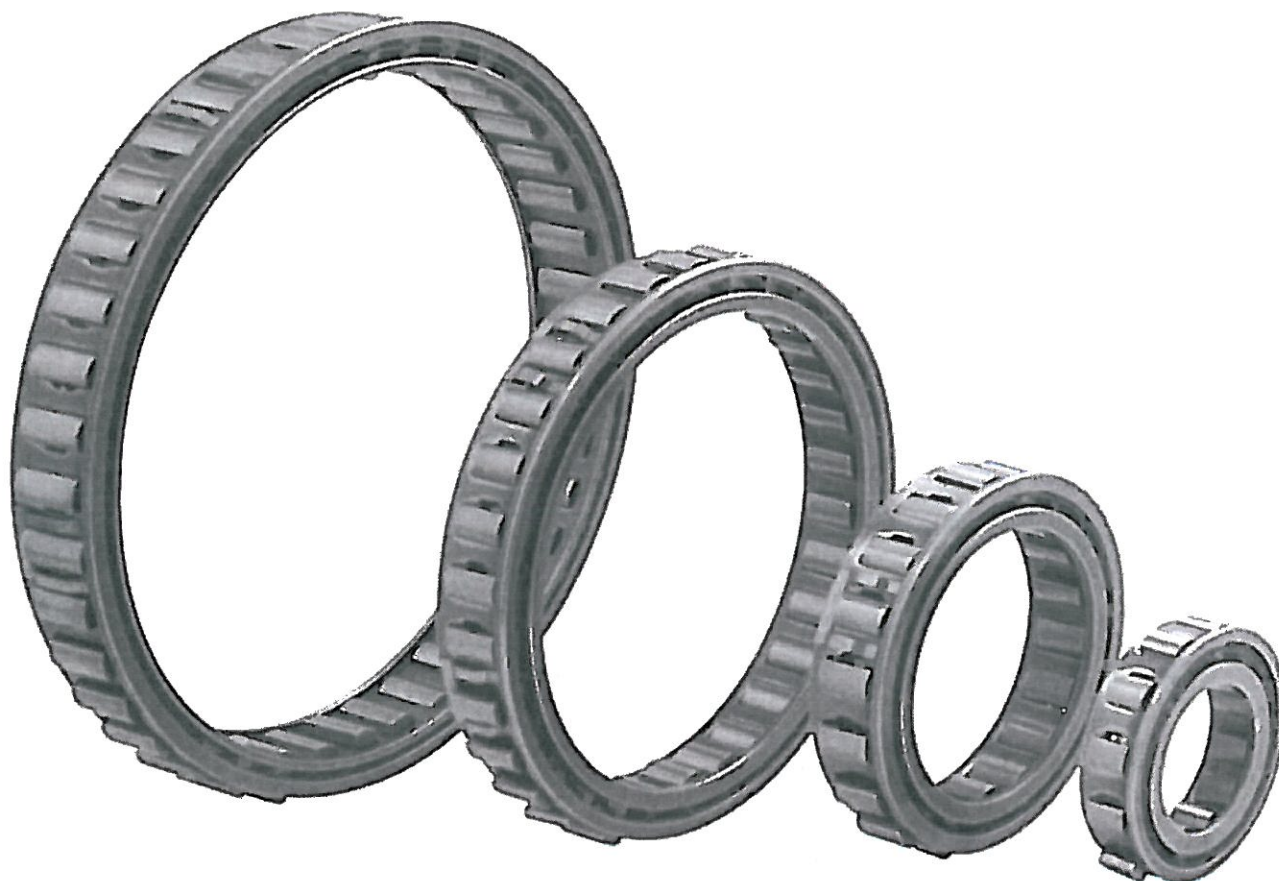


# **RENOLD**

## **Clutches & Couplings**

### **Type - REGP**



The REGP series is a cage comprising of sprag elements running as a freewheel on races primarily measured in inches.

This design offers high torque transmission within compact dimensions. In turn this enables cost effective technical solutions.

Fitting multiple cages side-by-side increases torque transmission capability. It is necessary to place one or two bearings next to the freewheel so that the outer race can rotate centrally to the inner race.

When this freewheel is used in conjunction with machined seats or shafts, the following specifications must be adhered to:

- 1) Surface hardness to 60 / 62 HRC
- 2) Hardened surface layer to be at least 1mm deep after grinding.
- 3) Concentric rotation of the races to be ensured.
- 4) Suitable lubricant to be used for the application.

