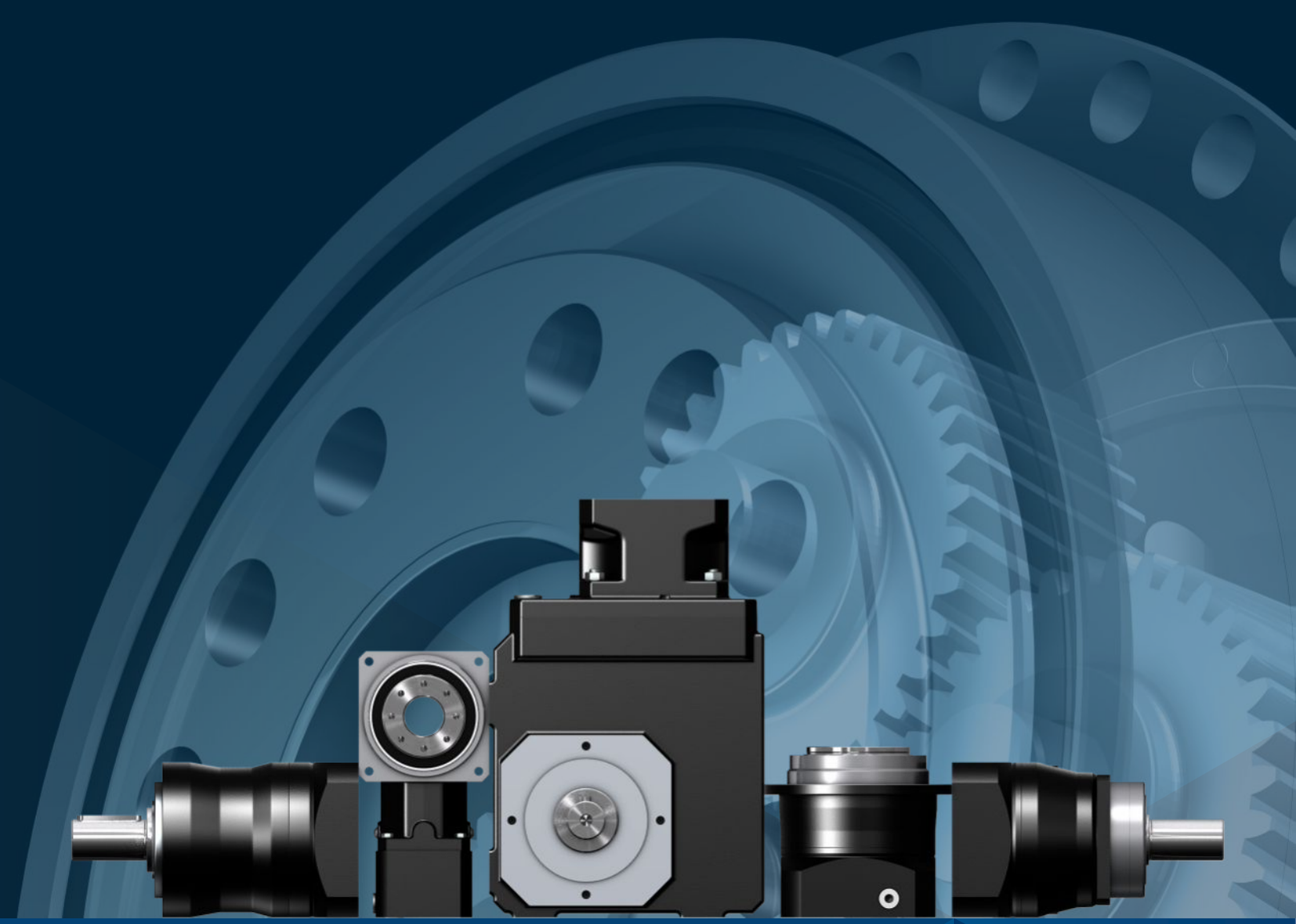

STOBER Gearset list

STÖBER

Gearset list

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Type	i_{tot}	Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
P231_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	9	205633	205628	209453
P231_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	9	205635	205629	209453
P231_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	9	215785	205630	209453
P231_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	9	215786	205630	210806
P231_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	9	215787	205631	209453
P232_0160	16.00	36	35	108	4.000	9	205633	205628	209454	36	35	108	4.000	9	205633	205628	209453
P232_0200	20.00	36	35	108	4.000	9	205633	205628	209454	27	40	108	5.000	9	205635	205629	209453
P232_0250	25.00	27	40	108	5.000	9	205635	205629	209454	27	40	108	5.000	9	205635	205629	209453
P232_0280	28.00	18	44	108	7.000	9	215785	205630	209454	36	35	108	4.000	9	205633	205628	209453
P232_0320	32.00	36	35	108	4.000	9	205633	205628	209454	15	44	105	8.000	9	215786	205630	210806
P232_0350	35.00	18	44	108	7.000	9	215785	205630	209454	27	40	108	5.000	9	205635	205629	209453
P232_0400	40.00	12	47	108	10.00	9	215787	205631	209454	36	35	108	4.000	9	205633	205628	209453
P232_0500	50.00	12	47	108	10.00	9	215787	205631	209454	27	40	108	5.000	9	205635	205629	209453
P232_0560	56.00	18	44	108	7.000	9	215785	205630	209454	15	44	105	8.000	9	215786	205630	210806
P232_0700	70.00	12	47	108	10.00	9	215787	205631	209454	18	44	108	7.000	9	215785	205630	209453
P232_0800	80.00	12	47	108	10.00	9	215787	205631	209454	15	44	105	8.000	9	215786	205630	210806
P232_1000	100.0	12	47	108	10.00	9	215787	205631	209454	12	47	108	10.00	9	215787	205631	209453
P331_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	11	212601	212639	212705
P331_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	9	214091	212639	212705
P331_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	11	212602	212640	212705
P331_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	9	214092	212640	212705
P331_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	11	212603	212641	212705
P331_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	9	214100	212641	212705
P331_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	11	212604	212642	212705
P331_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	9	214601	212642	212705
P331_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	11	212605	212642	212707
P331_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	9	214602	212642	212707
P331_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	11	212606	212643	212705
P331_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	9	214603	212643	212705
P332_0120	12.00	36	35	108	4.000	9	205633	205628	212737	54	26	108	3.000	11	212601	212639	212705
P332_0160	16.00	36	35	108	4.000	9	205633	205628	212737	36	35	108	4.000	11	212602	212640	212705
P332_0200	20.00	36	35	108	4.000	9	205633	205628	212737	27	40	108	5.000	11	212603	212641	212705
P332_0250	25.00	27	40	108	5.000	9	205635	205629	212737	27	40	108	5.000	11	212603	212641	212705
P332_0280	28.00	18	44	108	7.000	9	215785	205630	212737	36	35	108	4.000	11	212602	212640	212705
P332_0320	32.00	36	35	108	4.000	9	205633	205628	212737	15	44	105	8.000	11	212605	212642	212707
P332_0350	35.00	18	44	108	7.000	9	215785	205630	212737	27	40	108	5.000	11	212603	212641	212705
P332_0400	40.00	12	47	108	10.00	9	215787	205631	212737	36	35	108	4.000	11	212602	212640	212705
P332_0500	50.00	12	47	108	10.00	9	215787	205631	212737	27	40	108	5.000	11	212603	212641	212705
P332_0560	56.00	18	44	108	7.000	9	215785	205630	212737	15	44	105	8.000	11	212605	212642	212707
P332_0700	70.00	12	47	108	10.00	9	215787	205631	212737	18	44	108	7.000	11	212604	212642	212705
P332_0800	80.00	12	47	108	10.00	9	215787	205631	212737	15	44	105	8.000	11	212605	212642	212707
P332_1000	100.0	12	47	108	10.00	9	215787	205631	212737	12	47	108	10.00	11	212606	212643	212705
P431_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	14	212607	212644	212709
P431_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	14	212608	212645	212709
P431_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	14	212609	212646	212709
P431_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	14	212610	212647	212709
P431_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	14	212611	212647	212711
P431_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	212612	212648	212709
P432_0120	12.00	36	35	108	4.000	11	215037	215041	215031	54	26	108	3.000	14	212607	212644	212709
P432_0120	12.00	36	35	108	4.000	9	214673	215041	215031	54	26	108	3.000	14	212607	212644	212709
P432_0160	16.00	36	35	108	4.000	11	215037	215041	215031	36	35	108	4.000	14	212608	212645	212709
P432_0160	16.00	36	35	108	4.000	9	214673	215041	215031	36	35	108	4.000	14	212608	212645	212709
P432_0200	20.00	36	35	108	4.000	11	215037	215041	215031	27	40	108	5.000	14	212609	212646	212709
P432_0200	20.00	36	35	108	4.000	9	214673	215041	215031	27	40	108	5.000	14	212609	212646	212709
P432_0250	25.00	27	40	108	5.000	11	215038	215042	215031	27	40	108	5.000	14	212609	212646	212709
P432_0250	25.00	27	40	108	5.000	9	214674	215042	215031	27	40	108	5.000	14	212609	212646	212709
P432_0280	28.00	18	44	108	7.000	11	215039	215043	215031	36	35	108	4.000	14	212608	212645	212709
P432_0280	28.00	18	44	108	7.000	9	214675	215043	215031	36	35	108	4.000	14	212608	212645	212709
P432_0320	32.00	36	35	108	4.000	11	215037	215041	215031	15	44	105	8.000	14	212611	212647	212711
P432_0320	32.00	36	35	108	4.000	9	214673	215041	215031	15	44	105	8.000	14	212611	212647	212711
P432_0350	35.00	18	44	108	7.000	11	215039	215043	215031	27	40	108	5.000	14	212609	212646	212709
P432_0350	35.00	18	44	108	7.000	9	214675	215043	215031	27	40	108	5.000	14	212609	212646	212709
P432_0400	40.00	12	47	108	10.00	9	214676	215044	215031	36	35	108	4.000	14	212608	212645	212709
P432_0400	40.00	12	47	108	10.00	11	215040	215044	215031	36	35	108	4.000	14	212608	212645	212709
P432_0500	50.00	12	47	108	10.00	11	215040	215044	215031	27	40	108	5.000	14	212609	212646	212709
P432_0500	50.00	12	47	108	10.00	9	214676	215044	215031	27	40	108	5.000	14	212609	212646	212709
P432_0560	56.00	18	44	108	7.000	11	215039	215043	215031	15	44	105	8.000	14	212611	212647	212711
P432_0560	56.00	18	44	108	7.000	9	214675	215043	215031	15	44	105	8.000	14	212611	212647	212711
P432_0700	70.00	12	47	108	10.00	11	215040	215044	215031	18	44	108	7.000	14	212610	212647	212709
P432_0700	70.00	12	47	108	10.00	9	214676	215044	215031	18	44	108	7.000	14	212610	212647	212709
P432_0800	80.00	12	47	108	10.00	11	215040	215044	215031	15	44	105	8.000	14	212611	212647	212711
P432_0800	80.00	12	47	108	10.00	9	214676	215044	215031	15	44	105	8.000	14	212611	212647	212711
P432_1000	100.0	12	47	108	10.00	11	215040	215044	215031	12	47	108	10.00	14	212612	212648	212709
P432_1000	100.0	12	47	108	10.00	9	214676	215044	215031	12	47	108	10.00	14	212612	212648	212709
P531_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	14	214610	212650	212713

