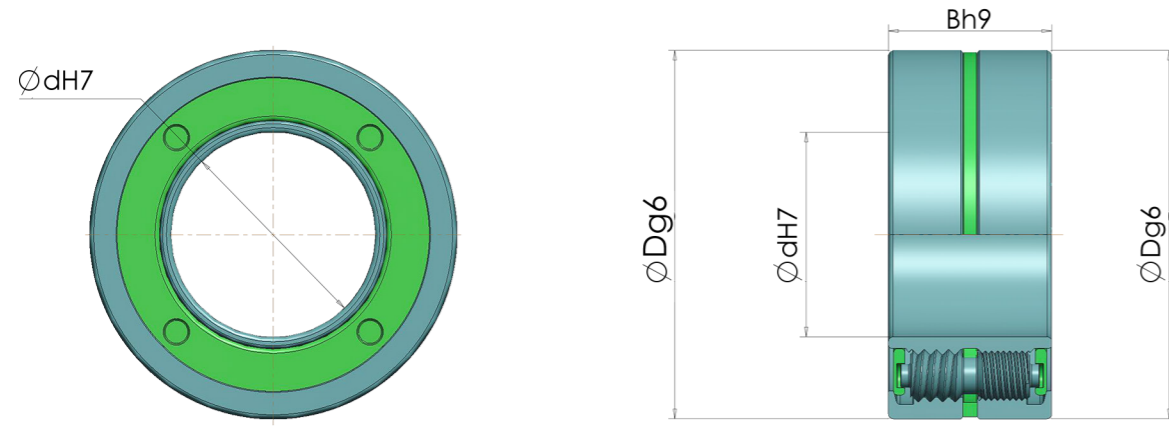
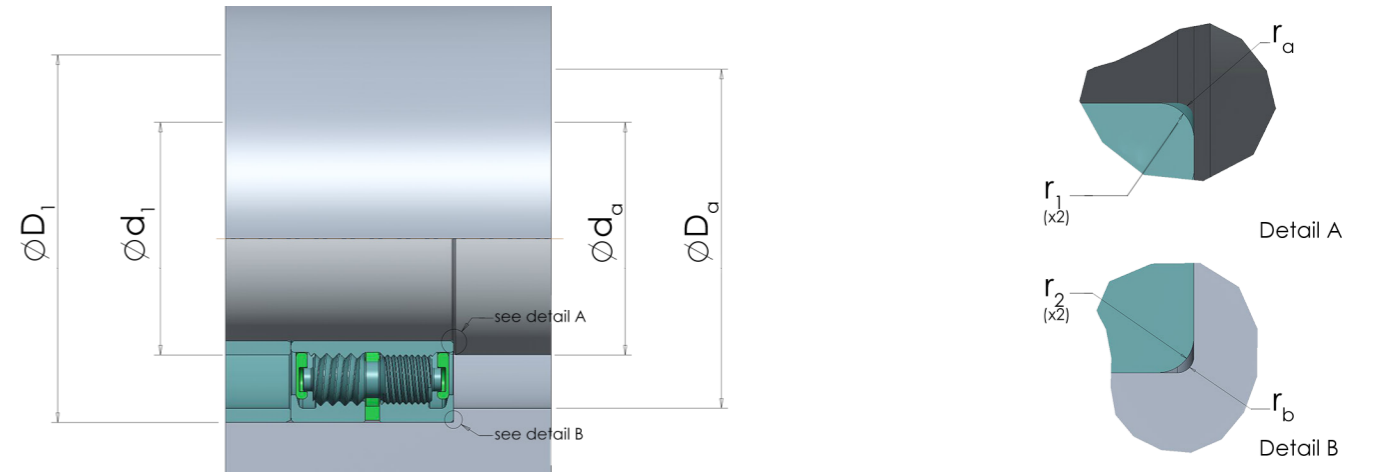