For further information please contact our technical department on +44 (0) 2920 792737

#### **RENOLD CLUTCHES & COUPLINGS**

**Wentloog Corporate Park,  
Newlands Road,  
Cardiff,  
Wales,  
UK**

**Tel: 0044 (0) 2920 792 737**

**Fax: 0044 (0) 2920 791 360**

Visit Renold at : [www.renold.com](http://www.renold.com)

# RENOLD

## Clutches & Couplings

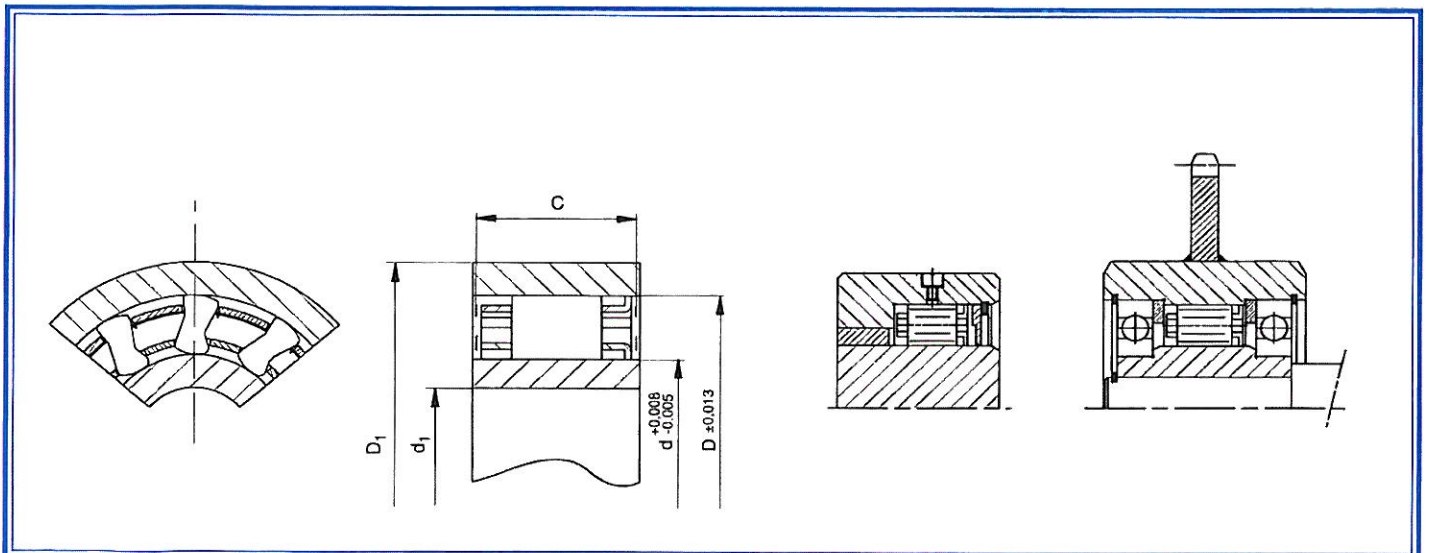
### Type - REGP

Product Reference	T <sub>N</sub> Nm	Inner Race n max 2 min - 1	Outer Race n max 2 min - 1	d mm	D mm	Sprag space mm	C min mm	d1 max mm	D1 min mm	Number of clips	Number of sprags	Weight kg
REGP 2222 G	63	8600	4300	22,225	38,885	8,33 +/- 0,1	10,0	15	50	-	12	0,030
REGP 2776	119	6900	3400	27,762	44,422	8,33 +/- 0,1	13,5	18	58	-	14	0,065
REGP 3034	124	6300	3100	30,340	47,000	8,33 +/- 0,1	13,5	20	62	-	14	0,060
REGP 3175 (3C)	159	6000	3000	31,750	48,410	8,33 +/- 0,1	13,5	21	63	3	16	0,060
REGP 3809 A	275	5000	2500	38,092	54,752	8,33 +/- 0,1	16,0	25	71	-	18	0,085
REGP 4127 (3C)	224	4600	2300	41,275	57,935	8,33 +/- 0,1	13,5	27	75	3	18	0,090
REGP 4445 A	363	4300	2100	44,450	61,110	8,33 +/- 0,1	16,0	29	79	-	20	0,095
REGP 4972 (4C)	306	3800	1900	49,721	66,381	8,33 +/- 0,1	13,5	33	86	4	22	0,100
REGP 5476 A	525	3500	1700	54,765	71,425	8,33 +/- 0,1	16,0	36	92	-	24	0,110
REGP 5476 A (4C)	525	3500	1700	54,765	71,425	8,33 +/- 0,1	16,0	36	92	4	24	0,130
REGP 5476 B (4C)	769	3500	1700	54,765	71,425	8,33 +/- 0,1	21,0	36	92	4	24	0,180
REGP 5476 C (4C)	990	3500	1700	54,765	71,425	8,33 +/- 0,1	25,4	36	92	4	24	0,200
REGP 5776 A	604	3300	1600	54,760	74,420	8,33 +/- 0,1	16,0	38	98	-	26	0,110
REGP 6334 B	806	3000	1500	63,340	80,000	8,33 +/- 0,1	21,0	42	104	-	26	0,175
REGP 7221 (5C)	675	2600	1300	72,217	88,877	8,33 +/- 0,1	13,5	48	115	5	30	0,140
REGP 7221 B	1279	2600	1300	72,217	88,877	8,33 +/- 0,1	21,0	48	115	-	30	0,185
REGP 7221 B (5C)	1279	2600	1300	72,217	88,877	8,33 +/- 0,1	21,0	48	115	5	30	0,210
REGP 7969 (5C)	2038	2400	1200	79,698	96,358	8,33 +/- 0,1	25,4	53	124	5	34	0,280
REGP 8334 C	2055	2300	1100	83,340	100,000	8,33 +/- 0,1	25,4	55	132	-	34	0,270
REGP 8729 A	1250	2200	1100	87,290	103,960	8,33 +/- 0,1	16,0	58	134	-	34	0,165