Type	i_{tot}	Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
P531_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	18	212614	212650	212713
P531_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	14	214611	212651	212713
P531_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	18	212615	212651	212713
P531_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	14	214612	212652	212713
P531_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	18	212616	212652	212713
P531_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	14	214613	212653	212713
P531_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	18	212617	212653	212713
P531_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	14	214614	212653	212715
P531_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	18	212618	212653	212715
P531_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	214615	212654	212713
P531_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	18	212619	212654	212713
P532_0120	12.00	36	35	108	4.000	14	214677	212966	212741	54	26	108	3.000	18	212614	212650	212713
P532_0160	16.00	36	35	108	4.000	14	214677	212966	212741	36	35	108	4.000	18	212615	212651	212713
P532_0200	20.00	36	35	108	4.000	14	214677	212966	212741	27	40	108	5.000	18	212616	212652	212713
P532_0250	25.00	27	40	108	5.000	14	214678	212967	212741	27	40	108	5.000	18	212616	212652	212713
P532_0280	28.00	18	44	108	7.000	14	212977	212968	212741	36	35	108	4.000	18	212615	212651	212713
P532_0320	32.00	36	35	108	4.000	14	214677	212966	212741	15	44	105	8.000	18	212618	212653	212715
P532_0350	35.00	18	44	108	7.000	14	212977	212968	212741	27	40	108	5.000	18	212616	212652	212713
P532_0400	40.00	12	47	108	10.00	14	212978	212969	212741	36	35	108	4.000	18	212615	212651	212713
P532_0500	50.00	12	47	108	10.00	14	212978	212969	212741	27	40	108	5.000	18	212616	212652	212713
P532_0560	56.00	18	44	108	7.000	14	212977	212968	212741	15	44	105	8.000	18	212618	212653	212715
P532_0700	70.00	12	47	108	10.00	14	212978	212969	212741	18	44	108	7.000	18	212617	212653	212713
P532_0800	80.00	12	47	108	10.00	14	212978	212969	212741	15	44	105	8.000	18	212618	212653	212715
P532_1000	100.0	12	47	108	10.00	14	212978	212969	212741	12	47	108	10.00	18	212619	212654	212713
P731_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	18	214616	212656	212717
P731_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	25	212621	212656	212717
P731_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	18	214617	212657	212717
P731_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	25	212622	212657	212717
P731_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	18	214618	212658	212717
P731_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	25	212623	212658	212717
P731_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	18	214619	212659	212717
P731_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	25	212624	212659	212717
P731_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	18	214620	212659	212719
P731_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	25	212625	212659	212719
P731_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	18	214621	212660	212717
P731_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	25	212626	212660	212717
P732_0120	12.00	36	35	108	4.000	18	214683	212971	212743	54	26	108	3.000	25	212621	212656	212717
P732_0120	12.00	36	35	108	4.000	14	214685	212971	212743	54	26	108	3.000	25	212621	212656	212717
P732_0160	16.00	36	35	108	4.000	14	214685	212971	212743	36	35	108	4.000	25	212622	212657	212717
P732_0160	16.00	36	35	108	4.000	18	214683	212971	212743	36	35	108	4.000	25	212622	212657	212717
P732_0200	20.00	36	35	108	4.000	14	214685	212971	212743	27	40	108	5.000	25	212623	212658	212717
P732_0200	20.00	36	35	108	4.000	18	214683	212971	212743	27	40	108	5.000	25	212623	212658	212717
P732_0250	25.00	27	40	108	5.000	14	214686	212972	212743	27	40	108	5.000	25	212623	212658	212717
P732_0250	25.00	27	40	108	5.000	18	214684	212972	212743	27	40	108	5.000	25	212623	212658	212717
P732_0280	28.00	18	44	108	7.000	14	214687	212973	212743	36	35	108	4.000	25	212622	212657	212717
P732_0280	28.00	18	44	108	7.000	18	212979	212973	212743	36	35	108	4.000	25	212622	212657	212717
P732_0320	32.00	36	35	108	4.000	14	214685	212971	212743	15	44	105	8.000	25	212625	212659	212719
P732_0320	32.00	36	35	108	4.000	18	214683	212971	212743	15	44	105	8.000	25	212625	212659	212719
P732_0350	35.00	18	44	108	7.000	14	214687	212973	212743	27	40	108	5.000	25	212623	212658	212717
P732_0350	35.00	18	44	108	7.000	18	212979	212973	212743	27	40	108	5.000	25	212623	212658	212717
P732_0400	40.00	12	47	108	10.00	14	214688	212974	212743	36	35	108	4.000	25	212622	212657	212717
P732_0400	40.00	12	47	108	10.00	18	212980	212974	212743	36	35	108	4.000	25	212622	212657	212717
P732_0500	50.00	12	47	108	10.00	14	214688	212974	212743	27	40	108	5.000	25	212623	212658	212717
P732_0500	50.00	12	47	108	10.00	18	212980	212974	212743	27	40	108	5.000	25	212623	212658	212717
P732_0560	56.00	18	44	108	7.000	14	214687	212973	212743	15	44	105	8.000	25	212625	212659	212719
P732_0560	56.00	18	44	108	7.000	18	212979	212973	212743	15	44	105	8.000	25	212625	212659	212719
P732_0700	70.00	12	47	108	10.00	14	214688	212974	212743	18	44	108	7.000	25	212624	212659	212717
P732_0700	70.00	12	47	108	10.00	18	212980	212974	212743	18	44	108	7.000	25	212624	212659	212717
P732_0800	80.00	12	47	108	10.00	14	214688	212974	212743	15	44	105	8.000	25	212625	212659	212719
P732_0800	80.00	12	47	108	10.00	18	212980	212974	212743	15	44	105	8.000	25	212625	212659	212719
P732_1000	100.0	12	47	108	10.00	18	212980	212974	212743	12	47	108	10.00	25	212626	212660	212717
P732_1000	100.0	12	47	108	10.00	14	214688	212974	212743	12	47	108	10.00	25	212626	212660	212717
P831_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	25	214622	212662	212721
P831_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	35	212628	212662	212721
P831_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	25	214623	212663	212721
P831_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	35	212629	212663	212721
P831_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	25	214624	212664	212721
P831_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	35	212630	212664	212721
P831_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	25	214625	212665	212721
P831_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	35	212631	212665	212721
P831_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	35	212632	212665	212723
P831_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	25	214626	212665	212723
P831_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	35	212633	212666	212721
P831_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	25	214627	212666	212721
P832_0120	12.00	36	35	108	4.000	18	214617	212657	212745	54	26	108	3.000	35	212628	212662	212721
P832_0120	12.00	36	35	108	4.000	25	212622	212657	212745	54	26	108	3.000	35	212628	212662	212721
P832_0160	16.00	36	35	108	4.000	18	214617	212657	212745	36	35	108	4.000	35	212629	212663	212721
P832_0160	16.00	36	35	108	4.000	25	212622	212657	212745	36	35	108	4.000	35	212629	212663	212721

Type	i_{tot}	Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
P832_0200	20.00	36	35	108	4.000	18	214617	212657	212745	27	40	108	5.000	35	212630	212664	212721
P832_0200	20.00	36	35	108	4.000	25	212622	212657	212745	27	40	108	5.000	35	212630	212664	212721
P832_0250	25.00	27	40	108	5.000	18	214618	212658	212745	27	40	108	5.000	35	212630	212664	212721
P832_0250	25.00	27	40	108	5.000	25	212623	212658	212745	27	40	108	5.000	35	212630	212664	212721
P832_0280	28.00	18	44	108	7.000	25	212624	212659	212745	36	35	108	4.000	35	212629	212663	212721
P832_0280	28.00	18	44	108	7.000	18	214619	212659	212745	36	35	108	4.000	35	212629	212663	212721
P832_0320	32.00	36	35	108	4.000	18	214617	212657	212745	15	44	105	8.000	35	212632	212665	212723
P832_0320	32.00	36	35	108	4.000	25	212622	212657	212745	15	44	105	8.000	35	212632	212665	212723
P832_0350	35.00	18	44	108	7.000	18	214619	212659	212745	27	40	108	5.000	35	212630	212664	212721
P832_0350	35.00	18	44	108	7.000	25	212624	212659	212745	27	40	108	5.000	35	212630	212664	212721
P832_0400	40.00	12	47	108	10.00	18	214621	212660	212745	36	35	108	4.000	35	212629	212663	212721
P832_0400	40.00	12	47	108	10.00	25	212626	212660	212745	36	35	108	4.000	35	212629	212663	212721
P832_0500	50.00	12	47	108	10.00	18	214621	212660	212745	27	40	108	5.000	35	212630	212664	212721
P832_0500	50.00	12	47	108	10.00	25	212626	212660	212745	27	40	108	5.000	35	212630	212664	212721
P832_0560	56.00	18	44	108	7.000	18	214619	212659	212745	15	44	105	8.000	35	212632	212665	212723
P832_0560	56.00	18	44	108	7.000	25	212624	212659	212745	15	44	105	8.000	35	212632	212665	212723
P832_0700	70.00	12	47	108	10.00	18	214621	212660	212745	18	44	108	7.000	35	212631	212665	212721
P832_0700	70.00	12	47	108	10.00	25	212626	212660	212745	18	44	108	7.000	35	212631	212665	212721
P832_0800	80.00	12	47	108	10.00	18	214621	212660	212745	15	44	105	8.000	35	212632	212665	212723
P832_0800	80.00	12	47	108	10.00	25	212626	212660	212745	15	44	105	8.000	35	212632	212665	212723
P832_1000	100.0	12	47	108	10.00	18	214621	212660	212745	12	47	108	10.00	35	212633	212666	212721
P832_1000	100.0	12	47	108	10.00	25	212626	212660	212745	12	47	108	10.00	35	212633	212666	212721
P931_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	40	212635	212668	212725
P931_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	40	212636	212669	212725
P931_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	40	212637	212670	212725
P931_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	40	212638	212671	212725
P932_0160	16.00	36	35	108	4.000	25	214623	212663	212747	36	35	108	4.000	40	212635	212668	212725
P932_0160	16.00	36	35	108	4.000	35	212629	212663	212747	36	35	108	4.000	40	212635	212668	212725
P932_0200	20.00	36	35	108	4.000	25	214623	212663	212747	27	40	108	5.000	40	212636	212669	212725
P932_0200	20.00	36	35	108	4.000	35	212629	212663	212747	27	40	108	5.000	40	212636	212669	212725
P932_0250	25.00	27	40	108	5.000	25	214624	212664	212747	27	40	108	5.000	40	212636	212669	212725
P932_0250	25.00	27	40	108	5.000	35	212630	212664	212747	27	40	108	5.000	40	212636	212669	212725
P932_0280	28.00	18	44	108	7.000	35	212631	212665	212747	36	35	108	4.000	40	212635	212668	212725
P932_0280	28.00	18	44	108	7.000	25	214625	212665	212747	36	35	108	4.000	40	212635	212668	212725
P932_0350	35.00	18	44	108	7.000	25	214625	212665	212747	27	40	108	5.000	40	212636	212669	212725
P932_0350	35.00	18	44	108	7.000	35	212631	212665	212747	27	40	108	5.000	40	212636	212669	212725
P932_0400	40.00	12	47	108	10.00	25	214627	212666	212747	36	35	108	4.000	40	212635	212668	212725
P932_0400	40.00	12	47	108	10.00	35	212633	212666	212747	36	35	108	4.000	40	212635	212668	212725
P932_0500	50.00	12	47	108	10.00	25	214627	212666	212747	27	40	108	5.000	40	212636	212669	212725
P932_0500	50.00	12	47	108	10.00	35	212633	212666	212747	27	40	108	5.000	40	212636	212669	212725
P932_0700	70.00	12	47	108	10.00	25	214627	212666	212747	18	44	108	7.000	40	212637	212670	212725
P932_0700	70.00	12	47	108	10.00	35	212633	212666	212747	18	44	108	7.000	40	212637	212670	212725
P932_1000	100.0	12	47	108	10.00	35	212633	212666	212747	12	47	108	10.00	40	212638	212671	212725
P932_1000	100.0	12	47	108	10.00	25	214627	212666	212747	12	47	108	10.00	40	212638	212671	212725

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Type	i_{tot}	Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
PH331_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	9	214100	212641	215052
PH331_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	11	212603	212641	215052
PH331_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	11	212604	212642	215052
PH331_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	9	214601	212642	215052
PH331_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	11	212606	212643	215052
PH331_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	9	214603	212643	215052
PH332_0200	20.00	36	35	108	4.000	9	205633	205628	212737	27	40	108	5.000	11	212603	212641	215052
PH332_0250	25.00	27	40	108	5.000	9	205635	205629	212737	27	40	108	5.000	11	212603	212641	215052
PH332_0280	28.00	36	35	108	4.000	9	205633	205628	212737	18	44	108	7.000	11	212604	212642	215052
PH332_0350	35.00	18	44	108	7.000	9	215785	205630	212737	27	40	108	5.000	11	212603	212641	215052
PH332_0400	40.00	36	35	108	4.000	9	205633	205628	212737	12	47	108	10.00	11	212606	212643	215052
PH332_0500	50.00	12	47	108	10.00	9	215787	205631	212737	27	40	108	5.000	11	212603	212641	215052
PH332_0700	70.00	12	47	108	10.00	9	215787	205631	212737	18	44	108	7.000	11	212604	212642	215052
PH332_1000	100.0	12	47	108	10.00	9	215787	205631	212737	12	47	108	10.00	11	212606	212643	215052
PH431_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	14	212608	212645	215054
PH431_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	14	212609	212646	215054
PH431_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	14	212610	212647	215054
PH431_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	212612	212648	215054
PH432_0160	16.00	36	35	108	4.000	11	215037	215041	215031	36	35	108	4.000	14	212608	212645	215054
PH432_0160	16.00	36	35	108	4.000	9	214673	215041	215031	36	35	108	4.000	14	212608	212645	215054
PH432_0200	20.00	36	35	108	4.000	11	215037	215041	215031	27	40	108	5.000	14	212609	212646	215054
PH432_0200	20.00	36	35	108	4.000	9	214673	215041	215031	27	40	108	5.000	14	212609	212646	215054
PH432_0250	25.00	27	40	108	5.000	9	214674	215042	215031	27	40	108	5.000	14	212609	212646	215054
PH432_0250	25.00	27	40	108	5.000	11	215038	215042	215031	27	40	108	5.000	14	212609	212646	215054
PH432_0280	28.00	18	44	108	7.000	11	215039	215043	215031	36	35	108	4.000	14	212608	212645	215054
PH432_0280	28.00	18	44	108	7.000	9	214675	215043	215031	36	35	108	4.000	14	212608	212645	215054
PH432_0350	35.00	18	44	108	7.000	11	215039	215043	215031	27	40	108	5.000	14	212609	212646	215054
PH432_0350	35.00	18	44	108	7.000	9	214675	215043	215031	27	40	108	5.000	14	212609	212646	215054
PH432_0400	40.00	12	47	108	10.00	11	215040	215044	215031	36	35	108	4.000	14	212608	212645	215054
PH432_0400	40.00	12	47	108	10.00	9	214676	215044	215031	36	35	108	4.000	14	212608	212645	215054
PH432_0500	50.00	12	47	108	10.00	11	215040	215044	215031	27	40	108	5.000	14	212609	212646	215054
PH432_0500	50.00	12	47	108	10.00	9	214676	215044	215031	27	40	108	5.000	14	212609	212646	215054
PH432_0700	70.00	12	47	108	10.00	11	215040	215044	215031	18	44	108	7.000	14	212610	212647	215054
PH432_0700	70.00	12	47	108	10.00	9	214676	215044	215031	18	44	108	7.000	14	212610	212647	215054
PH432_1000	100.0	12	47	108	10.00	11	215040	215044	215031	12	47	108	10.00	14	212612	212648	215054
PH432_1000	100.0	12	47	108	10.00	9	214676	215044	215031	12	47	108	10.00	14	212612	212648	215054
PH531_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	14	214611	212651	215056
PH531_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	18	212615	212651	215056
PH531_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	14	214612	212652	215056
PH531_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	18	212616	212652	215056
PH531_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	14	214613	212653	215056
PH531_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	18	212617	212653	215056
PH531_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	18	212619	212654	215056
PH531_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	214615	212654	215056
PH532_0160	16.00	36	35	108	4.000	14	214677	212966	212741	36	35	108	4.000	18	212615	212651	215056
PH532_0200	20.00	36	35	108	4.000	14	214677	212966	212741	27	40	108	5.000	18	212616	212652	215056
PH532_0250	25.00	27	40	108	5.000	14	214678	212967	212741	27	40	108	5.000	18	212616	212652	215056
PH532_0280	28.00	18	44	108	7.000	14	212977	212968	212741	36	35	108	4.000	18	212615	212651	215056
PH532_0350	35.00	18	44	108	7.000	14	212977	212968	212741	27	40	108	5.000	18	212616	212652	215056
PH532_0400	40.00	12	47	108	10.00	14	212978	212969	212741	36	35	108	4.000	18	212615	212651	215056
PH532_0500	50.00	12	47	108	10.00	14	212978	212969	212741	27	40	108	5.000	18	212616	212652	215056
PH532_0700	70.00	12	47	108	10.00	14	212978	212969	212741	18	44	108	7.000	18	212617	212653	215056
PH532_1000	100.0	12	47	108	10.00	14	212978	212969	212741	12	47	108	10.00	18	212619	212654	215056
PH731_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	18	214617	212657	215064
PH731_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	25	212622	212657	215064
PH731_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	25	212623	212658	215064
PH731_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	18	214618	212658	215064
PH731_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	18	214619	212659	215064
PH731_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	25	212624	212659	215064
PH731_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	18	214621	212660	215064
PH731_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	25	212626	212660	215064
PH732_0160	16.00	36	35	108	4.000	14	214685	212971	212743	36	35	108	4.000	25	212622	212657	215064
PH732_0160	16.00	36	35	108	4.000	18	214683	212971	212743	36	35	108	4.000	25	212622	212657	215064
PH732_0200	20.00	36	35	108	4.000	14	214685	212971	212743	27	40	108	5.000	25	212623	212658	215064
PH732_0200	20.00	36	35	108	4.000	18	214683	212971	212743	27	40	108	5.000	25	212623	212658	215064
PH732_0250	25.00	27	40	108	5.000	18	214684	212972	212743	27	40	108	5.000	25	212623	212658	215064
PH732_0250	25.00	27	40	108	5.000	14	214686	212972	212743	27	40	108	5.000	25	212623	212658	215064
PH732_0280	28.00	18	44	108	7.000	14	214687	212973	212743	36	35	108	4.000	25	212622	212657	215064
PH732_0280	28.00	18	44	108	7.000	18	212979	212973	212743	36	35	108	4.000	25	212622	212657	215064
PH732_0350	35.00	18	44	108	7.000	14	214687	212973	212743	27	40	108	5.000	25	212623	212658	215064
PH732_0350	35.00	18	44	108	7.000	18	212979	212973	212743	27	40	108	5.000	25	212623	212658	215064
PH732_0400	40.00	12	47	108	10.00	14	214688	212974	212743	36	35	108	4.000	25	212622	212657	215064
PH732_0400	40.00	12	47	108	10.00	18	212980	212974	212743	36	35	108	4.000	25	212622	212657	215064
PH732_0500	50.00	12	47	108	10.00	14	214688	212974	212743	27	40	108	5.000	25	212623	212658	215064
PH732_0500	50.00	12	47	108	10.00	18	212980	212974	212743	27	40	108	5.000	25	212623	212658	215064

