

Rear Derailleur Shimano8000		ORIGINAL	CDJ•BPK 9100		CDJ•BPK 9100 + Full Ceramic Bearing		CDJ•BPK 9100 V3		CDJ•BPK 9100 V3 + Full Ceramic Bearing		CDJ•BPK V3plus 9100		CDJ•BPK V3plus 9100 + Full Ceramic Bearing	
FRONT	REAR GEAR	LOAD FACTOR	LOAD FACTOR	Reducing Rate	LOAD FACTOR	Reducing Rate	LOAD FACTOR	Reducing Rate	LOAD FACTOR	Reducing Rate	LOAD FACTOR	Reducing Rate	LOAD FACTOR	Reducing Rate
OUTER (50T)	1st(28T)	83.9	41.1	51%	40.8	51%	40.3	52%	40.0	52%	40.3	52%	40.0	52%
	2nd(25T)	85.8	43.4	49%	42.9	50%	43.1	50%	42.3	51%	42.5	50%	42.1	51%
	3rd(23T)	87.7	47.3	46%	46.9	47%	46.5	47%	44.9	49%	48.8	44%	48.1	45%
	4th(21T)	91.9	55.8	39%	54.6	41%	55.4	40%	53.5	42%	55.5	40%	54.3	41%
	5th(19T)	103.6	67.1	35%	64.8	37%	66.0	36%	65.4	37%	64.3	38%	62.9	39%
	6th(17T)	120.0	82.5	31%	80.8	33%	81.9	32%	78.8	34%	79.9	33%	78.6	35%
	7th(16T)	142.9	109.8	23%	106.1	26%	107.4	25%	106.1	26%	104.5	27%	99.4	30%
	8th(14T)	160.4	123.5	23%	123.0	23%	123.6	23%	122.8	23%	121.0	25%	115.6	28%
	9th(13T)	-	146.0	-	143.8	-	145.5	-	144.1	-	143.8	-	138.8	-
	10th(12T)	-	-	-	-	-	-	-	-	-	-	-	-	-
	11th(11T)	-	-	-	-	-	-	-	-	-	-	-	-	-
INNER (34T)	1st(28T)	-	-	-	-	-	-	-	-	-	-	-	-	-
	2nd(25T)	-	-	-	-	-	-	-	-	-	-	-	-	-
	3rd(23T)	-	-	-	-	-	-	-	-	-	-	-	-	-
	4th(21T)	-	-	-	-	-	-	-	-	-	-	-	-	-
	5th(19T)	-	-	-	-	-	-	-	-	-	-	-	-	-
	6th(17T)	-	-	-	-	-	-	-	-	-	-	-	-	-
	7th(16T)	71.5	45.3	37%	44.1	38%	44.1	38%	43.4	39%	44.6	38%	43.5	39%
	8th(14T)	78.1	53.3	32%	50.4	35%	50.9	35%	50.3	36%	52.3	33%	51.3	34%
	9th(13T)	87.0	63.8	27%	61.4	29%	60.0	31%	59.0	32%	59.9	31%	58.1	33%
	10th(12T)	97.1	69.1	29%	68.9	29%	69.1	29%	67.0	31%	70.0	28%	67.9	30%
	11th(11T)	104.6	84.8	19%	84.5	19%	84.4	19%	83.6	20%	86.1	18%	83.4	20%

Rear Derailleur Shimano6800		ORIGINAL	CDJ•BPK V2		CDJ•BPK V2 + Full Ceramic Bearing		CDJ•BPK V3		CDJ•BPK V3 + Full Ceramic Bearing		CDJ•BPK V3plus		CDJ•BPK V3plus + Full Ceramic Bearing	
FRONT	REAR GEAR	LOAD FACTOR	LOAD FACTOR	Reducing Rate	LOAD FACTOR	Reducing Rate	LOAD FACTOR	Reducing Rate	LOAD FACTOR	Reducing Rate	LOAD FACTOR	Reducing Rate	LOAD FACTOR	Reducing Rate
OUTER (50T)	1st(28T)	83.9	41.3	51%	40.8	51%	40.0	52%	40.0	52%	40.6	52%	40.0	52%
	2nd(25T)	85.8	43.0	50%	42.5	50%	42.3	51%	41.8	51%	42.8	50%	42.4	51%
	3rd(23T)	87.7	47.0	46%	46.0	48%	46.3	47%	44.0	50%	48.9	44%	48.9	44%
	4th(21T)	91.9	55.8	39%	53.3	42%	54.8	40%	52.1	43%	55.4	40%	53.5	42%
	5th(19T)	103.6	66.3	36%	64.6	38%	65.5	37%	63.5	39%	64.4	38%	63.8	38%
	6th(17T)	120.0	82.9	31%	80.9	33%	81.3	32%	78.8	34%	79.5	34%	78.5	35%
	7th(16T)	142.9	109.0	24%	106.0	26%	106.6	25%	105.0	27%	105.0	27%	100.3	30%
	8th(14T)	160.4	124.8	22%	123.8	23%	123.1	23%	122.8	23%	121.1	25%	114.9	28%
	9th(13T)	-	146.8	-	145.6	-	145.4	-	143.9	-	142.5	-	137.5	-
	10th(12T)	-	-	-	-	-	-	-	-	-	-	-	-	-
	11th(11T)	-	-	-	-	-	-	-	-	-	-	-	-	-
INNER (34T)	1st(28T)	-	-	-	-	-	-	-	-	-	-	-	-	-
	2nd(25T)	-	-	-	-	-	-	-	-	-	-	-	-	-
	3rd(23T)	-	-	-	-	-	-	-	-	-	-	-	-	-
	4th(21T)	-	-	-	-	-	-	-	-	-	-	-	-	-
	5th(19T)	-	-	-	-	-	-	-	-	-	-	-	-	-
	6th(17T)	-	-	-	-	-	-	-	-	-	-	-	-	-
	7th(16T)	71.5	45.4	37%	44.3	38%	44.4	38%	43.3	39%	44.9	37%	43.0	40%
	8th(14T)	78.1	53	32%	49.5	37%	51.9	34%	49.9	36%	50.9	35%	50.6	35%
	9th(13T)	87	62.9	28%	61.4	29%	60.5	30%	58.5	33%	59.0	32%	58.3	33%
	10th(12T)	97.1	69.6	28%	70.5	27%	68.6	29%	66.5	32%	68.6	29%	68.9	29%
	11th(11T)	104.6	85.3	18%	84.6	19%	84.5	19%	83	21%	84.8	19%	84.1	20%

Compared with V2 Gained in efficiency
Compared with V2 Gained in efficiency
Compared with V3 Gained in efficiency
Compared with V3 Full ceramic bearing Gained in efficiency