application:

Semi-conductor industries, Robots, Wood machines, Laser cutting machines, Transporting equipment.

### • Features:

#### 1. Compact and high positioning:

It is a compact design using nut and support bearing as an integral unit. 45-degree steel ball contact angle make a better axial load. Zero backlash and higher stiffness construction give a high positioning.

#### 2. Simple installation:

It is installed simply by fixing the nut on the housing with bolts.

#### 3. Rapid feed:

No inertial effect produced by the integral unit rotating and the shaft fixed. Can select smaller power to meet the rapid feed requirement.

#### 4. Stiffness:

Have a higher trust and moment stiffness, because the integral unit have an angular contact construction. There is no backlash while rolling.

#### 5. Quietness:

Special end cap design allows steel balls circulating inside the nut. Noise generated by high speed operation lower than ordinary ballscrew.

### • Specification:

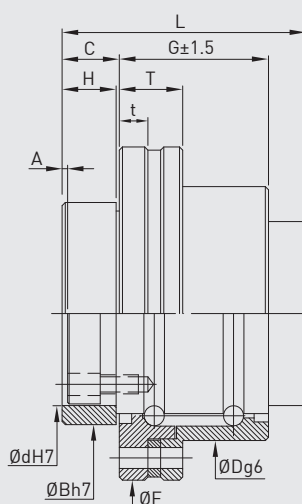
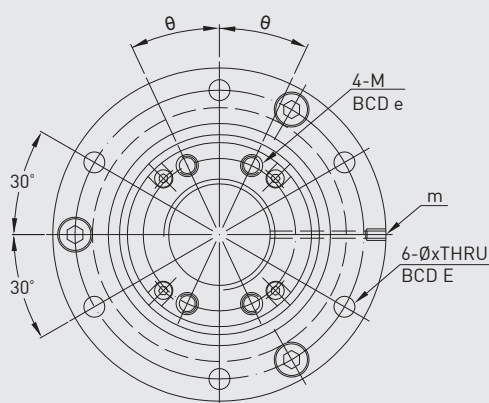
Example: 2R40-40S2-DFSHR1-800-1000-0.018



**HIWIN** R1 code

## R1 ROTATING NUT

China Patent No. 422327  
Germany Patent No. 10108647.4  
Taiwan Patent No.166845  
U.S.A. Patent No. 6406188B1



Model	Bearing		Nut				Flange				Bolt				Bush				Oil hole
	Dynamic Load(kgf)	Static Load(kgf)	D	G	L	C	F	T	t	BCD-E	BCD-e	θ	M	X	d	B	H	A	
16-16S2	1299	1826	52	25	44	11.4	68	13	6	60	26	20	M4x0.7P	4.5	33	40	11	2	M4x0.7P
20-20S2	1762	2531	62	30	50	12	78	13	6	70	31	20	M5x0.8P	4.5	39	50	11	2	M4x0.7P
25-25S2	1946	3036	72	37	63	16.5	92	13	6	81	38	20	M6x1P	5.5	47	58	15.5	3	M4x0.7P
32-32S2	3150	5035	80	47	80	21	105	20	9	91	48	25	M6x1P	6.6	58	66	20	3	M6x0.75P
40-40S2	4800	8148	110	62	98	22.5	140	20	9	123	61	25	M8x1.25P	9	73	90	21.5	3	M6x0.75P