Type	i_{tot}	Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
PH732_0700	70.00	12	47	108	10.00	18	212980	212974	212743	18	44	108	7.000	25	212624	212659	215064
PH732_0700	70.00	12	47	108	10.00	14	214688	212974	212743	18	44	108	7.000	25	212624	212659	215064
PH732_1000	100.0	12	47	108	10.00	14	214688	212974	212743	12	47	108	10.00	25	212626	212660	215064
PH732_1000	100.0	12	47	108	10.00	18	212980	212974	212743	12	47	108	10.00	25	212626	212660	215064
PH831_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	25	214623	212663	216036
PH831_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	35	212629	212663	216036
PH831_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	25	214624	212664	216036
PH831_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	35	212630	212664	216036
PH831_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	25	214625	212665	216036
PH831_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	35	212631	212665	216036
PH831_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	25	214627	212666	216036
PH831_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	35	212633	212666	216036
PH832_0160	16.00	36	35	108	4.000	18	214617	212657	212745	36	35	108	4.000	35	212629	212663	216036
PH832_0160	16.00	36	35	108	4.000	25	212622	212657	212745	36	35	108	4.000	35	212629	212663	216036
PH832_0200	20.00	36	35	108	4.000	18	214617	212657	212745	27	40	108	5.000	35	212630	212664	216036
PH832_0200	20.00	36	35	108	4.000	25	212622	212657	212745	27	40	108	5.000	35	212630	212664	216036
PH832_0250	25.00	27	40	108	5.000	25	212623	212658	212745	27	40	108	5.000	35	212630	212664	216036
PH832_0250	25.00	27	40	108	5.000	18	214618	212658	212745	27	40	108	5.000	35	212630	212664	216036
PH832_0280	28.00	18	44	108	7.000	18	214619	212659	212745	36	35	108	4.000	35	212629	212663	216036
PH832_0280	28.00	18	44	108	7.000	25	212624	212659	212745	36	35	108	4.000	35	212629	212663	216036
PH832_0350	35.00	18	44	108	7.000	18	214619	212659	212745	27	40	108	5.000	35	212630	212664	216036
PH832_0350	35.00	18	44	108	7.000	25	212624	212659	212745	27	40	108	5.000	35	212630	212664	216036
PH832_0400	40.00	12	47	108	10.00	25	212626	212660	212745	36	35	108	4.000	35	212629	212663	216036
PH832_0400	40.00	12	47	108	10.00	18	214621	212660	212745	36	35	108	4.000	35	212629	212663	216036
PH832_0500	50.00	12	47	108	10.00	25	212626	212660	212745	27	40	108	5.000	35	212630	212664	216036
PH832_0500	50.00	12	47	108	10.00	18	214621	212660	212745	27	40	108	5.000	35	212630	212664	216036
PH832_0700	70.00	12	47	108	10.00	18	214621	212660	212745	18	44	108	7.000	35	212631	212665	216036
PH832_0700	70.00	12	47	108	10.00	25	212626	212660	212745	18	44	108	7.000	35	212631	212665	216036
PH832_1000	100.0	12	47	108	10.00	18	214621	212660	212745	12	47	108	10.00	35	212633	212666	216036
PH832_1000	100.0	12	47	108	10.00	25	212626	212660	212745	12	47	108	10.00	35	212633	212666	216036
PH932_0120	12.00	54	26	108	3.000	30	201195	212662	210164	30	30	90	4.000	50	206691	206690	206681
PH932_0120	12.00	54	26	108	3.000	25	201194	212662	210164	30	30	90	4.000	50	206691	206690	206681
PH932_0160	16.00	36	35	108	4.000	25	201192	201219	210164	30	30	90	4.000	50	206691	206690	206681
PH932_0160	16.00	36	35	108	4.000	30	201193	201219	210164	30	30	90	4.000	50	206691	206690	206681
PH932_0180	18.00	54	26	108	3.000	25	201194	212662	210164	18	36	90	6.000	50	208028	206683	206681
PH932_0180	18.00	54	26	108	3.000	30	201195	212662	210164	18	36	90	6.000	50	208028	206683	206681
PH932_0200	20.00	27	40	108	5.000	25	201190	201218	210164	30	30	90	4.000	50	206691	206690	206681
PH932_0200	20.00	27	40	108	5.000	30	201191	201218	210164	30	30	90	4.000	50	206691	206690	206681
PH932_0240	24.00	36	35	108	4.000	30	201193	201219	210164	18	36	90	6.000	50	208028	206683	206681
PH932_0240	24.00	36	35	108	4.000	25	201192	201219	210164	18	36	90	6.000	50	208028	206683	206681
PH932_0280	28.00	18	44	108	7.000	25	201189	201217	210164	30	30	90	4.000	50	206691	206690	206681
PH932_0300	30.00	27	40	108	5.000	25	201190	201218	210164	18	36	90	6.000	50	208028	206683	206681
PH932_0300	30.00	27	40	108	5.000	30	201191	201218	210164	18	36	90	6.000	50	208028	206683	206681
PH932_0320	32.00	15	44	105	8.000	25	201188	201217	210166	30	30	90	4.000	50	206691	206690	206681
PH932_0400	40.00	12	47	108	10.00	25	201187	201216	210164	30	30	90	4.000	50	206691	206690	206681
PH932_0420	42.00	18	44	108	7.000	25	201189	201217	210164	18	36	90	6.000	50	208028	206683	206681
PH932_0480	48.00	15	44	105	8.000	25	201188	201217	210166	18	36	90	6.000	50	208028	206683	206681
PH932_0600	60.00	12	47	108	10.00	25	201187	201216	210164	18	36	90	6.000	50	208028	206683	206681
PH1032_0180	18.00	54	26	108	3.000	25	201194	212662	210164	16	31	80	6.000	50	206801	206699	206810
PH1032_0180	18.00	54	26	108	3.000	30	201195	212662	210164	16	31	80	6.000	50	206801	206699	206810
PH1032_0240	24.00	36	35	108	4.000	25	201192	201219	210164	16	31	80	6.000	50	206801	206699	206810
PH1032_0240	24.00	36	35	108	4.000	30	201193	201219	210164	16	31	80	6.000	50	206801	206699	206810
PH1032_0300	30.00	27	40	108	5.000	25	201190	201218	210164	16	31	80	6.000	50	206801	206699	206810
PH1032_0300	30.00	27	40	108	5.000	30	201191	201218	210164	16	31	80	6.000	50	206801	206699	206810
PH1032_0420	42.00	18	44	108	7.000	25	201189	201217	210164	16	31	80	6.000	50	206801	206699	206810
PH1032_0480	48.00	15	44	105	8.000	25	201188	201217	210166	16	31	80	6.000	50	206801	206699	206810
PH1032_0600	60.00	12	47	108	10.00	25	201187	201216	210164	16	31	80	6.000	50	206801	206699	206810