**HDS – Single Differentiated HRB**  
d 12 – 150 mm



**HDS – Mounting on an end shaft**



Principal dimensions			Basic load ratings		Lifetime benefit <sup>(1)</sup>	Speed ratings		Mass
d	D	B	C	C <sub>0</sub>		Reference speed	Limiting speed	
mm			kN		–	r/min		kg
12	32	20	24	22	7x	25000	29100	0.09
15	35	22	30	31	7x	20000	23300	0.11
17	40	24	37	42	9x	17600	20500	0.16
20	47	28	68	74	25x	15000	17500	0.27
25	52	30	85	98	39x	12000	14000	0.32
30	62	32	104	125	19x	10000	11600	0.48
35	72	34	130	159	17x	8500	10000	0.68
40	80	36	151	193	17x	7500	8700	0.86
45	85	38	174	230	23x	6600	7700	0.96
50	90	40	218	233	38x	6000	7000	1.09
55	100	42	242	257	28x	5400	6300	1.41
60	110	44	274	310	21x	5000	5800	1.82
65	120	46	319	387	26x	4600	5300	2.26
70	125	48	330	408	20x	4200	5000	2.47
75	130	50	365	473	30x	4000	4600	2.64
80	140	52	431	546	31x	3700	4300	3.24
85	150	56	493	683	27x	3500	4100	4.06
90	160	60	564	840	27x	3300	3800	4.94
95	170	64	629	1005	27x	3100	3600	6.02
100	180	68	703	1194	28x	3000	3500	7.15
110	200	76	849	1605	29x	2700	3100	9.94
120	215	80	936	1854	43x	2500	2900	11.83
130	230	80	969	1907	33x	2300	2600	13.31
140	250	84	1068	2190	36x	2100	2500	16.70
150	270	90	1216	2681	42x	2000	2300	21.03

Designations Herringbone Roller Bearing	Dimensions				Abutment and fillet			
	d	d <sub>1</sub>	D <sub>1</sub>	r <sub>1,2</sub> max	d <sub>a</sub> max	D <sub>a</sub> min	r <sub>a</sub> max	r <sub>b</sub> max
–	mm							
<b>HDS - 012</b>	12	17	27	0.6	17	27	0.6	0.3
<b>HDS - 015</b>	15	20	30	0.6	20	30	0.6	0.3
<b>HDS - 017</b>	17	22	35	0.6	22	35	0.6	0.6
<b>HDS - 020</b>	20	26	41	1	26	41	1	0.6
<b>HDS - 025</b>	25	31	46	1	31	46	1	0.6
<b>HDS - 030</b>	30	36	56	1	36	56	1	0.6
<b>HDS - 035</b>	35	42	65	1.1	42	65	1	0.6
<b>HDS - 040</b>	40	47	73	1.1	47	73	1	0.6
<b>HDS - 045</b>	45	52	78	1.1	52	78	1	0.6
<b>HDS - 050</b>	50	57	83	1.1	57	83	1	0.6
<b>HDS - 055</b>	55	64	91	1.5	64	91	1.5	1
<b>HDS - 060</b>	60	69	101	1.5	69	101	1.5	1
<b>HDS - 065</b>	65	74	111	1.5	74	111	1.5	1
<b>HDS - 070</b>	70	79	116	1.5	79	116	1.5	1
<b>HDS - 075</b>	75	84	121	1.5	84	121	1.5	1
<b>HDS - 080</b>	80	91	129	2	91	129	2	1
<b>HDS - 085</b>	85	96	139	2	96	139	2	1
<b>HDS - 090</b>	90	101	149	2	101	149	2	1
<b>HDS - 095</b>	95	107	158	2.1	107	158	2	1
<b>HDS - 100</b>	100	112	168	2.1	112	168	2	1
<b>HDS - 110</b>	110	122	188	2.1	122	188	2	1
<b>HDS - 120</b>	120	132	203	2.1	132	203	2	1
<b>HDS - 130</b>	130	144	216	3	144	216	2.5	1
<b>HDS - 140</b>	140	154	236	3	154	236	2.5	1
<b>HDS - 150</b>	150	164	256	3	164	256	2.5	1

(<sup>1</sup>): It compares the bearing with a set of 2xACBBs of the same dimensions