REGP 10323 A (3C)*	1612	1800	900	103,231 **	119,891	8,33 +/- 0,1	16,0	68	155	3	40	0,205
REGP 12334 C*	4800	1500	750	123,340 **	140,000	8,33 +/- 0,1	25,4	80	184	-	50	0,400
REGP 12388 C (11C)	4875	1500	750	123,881	142,880	9,50 +/- 0,1	25,4	80	186	11	44	0,400

#### Notes

$$T_{MAX} = 2 \times T_N$$

- 1) Inner race is faster than the outer race
  - 2) Outer race is faster than the inner race
- \*) The inner cage centering flange is on the opposite side  
 \*\*) Extension of tolerance to +/- 0,013 permissible



# **RENOLD**

## **Clutches & Couplings**

### **Interchange Chart - REGP v BWX / DC Cage Assemblies**

<b>Renold</b>	<b>Ringspann</b>	<b>Formsprag - Stieber</b>
REGP 2222 G	BWX 133590 A	DC 2222 G
REGP 2776	BWX 13143 A	DC 2776
REGP 3034	N / A	DC 3034
REGP 3175 (3C)	BWX 1310028	DC 3175 (3C)
REGP 3809 A	BWX 133392	DC 3809 A
REGP 4127 (3C)	BWX 1310145 (3C)	DC 4127 (3C)
REGP 4127 (3C)	BWX 13244	DC 4127 (3C)
REGP 4445 A	BWX 132909 A (3C)	DC 4445 A
REGP 4972 (4C)	BWX 133339 (4C)	DC 4972 (4C)
REGP 4972 (4C)	BWX 1310003 (4C)	DC 4972 (4C)
*	BWX 137222	N / A
REGP 5476 A	BWX 1310172	DC 5476 A
REGP 5476 A (4C)	BWX 1310226 (4C)	DC 5476 A (4C)
REGP 5476 A	BWX 133780	DC 5476 A
REGP 5476 B (4C)	BWX 136709 (10C)	DC 5476 B (4C)
REGP 5476 C	BWX 1310147 (8C)	DC 5476 C
REGP 5776 A	BWX 136324	DC 5776 A
REGP 6334 B	N / A	DC 6334 B
REGP 7221 (5C)	BWX 1310080	DC 7221 (5C)
REGP 7221 B	BWX 13168	DC 7221 B
REGP 7221 B (5C)	BWX 134012 (10C)	DC 7221 B (5C)
*	BWX 133687 (4C)	N / A
REGP 7969 C (5C)	BWX 137322 (12)	DC 7969 C
*	BWX 134008 A (17C)	N / A
REGP 10323 A (5C)	BWX 13261 A (10C)	DC 10323 A (5C)
*	BWX 13236 (6C)	N / A
REGP 12388 C (11C)	BWX 133403 B (11C)	DC 12388 C (11C)
REGP 12388 C (11C)	BWX 134311	DC 12388 C (11C)
REGP 8334 C	N / A	DC 8334 C
REGP 12334 C	N / A	DC 12334 C

\* Please contact Renold for advice and alternative product selection.

Please note that the number and letter C reference placed in brackets after some part numbers denotes the number of clips used within the retainer construction. This varies by manufacturer.

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