3 Gearset list planetary gear units PHQ

Type	i_{tot}	Pre stage								Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
PHQ431_0055	5.500	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	24	41	108	5.500	14	212613	212649	215054
PHQ432_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	11	215037	215041	215031	24	41	108	5.500	14	212613	212649	215054
PHQ432_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	9	214673	215041	215031	24	41	108	5.500	14	212613	212649	215054
PHQ432_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	11	215038	215042	215031	24	41	108	5.500	14	212613	212649	215054
PHQ432_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	9	214674	215042	215031	24	41	108	5.500	14	212613	212649	215054
PHQ432_0390	38.50	–	–	–	–	–	–	–	–	18	44	108	7.000	11	215039	215043	215031	24	41	108	5.500	14	212613	212649	215054
PHQ432_0390	38.50	–	–	–	–	–	–	–	–	18	44	108	7.000	9	214675	215043	215031	24	41	108	5.500	14	212613	212649	215054
PHQ432_0550	55.00	–	–	–	–	–	–	–	–	12	47	108	10.00	11	215040	215044	215031	24	41	108	5.500	14	212613	212649	215054
PHQ432_0550	55.00	–	–	–	–	–	–	–	–	12	47	108	10.00	9	214676	215044	215031	24	41	108	5.500	14	212613	212649	215054
PHQ531_0055	5.500	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	24	41	108	5.500	18	212620	212655	215056
PHQ532_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	14	214677	212966	212741	24	41	108	5.500	18	212620	212655	215056
PHQ532_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	14	214678	212967	212741	24	41	108	5.500	18	212620	212655	215056
PHQ532_0390	38.50	–	–	–	–	–	–	–	–	18	44	108	7.000	14	212977	212968	212741	24	41	108	5.500	18	212620	212655	215056
PHQ532_0550	55.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	212978	212969	212741	24	41	108	5.500	18	212620	212655	215056
PHQ731_0055	5.500	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	24	41	108	5.500	25	212627	212661	215064
PHQ732_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	14	214685	212971	212743	24	41	108	5.500	25	212627	212661	215064
PHQ732_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	18	214683	212971	212743	24	41	108	5.500	25	212627	212661	215064
PHQ732_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	14	214686	212972	212743	24	41	108	5.500	25	212627	212661	215064
PHQ732_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	18	214684	212972	212743	24	41	108	5.500	25	212627	212661	215064
PHQ732_0390	38.50	–	–	–	–	–	–	–	–	18	44	108	7.000	14	214687	212973	212743	24	41	108	5.500	25	212627	212661	215064
PHQ732_0390	38.50	–	–	–	–	–	–	–	–	18	44	108	7.000	18	212979	212973	212743	24	41	108	5.500	25	212627	212661	215064
PHQ732_0550	55.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	214688	212974	212743	24	41	108	5.500	25	212627	212661	215064
PHQ732_0550	55.00	–	–	–	–	–	–	–	–	12	47	108	10.00	18	212980	212974	212743	24	41	108	5.500	25	212627	212661	215064
PHQ733_0880	88.00	36	35	108	4.000	14	214677	212966	212741	36	35	108	4.000	18	214683	212971	212743	24	41	108	5.500	25	212627	212661	215064
PHQ733_1100	110.0	36	35	108	4.000	14	214677	212966	212741	27	40	108	5.000	18	214684	212972	212743	24	41	108	5.500	25	212627	212661	215064
PHQ733_1380	137.5	27	40	108	5.000	14	214678	212967	212741	27	40	108	5.000	18	214684	212972	212743	24	41	108	5.500	25	212627	212661	215064
PHQ733_1540	154.0	18	44	108	7.000	14	212977	212968	212741	36	35	108	4.000	18	214683	212971	212743	24	41	108	5.500	25	212627	212661	215064
PHQ733_1930	192.5	18	44	108	7.000	14	212977	212968	212741	27	40	108	5.000	18	214684	212972	212743	24	41	108	5.500	25	212627	212661	215064
PHQ733_2200	220.0	12	47	108	10.00	14	212978	212969	212741	36	35	108	4.000	18	214683	212971	212743	24	41	108	5.500	25	212627	212661	215064
PHQ733_2750	275.0	12	47	108	10.00	14	212978	212969	212741	27	40	108	5.000	18	214684	212972	212743	24	41	108	5.500	25	212627	212661	215064
PHQ733_3850	385.0	12	47	108	10.00	14	212978	212969	212741	18	44	108	7.000	18	212979	212973	212743	24	41	108	5.500	25	212627	212661	215064
PHQ733_5500	550.0	12	47	108	10.00	14	212978	212969	212741	12	47	108	10.00	18	212980	212974	212743	24	41	108	5.500	25	212627	212661	215064
PHQ831_0055	5.500	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	24	41	108	5.500	35	212634	212667	216036
PHQ832_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	18	214617	212657	212745	24	41	108	5.500	35	212634	212667	216036
PHQ832_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	25	212622	212657	212745	24	41	108	5.500	35	212634	212667	216036
PHQ832_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	18	214618	212658	212745	24	41	108	5.500	35	212634	212667	216036
PHQ832_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	25	212623	212658	212745	24	41	108	5.500	35	212634	212667	216036
PHQ832_0390	38.50	–	–	–	–	–	–	–	–	18	44	108	7.000	18	214619	212659	212745	24	41	108	5.500	35	212634	212667	216036
PHQ832_0390	38.50	–	–	–	–	–	–	–	–	18	44	108	7.000	25	212624	212659	212745	24	41	108	5.500	35	212634	212667	216036
PHQ832_0550	55.00	–	–	–	–	–	–	–	–	12	47	108	10.00	18	214621	212660	212745	24	41	108	5.500	35	212634	212667	216036
PHQ832_0550	55.00	–	–	–	–	–	–	–	–	12	47	108	10.00	25	212626	212660	212745	24	41	108	5.500	35	212634	212667	216036
PHQ833_0880	88.00	36	35	108	4.000	14	214685	212971	212743	36	35	108	4.000	25	212622	212657	212745	24	41	108	5.500	35	212634	212667	216036
PHQ833_0880	88.00	36	35	108	4.000	18	214683	212971	212743	36	35	108	4.000	25	212622	212657	212745	24	41	108	5.500	35	212634	212667	216036
PHQ833_1100	110.0	36	35	108	4.000	18	214683	212971	212743	27	40	108	5.000	25	212623	212658	212745	24	41	108	5.500	35	212634	212667	216036
PHQ833_1100	110.0	36	35	108	4.000	14	214685	212971	212743	27	40	108	5.000	25	212623	212658	212745	24	41	108	5.500	35	212634	212667	216036
PHQ833_1380	137.5	27	40	108	5.000	18	214684	212972	212743	27	40	108	5.000	25	212623	212658	212745	24	41	108	5.500	35	212634	212667	216036
PHQ833_1380	137.5	27	40	108	5.000	14	214686	212972	212743	27	40	108	5.000	25	212623	212658	212745	24	41	108	5.500	35	212634	212667	216036
PHQ833_1540	154.0	18	44	108	7.000	14	214687	212973	212743	36	35	108	4.000	25	212622	212657	212745	24	41	108	5.500	35	212634	212667	216036
PHQ833_1540	154.0	18	44	108	7.000	18	212979	212973	212743	36	35	108	4.000	25	212622	212657	212745	24	41	108	5.500	35	212634	212667	216036
PHQ833_1930	192.5	18	44	108	7.000	14	214687	212973	212743	27	40	108	5.000	25	212623	212658	212745	24	41	108	5.500	35	212634	212667	216036
PHQ833_1930	192.5	18	44	108	7.000	18	212979	212973	212743	27	40	108	5.000	25	212623	212658	212745	24	41	108	5.500	35	212634	212667	216036
PHQ833_2200	220.0	12	47	108	10.00	18	212980	212974	212743	36	35	108	4.000	25	212622	212657	212745	24	41	108	5.500	35	212634	212667	216036
PHQ833_2200	220.0	12	47	108	10.00	14	214688	212974	212743	36	35	108	4.000	25	212622	212657	212745	24	41	108	5.500	35	212634	212667	216036
PHQ833_2750	275.0	12	47	108	10.00	14	214688	212974	212743	27	40	108	5.000	25	212623	212658	212745	24	41	108	5.500	35	212634	212667	216036
PHQ833_2750	275.0	12	47	108	10.00	18	212980	212974	212743	27	40	108	5.000	25	212623	212658	212745	24	41	108	5.500	35	212634	212667	216036
PHQ833_3850	385.0	12	47	108	10.00	14	214688	212974	212743	18	44	108	7.000	25	212624	212659	212745	24	41	108	5.500	35	212634	212667	216036
PHQ833_3850	385.0	12	47	108	10.00	18	212980	212974	212743	18	44	108	7.000	25	212624	212659	212745	24	41	108	5.500	35	212634	212667	216036
PHQ833_5500	550.0	12	47	108	10.00	14	214688	212974	212743	12	47	108	10.00	25	212626	212660	212745	24	41	108	5.500	35	212634	212667	216036
PHQ833_5500	550.0	12	47	108	10.00	18	212980	212974	212743	12	47	108	10.00	25	212626	212660	212745	24	41	108	5.500	35	212634	212667	216036
PHQ932_0180	18.00	–	–	–	–	–	–	–	–	54	26	108	3.000	35	212628	212662	210164	18	36	90	6.000	50	208028	206683	206681
PHQ932_0180	18.00	–	–	–	–	–	–	–	–	54	26	108	3.000	25	201194	212662	210164	18	36	90	6.000	50	208028	206683	206681
PHQ932_0180	18.00	–	–	–	–	–	–	–	–	54	26	108	3.000	30	201195	212662	210164	18	36	90	6.000	50	208028	206683	206681
PHQ932_0240	24.00	–	–	–	–	–	–	–	–	36	35	108	4.000	25	201192	201219	210164	18	36	90	6.000	50	208028	206683	206681
PHQ932_0240	24.00	–	–	–	–	–	–	–	–	36	35	108	4.000	30	201193	201219	210164	18	36	90	6.000	50	208028	206683	206681
PHQ932_0240	24.00	–	–	–	–	–	–	–	–	36	35	108	4.000	35	201248	201219	210164	18	36	90	6.000	50	208028	206683	206681
PHQ932_0300	30.00	–	–	–	–	–	–	–	–	27	40	108	5.000	25	201190	201218	210164	18	36	90	6.000	50	208028	206683	206681
PHQ932_0300	30.00	–	–	–	–	–	–	–	–	27	40	108	5.000	30	201191	201218	210164	18	36	90	6.000	50	208028	206683	206681
PHQ932_0300	30.00	–	–	–	–	–	–	–	–	27	40	108	5.000	35	201247	201218	210164	18	36	90	6.000	50	208028	206683	206681
PHQ932_0420	42.00	–	–	–	–	–	–	–	–	18	44	108	7.000	25	201189	201217	210164	18	36	90	6.000	50	208028	206683	206681
PHQ932_0600	60.00	–	–	–	–	–	–	–	–	12	47	108	10.00	25	201187	201216	210164	18	36	90	6.000	50	208028	206683	206681
PHQ933_0720	72.00	36	35	108	4.000	18	201183	201214	210178	54	26	108	3.000	35	212628	212662	210164	18	36	90	6.000	50	208028	206683	206681
PHQ933_0720	72.00	36	35	108	4.000	25	201184	201214	210178	54	26	108	3.000	35	212628	212662	210164	18	36	90	6.000	50	208028	206683	206681
PHQ933_0960	96.00	36	35	108	4.000	18	201183	201214	210178	36	35	108	4.000	35	201248	201219	210164	18	36	90	6.000	50	208028	206683	206681
PHQ933_0960	96.00	36	35	108	4.000	25	201184	201214	210178	36	35	108	4.000	35	201248	201219	210164	18	36	90	6.000	50	208028	206683	206681
PHQ933_1200	120.0	36	35	108	4.000	25	201184	201214	210178	27	40	108	5.000	35	201247	201218	210164	18	36	90	6.000	50	208028	206683	206681

Type	i_{tot}	Pre stage								Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
PHQ933_1200	120.0	36	35	108	4.000	18	201183	201214	210178	27	40	108	5.000	35	201247	201218	210164	18	36	90	6.000	50	208028	206683	206681
PHQ933_1500	150.0	27	40	108	5.000	25	201182	201213	210178	27	40	108	5.000	35	201247	201218	210164	18	36	90	6.000	50	208028	206683	206681
PHQ933_1500	150.0	27	40	108	5.000	18	201181	201213	210178	27	40	108	5.000	35	201247	201218	210164	18	36	90	6.000	50	208028	206683	206681
PHQ933_1680	168.0	18	44	108	7.000	18	201180	201212	210178	36	35	108	4.000	35	201248	201219	210164	18	36	90	6.000	50	208028	206683	206681
PHQ933_2100	210.0	18	44	108	7.000	18	201180	201212	210178	27	40	108	5.000	35	201247	201218	210164	18	36	90	6.000	50	208028	206683	206681
PHQ933_2400	240.0	12	47	108	10.00	18	201178	201211	210178	36	35	108	4.000	35	201248	201219	210164	18	36	90	6.000	50	208028	206683	206681
PHQ933_3000	300.0	12	47	108	10.00	18	201178	201211	210178	27	40	108	5.000	35	201247	201218	210164	18	36	90	6.000	50	208028	206683	206681
PHQ933_4200	420.0	12	47	108	10.00	18	201178	201211	210178	18	44	108	7.000	25	201189	201217	210164	18	36	90	6.000	50	208028	206683	206681
PHQ933_6000	600.0	12	47	108	10.00	18	201178	201211	210178	12	47	108	10.00	25	201187	201216	210164	18	36	90	6.000	50	208028	206683	206681
PHQ1032_0240	24.00	–	–	–	–	–	–	–	–	36	35	108	4.000	40	212635	205701	210169	16	31	80	6.000	50	206801	206699	206810
PHQ1032_0300	30.00	–	–	–	–	–	–	–	–	27	40	108	5.000	40	212636	205702	210169	16	31	80	6.000	50	206801	206699	206810
PHQ1032_0420	42.00	–	–	–	–	–	–	–	–	18	44	108	7.000	30	205707	205703	210169	16	31	80	6.000	50	206801	206699	206810
PHQ1032_0600	60.00	–	–	–	–	–	–	–	–	12	47	108	10.00	30	205708	205704	210169	16	31	80	6.000	50	206801	206699	206810
PHQ1033_0960	96.00	36	35	108	4.000	25	201192	201219	210164	36	35	108	4.000	40	212635	205701	210169	16	31	80	6.000	50	206801	206699	206810
PHQ1033_0960	96.00	36	35	108	4.000	30	201193	201219	210164	36	35	108	4.000	40	212635	205701	210169	16	31	80	6.000	50	206801	206699	206810
PHQ1033_1200	120.0	36	35	108	4.000	30	201193	201219	210164	27	40	108	5.000	40	212636	205702	210169	16	31	80	6.000	50	206801	206699	206810
PHQ1033_1200	120.0	36	35	108	4.000	25	201192	201219	210164	27	40	108	5.000	40	212636	205702	210169	16	31	80	6.000	50	206801	206699	206810
PHQ1033_1500	150.0	27	40	108	5.000	30	201191	201218	210164	27	40	108	5.000	40	212636	205702	210169	16	31	80	6.000	50	206801	206699	206810
PHQ1033_1500	150.0	27	40	108	5.000	25	201190	201218	210164	27	40	108	5.000	40	212636	205702	210169	16	31	80	6.000	50	206801	206699	206810
PHQ1033_1680	168.0	18	44	108	7.000	25	201189	201217	210164	36	35	108	4.000	40	212635	205701	210169	16	31	80	6.000	50	206801	206699	206810
PHQ1033_2100	210.0	18	44	108	7.000	25	201189	201217	210164	27	40	108	5.000	40	212636	205702	210169	16	31	80	6.000	50	206801	206699	206810
PHQ1033_2400	240.0	12	47	108	10.00	25	201187	201216	210164	36	35	108	4.000	40	212635	205701	210169	16	31	80	6.000	50	206801	206699	206810
PHQ1033_3000	300.0	12	47	108	10.00	25	201187	201216	210164	27	40	108	5.000	40	212636	205702	210169	16	31	80	6.000	50	206801	206699	206810
PHQ1033_4200	420.0	12	47	108	10.00	25	201187	201216	210164	18	44	108	7.000	30	205707	205703	210169	16	31	80	6.000	50	206801	206699	206810
PHQ1033_6000	600.0	12	47	108	10.00	25	201187	201216	210164	12	47	108	10.00	30	205708	205704	210169	16	31	80	6.000	50	206801	206699	206810
PHQ1132_0240	24.00	–	–	–	–	–	–	–	–	36	35	108	4.000	50	208710	208699	210427	14	27	70	6.000	60	208667	210049	215070
PHQ1132_0300	30.00	–	–	–	–	–	–	–	–	27	40	108	5.000	50	208711	208700	210427	14	27	70	6.000	60	208667	210049	215070
PHQ1132_0420	42.00	–	–	–	–	–	–	–	–	18	44	108	7.000	35	208671	208668	210427	14	27	70	6.000	60	208667	210049	215070
PHQ1132_0600	60.00	–	–	–	–	–	–	–	–	12	47	108	10.00	35	208712	208701	210427	14	27	70	6.000	60	208667	210049	215070
PHQ1133_0960	96.00	36	35	108	4.000	25	201192	201219	210164	36	35	108	4.000	50	208695	208699	210427	14	27	70	6.000	60	208667	210049	215070
PHQ1133_0960	96.00	36	35	108	4.000	30	201193	201219	210164	36	35	108	4.000	50	208695	208699	210427	14	27	70	6.000	60	208667	210049	215070
PHQ1133_1200	120.0	36	35	108	4.000	25	201192	201219	210164	27	40	108	5.000	50	208696	208700	210427	14	27	70	6.000	60	208667	210049	215070
PHQ1133_1200	120.0	36	35	108	4.000	30	201193	201219	210164	27	40	108	5.000	50	208696	208700	210427	14	27	70	6.000	60	208667	210049	215070
PHQ1133_1500	150.0	27	40	108	5.000	25	201190	201218	210164	27	40	108	5.000	50	208696	208700	210427	14	27	70	6.000	60	208667	210049	215070
PHQ1133_1500	150.0	27	40	108	5.000	30	201191	201218	210164	27	40	108	5.000	50	208696	208700	210427	14	27	70	6.000	60	208667	210049	215070
PHQ1133_1680	168.0	18	44	108	7.000	25	201189	201217	210164	36	35	108	4.000	50	208695	208699	210427	14	27	70	6.000	60	208667	210049	215070
PHQ1133_2100	210.0	18	44	108	7.000	25	201189	201217	210164	27	40	108	5.000	50	208696	208700	210427	14	27	70	6.000	60	208667	210049	215070
PHQ1133_2400	240.0	12	47	108	10.00	25	201187	201216	210164	36	35	108	4.000	50	208695	208699	210427	14	27	70	6.000	60	208667	210049	215070
PHQ1133_3000	300.0	12	47	108	10.00	25	201187	201216	210164	27	40	108	5.000	50	208696	208700	210427	14	27	70	6.000	60	208667	210049	215070
PHQ1232_0240	24.00	–	–	–	–	–	–	–	–	30	30	90	4.000	40	210885	208406	215072	14	27	70	6.000	70	208264	210416	215071
PHQ1232_0420	42.00	–	–	–	–	–	–	–	–	15	37	90	7.000	40	208268	208267	215072	14	27	70	6.000	70	208264	210416	215071
PHQ1233_0960	96.00	36	35	108	4.000	40	212635	205701	210169	30	30	90	4.000	50	208407	208406	215072	14	27	70	6.000	70	208264	210416	215071
PHQ1233_1200	120.0	27	40	108	5.000	40	212636	205702	210169	30	30	90	4.000	50	208407	208406	215072	14	27	70	6.000	70	208264	210416	215071
PHQ1233_1680	168.0	18	44	108	7.000	30	205707	205703	210169	30	30	90	4.000	50	208407	208406	215072	14	27	70	6.000	70	208264	210416	215071
PHQ1233_2100	210.0	27	40	108	5.000	40	212636	205702	210169	15	37	90	7.000	50	208408	208267	215072	14	27	70	6.000	70	208264	210416	215071
PHQ1233_2400	240.0	12	47	108	10.00	30	205708	205704	210169	30	30	90	4.000	50	208407	208406	215072	14	27	70	6.000	70	208264	210416	215071
PHQ1233_2940	294.0	18	44	108	7.000	30	205707	205703	210169	15	37	90	7.000	50	208408	208267	215072	14	27	70	6.000	70	208264	210416	215071
PHQ1233_4200	420.0	12	47	108	10.00	30	205708	205704	210169	15	37	90	7.000	50	208408	208267	215072	14	27	70	6.000	70	208264	210416	215071

4 Gearset list planetary gear units PHV

Type	i_{tot}	Pre stage								Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
PHV933_0610	61.00	18	54	–	–	–	206844	206839	–	15	60	–	–	–	206845	206847	–	18	36	90	61.00	30	206815	206683	206681
PHV933_0610	61.00	18	54	–	–	–	206843	206839	–	15	60	–	–	–	206845	206847	–	18	36	90	61.00	25	206815	206683	206681
PHV933_0910	91.00	18	81	–	–	–	206858	206841	–	15	60	–	–	–	206845	206847	–	18	36	90	91.00	18	206815	206683	206681
PHV933_1210	121.0	15	90	–	–	–	206846	206842	–	15	60	–	–	–	206845	206847	–	18	36	90	121.0	18	206815	206683	206681
PHV1033_0610	61.00	21	63	–	–	–	206850	206852	–	12	48	–	–	–	206854	206855	–	16	31	80	61.00	30	206806	206699	206810
PHV1033_0910	91.00	18	81	–	–	–	206851	206853	–	12	48	–	–	–	206854	206855	–	16	31	80	91.00	25	206806	206699	206810

5 Gearset list planetary gear units PE

Type	i_{tot}	Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
PE221_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	9	205633	205628	215170
PE221_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	9	205635	205629	215170
PE221_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	9	215785	205630	215170
PE221_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	9	215787	205631	215170
PE222_0160	16.00	36	35	108	4.000	9	205633	205628	215566	36	35	108	4.000	9	205633	205628	215170
PE222_0200	20.00	36	35	108	4.000	9	205633	205628	215566	27	40	108	5.000	9	205635	205629	215170
PE222_0250	25.00	27	40	108	5.000	9	205635	205629	215566	27	40	108	5.000	9	205635	205629	215170
PE222_0280	28.00	18	44	108	7.000	9	215785	205630	215566	36	35	108	4.000	9	205633	205628	215170
PE222_0350	35.00	18	44	108	7.000	9	215785	205630	215566	27	40	108	5.000	9	205635	205629	215170
PE222_0400	40.00	12	47	108	10.00	9	215787	205631	215566	36	35	108	4.000	9	205633	205628	215170
PE222_0500	50.00	12	47	108	10.00	9	215787	205631	215566	27	40	108	5.000	9	205635	205629	215170
PE222_0700	70.00	12	47	108	10.00	9	215787	205631	215566	18	44	108	7.000	9	215785	205630	215170
PE222_1000	100.0	12	47	108	10.00	9	215787	205631	215566	12	47	108	10.00	9	215787	205631	215170
PE321_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	11	215975	212960	215171
PE321_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	9	215974	212960	215171
PE321_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	11	215037	215041	215171
PE321_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	9	214673	215041	215171
PE321_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	11	215038	215042	215171
PE321_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	9	214674	215042	215171
PE321_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	11	215039	215043	215171
PE321_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	9	214675	215043	215171
PE321_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	11	215040	215044	215171
PE321_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	9	214676	215044	215171
PE322_0160	16.00	36	35	108	4.000	9	205633	205628	215186	36	35	108	4.000	11	215037	215041	215171
PE322_0200	20.00	36	35	108	4.000	9	205633	205628	215186	27	40	108	5.000	11	215038	215042	215171
PE322_0250	25.00	27	40	108	5.000	9	205635	205629	215186	27	40	108	5.000	11	215038	215042	215171
PE322_0280	28.00	18	44	108	7.000	9	215785	205630	215186	36	35	108	4.000	11	215037	215041	215171
PE322_0350	35.00	18	44	108	7.000	9	215785	205630	215186	27	40	108	5.000	11	215038	215042	215171
PE322_0400	40.00	12	47	108	10.00	9	215787	205631	215186	36	35	108	4.000	11	215037	215041	215171
PE322_0500	50.00	12	47	108	10.00	9	215787	205631	215186	27	40	108	5.000	11	215038	215042	215171
PE322_0700	70.00	12	47	108	10.00	9	215787	205631	215186	18	44	108	7.000	11	215039	215043	215171
PE322_1000	100.0	12	47	108	10.00	9	215787	205631	215186	12	47	108	10.00	11	215040	215044	215171
PE421_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	14	215976	212965	215173
PE421_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	14	214677	212966	215173
PE421_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	14	214678	212967	215173
PE421_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	14	212977	212968	215173
PE421_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	212978	212969	215173
PE422_0160	16.00	36	35	108	4.000	9	214673	215041	215187	36	35	108	4.000	14	215083	212966	215173
PE422_0160	16.00	36	35	108	4.000	11	215037	215041	215187	36	35	108	4.000	14	215083	212966	215173
PE422_0200	20.00	36	35	108	4.000	11	215037	215041	215187	27	40	108	5.000	14	215084	212967	215173
PE422_0200	20.00	36	35	108	4.000	9	214673	215041	215187	27	40	108	5.000	14	215084	212967	215173
PE422_0250	25.00	27	40	108	5.000	11	215038	215042	215187	27	40	108	5.000	14	215084	212967	215173
PE422_0250	25.00	27	40	108	5.000	9	214674	215042	215187	27	40	108	5.000	14	215084	212967	215173
PE422_0280	28.00	18	44	108	7.000	11	215039	215043	215187	36	35	108	4.000	14	215083	212966	215173
PE422_0280	28.00	18	44	108	7.000	9	214675	215043	215187	36	35	108	4.000	14	215083	212966	215173
PE422_0350	35.00	18	44	108	7.000	11	215039	215043	215187	27	40	108	5.000	14	215084	212967	215173
PE422_0350	35.00	18	44	108	7.000	9	214675	215043	215187	27	40	108	5.000	14	215084	212967	215173
PE422_0400	40.00	12	47	108	10.00	9	214676	215044	215187	36	35	108	4.000	14	215083	212966	215173
PE422_0400	40.00	12	47	108	10.00	11	215040	215044	215187	36	35	108	4.000	14	215083	212966	215173
PE422_0500	50.00	12	47	108	10.00	11	215040	215044	215187	27	40	108	5.000	14	215084	212967	215173
PE422_0500	50.00	12	47	108	10.00	9	214676	215044	215187	27	40	108	5.000	14	215084	212967	215173
PE422_0700	70.00	18	44	108	7.000	11	215039	215043	215187	12	47	108	10.00	14	215977	212969	215173
PE422_0700	70.00	18	44	108	7.000	9	214675	215043	215187	12	47	108	10.00	14	215977	212969	215173
PE422_1000	100.0	12	47	108	10.00	9	214676	215044	215187	12	47	108	10.00	14	215977	212969	215173
PE422_1000	100.0	12	47	108	10.00	11	215040	215044	215187	12	47	108	10.00	14	215977	212969	215173
PE521_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	18	215979	212970	215174
PE521_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	14	215978	212970	215174
PE521_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	14	214685	212971	215174
PE521_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	18	214683	212971	215174
PE521_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	14	214686	212972	215174
PE521_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	18	214684	212972	215174
PE521_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	14	214687	212973	215174
PE521_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	18	212979	212973	215174
PE521_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	214688	212974	215174
PE521_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	18	212980	212974	215174
PE522_0160	16.00	36	35	108	4.000	14	214677	212966	215188	36	35	108	4.000	18	215085	212971	215174
PE522_0200	20.00	36	35	108	4.000	14	214677	212966	215188	27	40	108	5.000	18	215086	212972	215174
PE522_0250	25.00	27	40	108	5.000	14	214678	212967	215188	27	40	108	5.000	18	215086	212972	215174
PE522_0280	28.00	18	44	108	7.000	14	212977	212968	215188	36	35	108	4.000	18	215085	212971	215174
PE522_0350	35.00	18	44	108	7.000	14	212977	212968	215188	27	40	108	5.000	18	215086	212972	215174
PE522_0400	40.00	12	47	108	10.00	14	212978	212969	215188	36	35	108	4.000	18	215085	212971	215174
PE522_0500	50.00	12	47	108	10.00	14	212978	212969	215188	27	40	108	5.000	18	215086	212972	215174
PE522_0700	70.00	18	44	108	7.000	14	212977	212968	215188	12	47	108	10.00	18	215980	212974	215174
PE522_1000	100.0	12	47	108	10.00	14	212978	212969	215188	12	47	108	10.00	18	215980	212974	215174

6 Gearset list helical gear units C

			Pre stage						Input stage						Output stage				
Type	i_{tot}	Øa	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
C002_0020	1.997	–	–	–	–	–	–	–	39	40	1.026	11	95092	95094	19	37	1.947	90941	90947
C002_0020	1.997	–	–	–	–	–	–	–	39	40	1.026	14	95096	95094	19	37	1.947	90941	90947
C002_0020	1.997	–	–	–	–	–	–	–	39	40	1.026	9	95398	95094	19	37	1.947	90941	90947
C002_0028	2.769	–	–	–	–	–	–	–	26	40	1.538	11	95091	95093	20	36	1.800	88430	88618
C002_0028	2.769	–	–	–	–	–	–	–	26	40	1.538	14	95095	95093	20	36	1.800	88430	88618
C002_0031	3.067	–	–	–	–	–	–	–	27	46	1.704	7	88707	88630	20	36	1.800	88430	88618
C002_0031	3.067	–	–	–	–	–	–	–	27	46	1.704	9	88708	88630	20	36	1.800	88430	88618
C002_0031	3.067	–	–	–	–	–	–	–	27	46	1.704	11	88709	88630	20	36	1.800	88430	88618
C002_0031	3.067	–	–	–	–	–	–	–	27	46	1.704	14	91228	88630	20	36	1.800	88430	88618
C002_0033	3.318	–	–	–	–	–	–	–	27	46	1.704	7	88707	88630	19	37	1.947	90941	90947
C002_0033	3.318	–	–	–	–	–	–	–	27	46	1.704	14	91228	88630	19	37	1.947	90941	90947
C002_0033	3.318	–	–	–	–	–	–	–	27	46	1.704	9	88708	88630	19	37	1.947	90941	90947
C002_0033	3.318	–	–	–	–	–	–	–	27	46	1.704	11	88709	88630	19	37	1.947	90941	90947
C002_0038	3.835	–	–	–	–	–	–	–	23	49	2.130	9	88705	88631	20	36	1.800	88430	88618
C002_0038	3.835	–	–	–	–	–	–	–	23	49	2.130	11	88706	88631	20	36	1.800	88430	88618
C002_0038	3.835	–	–	–	–	–	–	–	23	49	2.130	14	91229	88631	20	36	1.800	88430	88618
C002_0041	4.149	–	–	–	–	–	–	–	23	49	2.130	9	88705	88631	19	37	1.947	90941	90947
C002_0041	4.149	–	–	–	–	–	–	–	23	49	2.130	11	88706	88631	19	37	1.947	90941	90947
C002_0041	4.149	–	–	–	–	–	–	–	23	49	2.130	14	91229	88631	19	37	1.947	90941	90947
C002_0047	4.680	–	–	–	–	–	–	–	20	52	2.600	14	91230	88632	20	36	1.800	88430	88618
C002_0047	4.680	–	–	–	–	–	–	–	20	52	2.600	11	88703	88632	20	36	1.800	88430	88618
C002_0047	4.680	–	–	–	–	–	–	–	20	52	2.600	9	88702	88632	20	36	1.800	88430	88618
C002_0047	4.680	–	–	–	–	–	–	–	20	52	2.600	7	88701	88632	20	36	1.800	88430	88618
C002_0051	5.063	–	–	–	–	–	–	–	20	52	2.600	9	88702	88632	19	37	1.947	90941	90947
C002_0051	5.063	–	–	–	–	–	–	–	20	52	2.600	11	88703	88632	19	37	1.947	90941	90947
C002_0051	5.063	–	–	–	–	–	–	–	20	52	2.600	14	91230	88632	19	37	1.947	90941	90947
C002_0051	5.063	–	–	–	–	–	–	–	20	52	2.600	7	88701	88632	19	37	1.947	90941	90947
C002_0058	5.824	–	–	–	–	–	–	–	17	55	3.235	7	88699	88633	20	36	1.800	88430	88618
C002_0058	5.824	–	–	–	–	–	–	–	17	55	3.235	9	88700	88633	20	36	1.800	88430	88618
C002_0058	5.824	–	–	–	–	–	–	–	17	55	3.235	11	88716	88633	20	36	1.800	88430	88618
C002_0058	5.824	–	–	–	–	–	–	–	17	55	3.235	14	91231	88633	20	36	1.800	88430	88618
C002_0063	6.300	–	–	–	–	–	–	–	17	55	3.235	9	88700	88633	19	37	1.947	90941	90947
C002_0063	6.300	–	–	–	–	–	–	–	17	55	3.235	11	88716	88633	19	37	1.947	90941	90947
C002_0063	6.300	–	–	–	–	–	–	–	17	55	3.235	7	88699	88633	19	37	1.947	90941	90947
C002_0063	6.300	–	–	–	–	–	–	–	17	55	3.235	14	91231	88633	19	37	1.947	90941	90947
C002_0077	7.714	–	–	–	–	–	–	–	14	60	4.286	7	88695	88634	20	36	1.800	88430	88618
C002_0077	7.714	–	–	–	–	–	–	–	14	60	4.286	9	88696	88634	20	36	1.800	88430	88618
C002_0077	7.714	–	–	–	–	–	–	–	14	60	4.286	11	88512	88634	20	36	1.800	88430	88618
C002_0077	7.714	–	–	–	–	–	–	–	14	60	4.286	14	214670	88634	20	36	1.800	88430	88618
C002_0082	8.235	–	–	–	–	–	–	–	27	46	1.704	14	91228	88630	12	58	4.833	88802	88796
C002_0082	8.235	–	–	–	–	–	–	–	27	46	1.704	7	88707	88630	12	58	4.833	88802	88796
C002_0082	8.235	–	–	–	–	–	–	–	27	46	1.704	9	88708	88630	12	58	4.833	88802	88796
C002_0082	8.235	–	–	–	–	–	–	–	27	46	1.704	11	88709	88630	12	58	4.833	88802	88796
C002_0092	9.228	–	–	–	–	–	–	–	27	46	1.704	11	88709	88630	12	65	5.417	88429	88619
C002_0092	9.228	–	–	–	–	–	–	–	27	46	1.704	14	91228	88630	12	65	5.417	88429	88619
C002_0092	9.228	–	–	–	–	–	–	–	27	46	1.704	7	88707	88630	12	65	5.417	88429	88619
C002_0092	9.228	–	–	–	–	–	–	–	27	46	1.704	9	88708	88630	12	65	5.417	88429	88619
C002_0105	10.30	–	–	–	–	–	–	–	23	49	2.130	9	88705	88631	12	58	4.833	88802	88796
C002_0105	10.30	–	–	–	–	–	–	–	23	49	2.130	11	88706	88631	12	58	4.833	88802	88796
C002_0105	10.30	–	–	–	–	–	–	–	23	49	2.130	14	91229	88631	12	58	4.833	88802	88796
C002_0115	11.54	–	–	–	–	–	–	–	23	49	2.130	9	88705	88631	12	65	5.417	88429	88619
C002_0115	11.54	–	–	–	–	–	–	–	23	49	2.130	11	88706	88631	12	65	5.417	88429	88619
C002_0115	11.54	–	–	–	–	–	–	–	23	49	2.130	14	91229	88631	12	65	5.417	88429	88619
C002_0125	12.57	–	–	–	–	–	–	–	20	52	2.600	11	88703	88632	12	58	4.833	88802	88796
C002_0125	12.57	–	–	–	–	–	–	–	20	52	2.600	14	91230	88632	12	58	4.833	88802	88796
C002_0125	12.57	–	–	–	–	–	–	–	20	52	2.600	9	88702	88632	12	58	4.833	88802	88796
C002_0125	12.57	–	–	–	–	–	–	–	20	52	2.600	7	88701	88632	12	58	4.833	88802	88796
C002_0140	14.08	–	–	–	–	–	–	–	20	52	2.600	9	88702	88632	12	65	5.417	88429	88619
C002_0140	14.08	–	–	–	–	–	–	–	20	52	2.600	11	88703	88632	12	65	5.417	88429	88619
C002_0140	14.08	–	–	–	–	–	–	–	20	52	2.600	14	91230	88632	12	65	5.417	88429	88619
C002_0140	14.08	–	–	–	–	–	–	–	20	52	2.600	7	88701	88632	12	65	5.417	88429	88619
C002_0155	15.64	–	–	–	–	–	–	–	17	55	3.235	7	88699	88633	12	58	4.833	88802	88796
C002_0155	15.64	–	–	–	–	–	–	–	17	55	3.235	9	88700	88633	12	58	4.833	88802	88796
C002_0155	15.64	–	–	–	–	–	–	–	17	55	3.235	11	88716	88633	12	58	4.833	88802	88796
C002_0155	15.64	–	–	–	–	–	–	–	17	55	3.235	14	91231	88633	12	58	4.833	88802	88796
C002_0175	17.53	–	–	–	–	–	–	–	17	55	3.235	7	88699	88633	12	65	5.417	88429	88619
C002_0175	17.53	–	–	–	–	–	–	–	17	55	3.235	14	91231	88633	12	65	5.417	88429	88619
C002_0175	17.53	–	–	–	–	–	–	–	17	55	3.235	9	88700	88633	12	65	5.417	88429	88619
C002_0175	17.53	–	–	–	–	–	–	–	17	55	3.235	11	88716	88633	12	65	5.417	88429	88619
C002_0210	20.71	–	–	–	–	–	–	–	14	60	4.286	7	88695	88634	12	58	4.833	88802	88796
C002_0210	20.71	–	–	–	–	–	–	–	14	60	4.286	9	88696	88634	12	58	4.833	88802	88796
C002_0210	20.71	–	–	–	–	–	–	–	14	60	4.286	11	88512	88634	12	58	4.833	88802	88796
C002_0210	20.71	–	–	–	–	–	–	–	14	60	4.286	14	214670	88634	12	58	4.833	88802	88796
C002_0230	23.21	–	–	–	–	–	–	–	14	60	4.286	14	214670	88634	12	65	5.417	88429	88619
C002_0230	23.21	–	–	–	–	–	–	–	14	60	4.286	7	88695	88634	12	65	5.417	88429	88619

			Pre stage						Input stage						Output stage				
Typ	i_{tot}	Øa	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
C002_0230	23.21	–	–	–	–	–	–	–	14	60	4.286	9	88696	88634	12	65	5.417	88429	88619
C002_0230	23.21	–	–	–	–	–	–	–	14	60	4.286	11	88512	88634	12	65	5.417	88429	88619
C002_0250	24.97	–	–	–	–	–	–	–	12	62	5.167	14	214669	88635	12	58	4.833	88802	88796
C002_0250	24.97	–	–	–	–	–	–	–	12	62	5.167	11	91226	88635	12	58	4.833	88802	88796
C002_0250	24.97	–	–	–	–	–	–	–	12	62	5.167	7	88692	88635	12	58	4.833	88802	88796
C002_0250	24.97	–	–	–	–	–	–	–	12	62	5.167	9	88693	88635	12	58	4.833	88802	88796
C002_0280	27.99	–	–	–	–	–	–	–	12	62	5.167	7	88692	88635	12	65	5.417	88429	88619
C002_0280	27.99	–	–	–	–	–	–	–	12	62	5.167	9	88693	88635	12	65	5.417	88429	88619
C002_0280	27.99	–	–	–	–	–	–	–	12	62	5.167	11	91226	88635	12	65	5.417	88429	88619
C002_0280	27.99	–	–	–	–	–	–	–	12	62	5.167	14	214669	88635	12	65	5.417	88429	88619
C002_0310	31.26	–	–	–	–	–	–	–	15	97	6.467	14	214665	88636	12	58	4.833	88802	88796
C002_0310	31.26	–	–	–	–	–	–	–	15	97	6.467	11	91227	88636	12	58	4.833	88802	88796
C002_0310	31.26	–	–	–	–	–	–	–	15	97	6.467	9	88698	88636	12	58	4.833	88802	88796
C002_0310	31.26	–	–	–	–	–	–	–	15	97	6.467	7	88697	88636	12	58	4.833	88802	88796
C002_0350	35.03	–	–	–	–	–	–	–	15	97	6.467	9	88698	88636	12	65	5.417	88429	88619
C002_0350	35.03	–	–	–	–	–	–	–	15	97	6.467	11	91227	88636	12	65	5.417	88429	88619
C002_0350	35.03	–	–	–	–	–	–	–	15	97	6.467	14	214665	88636	12	65	5.417	88429	88619
C002_0350	35.03	–	–	–	–	–	–	–	15	97	6.467	7	88697	88636	12	65	5.417	88429	88619
C002_0420	41.77	–	–	–	–	–	–	–	14	121	8.643	7	88694	88637	12	58	4.833	88802	88796
C002_0420	41.77	–	–	–	–	–	–	–	14	121	8.643	9	91225	88637	12	58	4.833	88802	88796
C002_0470	46.82	–	–	–	–	–	–	–	14	121	8.643	7	88694	88637	12	65	5.417	88429	88619
C002_0470	46.82	–	–	–	–	–	–	–	14	121	8.643	9	91225	88637	12	65	5.417	88429	88619
C002_0500	49.94	–	–	–	–	–	–	–	12	124	10.33	7	88691	88638	12	58	4.833	88802	88796
C002_0500	49.94	–	–	–	–	–	–	–	12	124	10.33	9	215076	88638	12	58	4.833	88802	88796
C002_0560	55.97	–	–	–	–	–	–	–	12	124	10.33	9	215076	88638	12	65	5.417	88429	88619
C002_0560	55.97	–	–	–	–	–	–	–	12	124	10.33	7	88691	88638	12	65	5.417	88429	88619
C002_0620	62.35	–	–	–	–	–	–	–	10	129	12.90	7	88690	88639	12	58	4.833	88802	88796
C002_0620	62.35	–	–	–	–	–	–	–	10	129	12.90	9	215075	88639	12	58	4.833	88802	88796
C002_0700	69.88	–	–	–	–	–	–	–	10	129	12.90	7	88690	88639	12	65	5.417	88429	88619
C002_0700	69.88	–	–	–	–	–	–	–	10	129	12.90	9	215075	88639	12	65	5.417	88429	88619
C102_0020	2.018	–	–	–	–	–	–	–	43	48	1.116	14	98217	98228	26	47	1.808	88432	88620
C102_0020	2.018	–	–	–	–	–	–	–	43	48	1.116	18	98218	98228	26	47	1.808	88432	88620
C102_0022	2.177	–	–	–	–	–	–	–	43	48	1.116	14	98217	98228	20	39	1.950	90942	90948
C102_0022	2.177	–	–	–	–	–	–	–	43	48	1.116	18	98218	98228	20	39	1.950	90942	90948
C102_0024	2.394	–	–	–	–	–	–	–	37	49	1.324	18	99425	94286	26	47	1.808	88432	88620
C102_0026	2.582	–	–	–	–	–	–	–	37	49	1.324	18	99425	94286	20	39	1.950	90942	90948
C102_0031	3.091	–	–	–	–	–	–	–	31	53	1.710	14	88730	88640	26	47	1.808	88432	88620
C102_0031	3.091	–	–	–	–	–	–	–	31	53	1.710	18	88731	88640	26	47	1.808	88432	88620
C102_0031	3.091	–	–	–	–	–	–	–	31	53	1.710	11	88729	88640	26	47	1.808	88432	88620
C102_0033	3.334	–	–	–	–	–	–	–	31	53	1.710	11	88729	88640	20	39	1.950	90942	90948
C102_0033	3.334	–	–	–	–	–	–	–	31	53	1.710	14	88730	88640	20	39	1.950	90942	90948
C102_0033	3.334	–	–	–	–	–	–	–	31	53	1.710	18	88731	88640	20	39	1.950	90942	90948
C102_0039	3.883	–	–	–	–	–	–	–	27	58	2.148	18	88728	88641	26	47	1.808	88432	88620
C102_0039	3.883	–	–	–	–	–	–	–	27	58	2.148	9	90505	88641	26	47	1.808	88432	88620
C102_0039	3.883	–	–	–	–	–	–	–	27	58	2.148	11	88726	88641	26	47	1.808	88432	88620
C102_0039	3.883	–	–	–	–	–	–	–	27	58	2.148	14	88727	88641	26	47	1.808	88432	88620
C102_0042	4.189	–	–	–	–	–	–	–	27	58	2.148	18	88728	88641	20	39	1.950	90942	90948
C102_0042	4.189	–	–	–	–	–	–	–	27	58	2.148	14	88727	88641	20	39	1.950	90942	90948
C102_0042	4.189	–	–	–	–	–	–	–	27	58	2.148	9	90505	88641	20	39	1.950	90942	90948
C102_0042	4.189	–	–	–	–	–	–	–	27	58	2.148	11	88726	88641	20	39	1.950	90942	90948
C102_0047	4.658	–	–	–	–	–	–	–	26	67	2.577	11	88723	88643	26	47	1.808	88432	88620
C102_0047	4.658	–	–	–	–	–	–	–	26	67	2.577	14	88724	88643	26	47	1.808	88432	88620
C102_0047	4.658	–	–	–	–	–	–	–	26	67	2.577	18	88725	88643	26	47	1.808	88432	88620
C102_0050	5.025	–	–	–	–	–	–	–	26	67	2.577	11	88723	88643	20	39	1.950	90942	90948
C102_0050	5.025	–	–	–	–	–	–	–	26	67	2.577	14	88724	88643	20	39	1.950	90942	90948
C102_0050	5.025	–	–	–	–	–	–	–	26	67	2.577	18	88725	88643	20	39	1.950	90942	90948
C102_0059	5.875	–	–	–	–	–	–	–	20	65	3.250	9	89243	88642	26	47	1.808	88432	88620
C102_0059	5.875	–	–	–	–	–	–	–	20	65	3.250	18	89244	88642	26	47	1.808	88432	88620
C102_0059	5.875	–	–	–	–	–	–	–	20	65	3.250	14	88722	88642	26	47	1.808	88432	88620
C102_0059	5.875	–	–	–	–	–	–	–	20	65	3.250	11	88721	88642	26	47	1.808	88432	88620
C102_0063	6.338	–	–	–	–	–	–	–	20	65	3.250	9	89243	88642	20	39	1.950	90942	90948
C102_0063	6.338	–	–	–	–	–	–	–	20	65	3.250	11	88721	88642	20	39	1.950	90942	90948
C102_0063	6.338	–	–	–	–	–	–	–	20	65	3.250	14	88722	88642	20	39	1.950	90942	90948
C102_0063	6.338	–	–	–	–	–	–	–	20	65	3.250	18	89244	88642	20	39	1.950	90942	90948
C102_0078	7.796	–	–	–	–	–	–	–	16	69	4.313	9	88719	88644	26	47	1.808	88432	88620
C102_0078	7.796	–	–	–	–	–	–	–	16	69	4.313	11	88720	88644	26	47	1.808	88432	88620
C102_0078	7.796	–	–	–	–	–	–	–	16	69	4.313	14	88509	88644	26	47	1.808	88432	88620
C102_0078	7.796	–	–	–	–	–	–	–	16	69	4.313	18	90005	88644	26	47	1.808	88432	88620
C102_0083	8.263	–	–	–	–	–	–	–	31	53	1.710	11	88729	88640	12	58	4.833	88803	88797
C102_0083	8.263	–	–	–	–	–	–	–	31	53	1.710	14	88730	88640	12	58	4.833	88803	88797
C102_0083	8.263	–	–	–	–	–	–	–	31	53	1.710	18	88731	88640	12	58	4.833	88803	88797
C102_0093	9.326	–	–	–	–	–	–	–	31	53	1.710	11	88729	88640	11	60	5.455	88431	88621
C102_0093	9.326	–	–	–	–	–	–	–	31	53	1.710	14	88730	88640	11	60	5.455	88431	88621
C102_0093	9.326	–	–	–	–	–	–	–	31	53	1.710	18	88731	88640	11	60	5.455	88431	88621
C102_0105	10.38	–	–	–	–	–	–	–	27	58	2.148	9	90505	88641	12	58	4.833	88803	88797
C102_0105	10.38	–	–	–	–	–	–	–	27	58	2.148	11	88726	88641	12	58	4.833	88803	88797
C102_0105	10.38	–	–	–	–	–	–	–	27	58	2.148	14	88727	88641	12	58	4.833	88803	88797
C102_0105	10.38	–	–	–	–	–	–	–	27	58	2.148	18	88728	88641	12	58	4.833	88803	88797

Type	i_{tot}	Øa	Pre stage						Input stage						Output stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
C102_0115	11.72	–	–	–	–	–	–	–	27	58	2.148	11	88726	88641	11	60	5.455	88431	88621
C102_0115	11.72	–	–	–	–	–	–	–	27	58	2.148	14	88727	88641	11	60	5.455	88431	88621
C102_0115	11.72	–	–	–	–	–	–	–	27	58	2.148	18	88728	88641	11	60	5.455	88431	88621
C102_0115	11.72	–	–	–	–	–	–	–	27	58	2.148	9	90505	88641	11	60	5.455	88431	88621
C102_0125	12.46	–	–	–	–	–	–	–	26	67	2.577	11	88723	88643	12	58	4.833	88803	88797
C102_0125	12.46	–	–	–	–	–	–	–	26	67	2.577	14	88724	88643	12	58	4.833	88803	88797
C102_0125	12.46	–	–	–	–	–	–	–	26	67	2.577	18	88725	88643	12	58	4.833	88803	88797
C102_0140	14.06	–	–	–	–	–	–	–	26	67	2.577	11	88723	88643	11	60	5.455	88431	88621
C102_0140	14.06	–	–	–	–	–	–	–	26	67	2.577	14	88724	88643	11	60	5.455	88431	88621
C102_0140	14.06	–	–	–	–	–	–	–	26	67	2.577	18	88725	88643	11	60	5.455	88431	88621
C102_0155	15.71	–	–	–	–	–	–	–	20	65	3.250	14	88722	88642	12	58	4.833	88803	88797
C102_0155	15.71	–	–	–	–	–	–	–	20	65	3.250	18	89244	88642	12	58	4.833	88803	88797
C102_0155	15.71	–	–	–	–	–	–	–	20	65	3.250	11	88721	88642	12	58	4.833	88803	88797
C102_0155	15.71	–	–	–	–	–	–	–	20	65	3.250	9	89243	88642	12	58	4.833	88803	88797
C102_0175	17.73	–	–	–	–	–	–	–	20	65	3.250	11	88721	88642	11	60	5.455	88431	88621
C102_0175	17.73	–	–	–	–	–	–	–	20	65	3.250	14	88722	88642	11	60	5.455	88431	88621
C102_0175	17.73	–	–	–	–	–	–	–	20	65	3.250	18	89244	88642	11	60	5.455	88431	88621
C102_0175	17.73	–	–	–	–	–	–	–	20	65	3.250	9	89243	88642	11	60	5.455	88431	88621
C102_0210	20.84	–	–	–	–	–	–	–	16	69	4.313	9	88719	88644	12	58	4.833	88803	88797
C102_0210	20.84	–	–	–	–	–	–	–	16	69	4.313	11	88720	88644	12	58	4.833	88803	88797
C102_0210	20.84	–	–	–	–	–	–	–	16	69	4.313	14	88509	88644	12	58	4.833	88803	88797
C102_0210	20.84	–	–	–	–	–	–	–	16	69	4.313	18	90005	88644	12	58	4.833	88803	88797
C102_0240	23.52	–	–	–	–	–	–	–	16	69	4.313	9	88719	88644	11	60	5.455	88431	88621
C102_0240	23.52	–	–	–	–	–	–	–	16	69	4.313	18	90005	88644	11	60	5.455	88431	88621
C102_0240	23.52	–	–	–	–	–	–	–	16	69	4.313	11	88720	88644	11	60	5.455	88431	88621
C102_0240	23.52	–	–	–	–	–	–	–	16	69	4.313	14	88509	88644	11	60	5.455	88431	88621
C102_0250	25.13	–	–	–	–	–	–	–	15	78	5.200	11	88718	88645	12	58	4.833	88803	88797
C102_0250	25.13	–	–	–	–	–	–	–	15	78	5.200	14	90507	88645	12	58	4.833	88803	88797
C102_0280	28.36	–	–	–	–	–	–	–	15	78	5.200	11	88718	88645	11	60	5.455	88431	88621
C102_0280	28.36	–	–	–	–	–	–	–	15	78	5.200	14	90507	88645	11	60	5.455	88431	88621
C102_0310	31.07	–	–	–	–	–	–	–	14	90	6.429	9	88712	88646	12	58	4.833	88803	88797
C102_0310	31.07	–	–	–	–	–	–	–	14	90	6.429	11	88713	88646	12	58	4.833	88803	88797
C102_0310	31.07	–	–	–	–	–	–	–	14	90	6.429	14	91232	88646	12	58	4.833	88803	88797
C102_0350	35.07	–	–	–	–	–	–	–	14	90	6.429	9	88712	88646	11	60	5.455	88431	88621
C102_0350	35.07	–	–	–	–	–	–	–	14	90	6.429	11	88713	88646	11	60	5.455	88431	88621
C102_0350	35.07	–	–	–	–	–	–	–	14	90	6.429	14	91232	88646	11	60	5.455	88431	88621
C102_0420	41.57	–	–	–	–	–	–	–	15	129	8.600	7	88697	88647	12	58	4.833	88803	88797
C102_0420	41.57	–	–	–	–	–	–	–	15	129	8.600	9	88698	88647	12	58	4.833	88803	88797
C102_0420	41.57	–	–	–	–	–	–	–	15	129	8.600	11	91227	88647	12	58	4.833	88803	88797
C102_0420	41.57	–	–	–	–	–	–	–	15	129	8.600	14	214665	88647	12	58	4.833	88803	88797
C102_0470	46.91	–	–	–	–	–	–	–	15	129	8.600	7	88697	88647	11	60	5.455	88431	88621
C102_0470	46.91	–	–	–	–	–	–	–	15	129	8.600	9	88698	88647	11	60	5.455	88431	88621
C102_0470	46.91	–	–	–	–	–	–	–	15	129	8.600	11	91227	88647	11	60	5.455	88431	88621
C102_0470	46.91	–	–	–	–	–	–	–	15	129	8.600	14	214665	88647	11	60	5.455	88431	88621
C102_0500	49.94	–	–	–	–	–	–	–	15	155	10.33	9	88715	88648	12	58	4.833	88803	88797
C102_0560	56.36	–	–	–	–	–	–	–	15	155	10.33	9	88715	88648	11	60	5.455	88431	88621
C102_0620	62.43	–	–	–	–	–	–	–	12	155	12.92	9	88515	88649	12	58	4.833	88803	88797
C102_0700	70.46	–	–	–	–	–	–	–	12	155	12.92	9	88515	88649	11	60	5.455	88431	88621
C103_0820	81.64	140	12	47	3.917	7	88692	88401	16	69	4.313	14	88509	88644	12	58	4.833	88803	88797
C103_0820	81.64	140	12	47	3.917	9	88693	88401	16	69	4.313	14	88509	88644	12	58	4.833	88803	88797
C103_0920	92.13	140	12	47	3.917	7	88692	88401	16	69	4.313	14	88509	88644	11	60	5.455	88431	88621
C103_0920	92.13	140	12	47	3.917	9	88693	88401	16	69	4.313	14	88509	88644	11	60	5.455	88431	88621
C103_1110	111.1	140	12	47	3.917	7	88692	88401	15	78	5.200	14	90507	88645	11	60	5.455	88431	88621
C103_1110	111.1	140	12	47	3.917	9	88693	88401	15	78	5.200	14	90507	88645	11	60	5.455	88431	88621
C103_1370	137.3	140	12	47	3.917	9	88693	88401	14	90	6.429	14	91232	88646	11	60	5.455	88431	88621
C103_1370	137.3	140	12	47	3.917	7	88692	88401	14	90	6.429	14	91232	88646	11	60	5.455	88431	88621
C103_1840	183.7	140	12	47	3.917	7	88692	88401	15	129	8.600	14	214665	88647	11	60	5.455	88431	88621
C103_1840	183.7	140	12	47	3.917	9	88693	88401	15	129	8.600	14	214665	88647	11	60	5.455	88431	88621
C103_2210	220.8	140	12	47	3.917	7	88692	88401	15	155	10.33	9	88715	88648	11	60	5.455	88431	88621
C103_2210	220.8	140	12	47	3.917	9	88693	88401	15	155	10.33	9	88715	88648	11	60	5.455	88431	88621
C103_2760	275.9	140	12	47	3.917	7	88692	88401	12	155	12.92	9	88515	88649	11	60	5.455	88431	88621
C103_2760	275.9	140	12	47	3.917	9	88693	88401	12	155	12.92	9	88515	88649	11	60	5.455	88431	88621
C202_0020	2.009	–	–	–	–	–	–	–	43	48	1.116	18	98222	98162	25	45	1.800	88434	88622
C202_0020	2.009	–	–	–	–	–	–	–	43	48	1.116	25	98166	98162	25	45	1.800	88434	88622
C202_0022	2.184	–	–	–	–	–	–	–	43	48	1.116	18	98222	98162	23	45	1.957	90943	90949
C202_0022	2.184	–	–	–	–	–	–	–	43	48	1.116	25	98166	98162	23	45	1.957	90943	90949
C202_0025	2.475	–	–	–	–	–	–	–	32	44	1.375	18	88768	93704	25	45	1.800	88434	88622
C202_0027	2.690	–	–	–	–	–	–	–	32	44	1.375	18	88768	93704	23	45	1.957	90943	90949
C202_0031	3.103	–	–	–	–	–	–	–	29	50	1.724	18	88753	88650	25	45	1.800	88434	88622
C202_0034	3.373	–	–	–	–	–	–	–	29	50	1.724	18	88753	88650	23	45	1.957	90943	90949
C202_0039	3.888	–	–	–	–	–	–	–	25	54	2.160	14	88748	88651	25	45	1.800	88434	88622
C202_0039	3.888	–	–	–	–	–	–	–	25	54	2.160	18	88749	88651	25	45	1.800	88434	88622
C202_0042	4.226	–	–	–	–	–	–	–	25	54	2.160	14	88748	88651	23	45	1.957	90943	90949
C202_0042	4.226	–	–	–	–	–	–	–	25	54	2.160	18	88749	88651	23	45	1.957	90943	90949
C202_0047	4.667	–	–	–	–	–	–	–	27	70	2.593	14	88750	88652	25	45	1.800	88434	88622
C202_0047	4.667	–	–	–	–	–	–	–	27	70	2.593	18	88751	88652	25	45	1.800	88434	88622
C202_0051	5.072	–	–	–	–	–	–	–	27	70	2.593	18	88751	88652	23	45	1.957	90943	90949
C202_0051	5.072	–	–	–	–	–	–	–	27	70	2.593	14	88750	88652	23	45	1.957	90943	90949

Type	i_{tot}	Øa	Pre stage						Input stage						Output stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
C202_0058	5.791	–	–	–	–	–	–	–	23	74	3.217	18	88747	88653	25	45	1.800	88434	88622
C202_0058	5.791	–	–	–	–	–	–	–	23	74	3.217	11	88745	88653	25	45	1.800	88434	88622
C202_0058	5.791	–	–	–	–	–	–	–	23	74	3.217	14	88746	88653	25	45	1.800	88434	88622
C202_0063	6.295	–	–	–	–	–	–	–	23	74	3.217	11	88745	88653	23	45	1.957	90943	90949
C202_0063	6.295	–	–	–	–	–	–	–	23	74	3.217	14	88746	88653	23	45	1.957	90943	90949
C202_0063	6.295	–	–	–	–	–	–	–	23	74	3.217	18	88747	88653	23	45	1.957	90943	90949
C202_0078	7.800	–	–	–	–	–	–	–	18	78	4.333	11	88743	88654	25	45	1.800	88434	88622
C202_0078	7.800	–	–	–	–	–	–	–	18	78	4.333	14	88744	88654	25	45	1.800	88434	88622
C202_0078	7.800	–	–	–	–	–	–	–	18	78	4.333	18	88510	88654	25	45	1.800	88434	88622
C202_0082	8.190	–	–	–	–	–	–	–	29	50	1.724	18	88753	88650	12	57	4.750	88804	88798
C202_0094	9.387	–	–	–	–	–	–	–	29	50	1.724	18	88753	88650	9	49	5.444	88433	88623
C202_0105	10.26	–	–	–	–	–	–	–	25	54	2.160	14	88748	88651	12	57	4.750	88804	88798
C202_0105	10.26	–	–	–	–	–	–	–	25	54	2.160	18	88749	88651	12	57	4.750	88804	88798
C202_0120	11.76	–	–	–	–	–	–	–	25	54	2.160	14	88748	88651	9	49	5.444	88433	88623
C202_0120	11.76	–	–	–	–	–	–	–	25	54	2.160	18	88749	88651	9	49	5.444	88433	88623
C202_0125	12.32	–	–	–	–	–	–	–	27	70	2.593	14	88750	88652	12	57	4.750	88804	88798
C202_0125	12.32	–	–	–	–	–	–	–	27	70	2.593	18	88751	88652	12	57	4.750	88804	88798
C202_0140	14.12	–	–	–	–	–	–	–	27	70	2.593	14	88750	88652	9	49	5.444	88433	88623
C202_0140	14.12	–	–	–	–	–	–	–	27	70	2.593	18	88751	88652	9	49	5.444	88433	88623
C202_0155	15.28	–	–	–	–	–	–	–	23	74	3.217	18	88747	88653	12	57	4.750	88804	88798
C202_0155	15.28	–	–	–	–	–	–	–	23	74	3.217	11	88745	88653	12	57	4.750	88804	88798
C202_0155	15.28	–	–	–	–	–	–	–	23	74	3.217	14	88746	88653	12	57	4.750	88804	88798
C202_0175	17.52	–	–	–	–	–	–	–	23	74	3.217	18	88747	88653	9	49	5.444	88433	88623
C202_0175	17.52	–	–	–	–	–	–	–	23	74	3.217	11	88745	88653	9	49	5.444	88433	88623
C202_0175	17.52	–	–	–	–	–	–	–	23	74	3.217	14	88746	88653	9	49	5.444	88433	88623
C202_0210	20.58	–	–	–	–	–	–	–	18	78	4.333	11	88743	88654	12	57	4.750	88804	88798
C202_0210	20.58	–	–	–	–	–	–	–	18	78	4.333	14	88744	88654	12	57	4.750	88804	88798
C202_0210	20.58	–	–	–	–	–	–	–	18	78	4.333	18	88510	88654	12	57	4.750	88804	88798
C202_0240	23.59	–	–	–	–	–	–	–	18	78	4.333	11	88743	88654	9	49	5.444	88433	88623
C202_0240	23.59	–	–	–	–	–	–	–	18	78	4.333	14	88744	88654	9	49	5.444	88433	88623
C202_0240	23.59	–	–	–	–	–	–	–	18	78	4.333	18	88510	88654	9	49	5.444	88433	88623
C202_0250	24.64	–	–	–	–	–	–	–	16	83	5.188	18	90508	88655	12	57	4.750	88804	88798
C202_0250	24.64	–	–	–	–	–	–	–	16	83	5.188	14	88741	88655	12	57	4.750	88804	88798
C202_0250	24.64	–	–	–	–	–	–	–	16	83	5.188	11	88740	88655	12	57	4.750	88804	88798
C202_0280	28.24	–	–	–	–	–	–	–	16	83	5.188	14	88741	88655	9	49	5.444	88433	88623
C202_0280	28.24	–	–	–	–	–	–	–	16	83	5.188	18	90508	88655	9	49	5.444	88433	88623
C202_0280	28.24	–	–	–	–	–	–	–	16	83	5.188	11	88740	88655	9	49	5.444	88433	88623
C202_0310	30.69	–	–	–	–	–	–	–	13	84	6.462	11	88738	88656	12	57	4.750	88804	88798
C202_0310	30.69	–	–	–	–	–	–	–	13	84	6.462	14	90006	88656	12	57	4.750	88804	88798
C202_0350	35.18	–	–	–	–	–	–	–	13	84	6.462	11	88738	88656	9	49	5.444	88433	88623
C202_0350	35.18	–	–	–	–	–	–	–	13	84	6.462	14	90006	88656	9	49	5.444	88433	88623
C202_0410	40.85	–	–	–	–	–	–	–	10	86	8.600	11	88733	88657	12	57	4.750	88804	88798
C202_0410	40.85	–	–	–	–	–	–	–	10	86	8.600	14	91233	88657	12	57	4.750	88804	88798
C202_0470	46.82	–	–	–	–	–	–	–	10	86	8.600	11	88733	88657	9	49	5.444	88433	88623
C202_0470	46.82	–	–	–	–	–	–	–	10	86	8.600	14	91233	88657	9	49	5.444	88433	88623
C202_0490	49.23	–	–	–	–	–	–	–	11	114	10.36	14	214667	88658	12	57	4.750	88804	88798
C202_0490	49.23	–	–	–	–	–	–	–	11	114	10.36	11	88735	88658	12	57	4.750	88804	88798
C202_0560	56.42	–	–	–	–	–	–	–	11	114	10.36	11	88735	88658	9	49	5.444	88433	88623
C202_0560	56.42	–	–	–	–	–	–	–	11	114	10.36	14	214667	88658	9	49	5.444	88433	88623
C202_0610	61.35	–	–	–	–	–	–	–	12	155	12.92	9	88736	88659	12	57	4.750	88804	88798
C202_0700	70.32	–	–	–	–	–	–	–	12	155	12.92	9	88736	88659	9	49	5.444	88433	88623
C203_0800	79.59	160	15	58	3.867	11	96523	96542	18	78	4.333	18	88510	88654	12	57	4.750	88804	88798
C203_0800	79.59	160	15	58	3.867	14	96524	96542	18	78	4.333	18	88510	88654	12	57	4.750	88804	88798
C203_0810	80.62	140	12	47	3.917	9	88693	88401	18	78	4.333	14	88744	88654	12	57	4.750	88804	88798
C203_0810	80.62	140	12	47	3.917	7	88692	88401	18	78	4.333	14	88744	88654	12	57	4.750	88804	88798
C203_0910	91.23	160	15	58	3.867	14	96524	96542	18	78	4.333	18	88510	88654	9	49	5.444	88433	88623
C203_0910	91.23	160	15	58	3.867	11	96523	96542	18	78	4.333	18	88510	88654	9	49	5.444	88433	88623
C203_0920	92.40	140	12	47	3.917	7	88692	88401	18	78	4.333	14	88744	88654	9	49	5.444	88433	88623
C203_0920	92.40	140	12	47	3.917	9	88693	88401	18	78	4.333	14	88744	88654	9	49	5.444	88433	88623
C203_1090	109.2	160	15	58	3.867	11	96523	96542	16	83	5.188	18	90508	88655	9	49	5.444	88433	88623
C203_1090	109.2	160	15	58	3.867	14	96524	96542	16	83	5.188	18	90508	88655	9	49	5.444	88433	88623
C203_1110	110.6	140	12	47	3.917	7	88692	88401	16	83	5.188	14	88741	88655	9	49	5.444	88433	88623
C203_1110	110.6	140	12	47	3.917	9	88693	88401	16	83	5.188	14	88741	88655	9	49	5.444	88433	88623
C203_1360	136.0	160	15	58	3.867	11	96523	96542	13	84	6.462	14	90006	88656	9	49	5.444	88433	88623
C203_1360	136.0	160	15	58	3.867	14	96524	96542	13	84	6.462	14	90006	88656	9	49	5.444	88433	88623
C203_1380	137.8	140	12	47	3.917	7	88692	88401	13	84	6.462	14	90006	88656	9	49	5.444	88433	88623
C203_1380	137.8	140	12	47	3.917	9	88693	88401	13	84	6.462	14	90006	88656	9	49	5.444	88433	88623
C203_1810	181.0	160	15	58	3.867	14	96524	96542	10	86	8.600	14	91233	88657	9	49	5.444	88433	88623
C203_1810	181.0	160	15	58	3.867	11	96523	96542	10	86	8.600	14	91233	88657	9	49	5.444	88433	88623
C203_1830	183.4	140	12	47	3.917	7	88692	88401	10	86	8.600	14	91233	88657	9	49	5.444	88433	88623
C203_1830	183.4	140	12	47	3.917	9	88693	88401	10	86	8.600	14	91233	88657	9	49	5.444	88433	88623
C203_2210	221.0	140	12	47	3.917	7	88692	88401	11	114	10.36	14	214667	88658	9	49	5.444	88433	88623
C203_2210	221.0	140	12	47	3.917	9	88693	88401	11	114	10.36	14	214667	88658	9	49	5.444	88433	88623
C203_2750	275.4	140	12	47	3.917	7	88692	88401	12	155	12.92	9	88736	88659	9	49	5.444	88433	88623
C203_2750	275.4	140	12	47	3.917	9	88693	88401	12	155	12.92	9	88736	88659	9	49	5.444	88433	88623
C302_0020	2.020	–	–	–	–	–	–	–	43	48	1.116	25	98226	98164	21	38	1.810	88436	88624
C302_0022	2.177	–	–	–	–	–	–	–	43	48	1.116	25	98226	98164	20	39	1.950	90944	90950
C302_0025	2.510	–	–	–	–	–	–	–	31	43	1.387	25	99426	91102	21	38	1.810	88436	88624

Type	i_{tot}	Øa	Pre stage						Input stage						Output stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
C302_0027	2.705	–	–	–	–	–	–	–	31	43	1.387	25	99426	91102	20	39	1.950	90944	90950
C302_0031	3.110	–	–	–	–	–	–	–	32	55	1.719	18	88768	88660	21	38	1.810	88436	88624
C302_0031	3.110	–	–	–	–	–	–	–	32	55	1.719	25	88769	88660	21	38	1.810	88436	88624
C302_0034	3.352	–	–	–	–	–	–	–	32	55	1.719	18	88768	88660	20	39	1.950	90944	90950
C302_0034	3.352	–	–	–	–	–	–	–	32	55	1.719	25	88769	88660	20	39	1.950	90944	90950
C302_0039	3.878	–	–	–	–	–	–	–	28	60	2.143	18	88766	88661	21	38	1.810	88436	88624
C302_0039	3.878	–	–	–	–	–	–	–	28	60	2.143	25	88767	88661	21	38	1.810	88436	88624
C302_0042	4.179	–	–	–	–	–	–	–	28	60	2.143	18	88766	88661	20	39	1.950	90944	90950
C302_0042	4.179	–	–	–	–	–	–	–	28	60	2.143	25	88767	88661	20	39	1.950	90944	90950
C302_0047	4.675	–	–	–	–	–	–	–	24	62	2.583	18	88764	88662	21	38	1.810	88436	88624
C302_0047	4.675	–	–	–	–	–	–	–	24	62	2.583	25	88765	88662	21	38	1.810	88436	88624
C302_0050	5.038	–	–	–	–	–	–	–	24	62	2.583	25	88765	88662	20	39	1.950	90944	90950
C302_0050	5.038	–	–	–	–	–	–	–	24	62	2.583	18	88764	88662	20	39	1.950	90944	90950
C302_0059	5.859	–	–	–	–	–	–	–	21	68	3.238	18	88763	88663	21	38	1.810	88436	88624
C302_0059	5.859	–	–	–	–	–	–	–	21	68	3.238	25	89309	88663	21	38	1.810	88436	88624
C302_0063	6.314	–	–	–	–	–	–	–	21	68	3.238	18	88763	88663	20	39	1.950	90944	90950
C302_0063	6.314	–	–	–	–	–	–	–	21	68	3.238	25	89309	88663	20	39	1.950	90944	90950
C302_0078	7.841	–	–	–	–	–	–	–	21	91	4.333	14	88760	88664	21	38	1.810	88436	88624
C302_0078	7.841	–	–	–	–	–	–	–	21	91	4.333	18	88761	88664	21	38	1.810	88436	88624
C302_0078	7.841	–	–	–	–	–	–	–	21	91	4.333	25	89308	88664	21	38	1.810	88436	88624
C302_0083	8.250	–	–	–	–	–	–	–	32	55	1.719	18	88768	88660	10	48	4.800	88805	88799
C302_0083	8.250	–	–	–	–	–	–	–	32	55	1.719	25	88769	88660	10	48	4.800	88805	88799
C302_0093	9.310	–	–	–	–	–	–	–	32	55	1.719	18	88768	88660	12	65	5.417	88435	88625
C302_0093	9.310	–	–	–	–	–	–	–	32	55	1.719	25	88769	88660	12	65	5.417	88435	88625
C302_0105	10.29	–	–	–	–	–	–	–	28	60	2.143	18	88766	88661	10	48	4.800	88805	88799
C302_0105	10.29	–	–	–	–	–	–	–	28	60	2.143	25	88767	88661	10	48	4.800	88805	88799
C302_0115	11.61	–	–	–	–	–	–	–	28	60	2.143	18	88766	88661	12	65	5.417	88435	88625
C302_0115	11.61	–	–	–	–	–	–	–	28	60	2.143	25	88767	88661	12	65	5.417	88435	88625
C302_0125	12.40	–	–	–	–	–	–	–	24	62	2.583	18	88764	88662	10	48	4.800	88805	88799
C302_0125	12.40	–	–	–	–	–	–	–	24	62	2.583	25	88765	88662	10	48	4.800	88805	88799
C302_0140	13.99	–	–	–	–	–	–	–	24	62	2.583	25	88765	88662	12	65	5.417	88435	88625
C302_0140	13.99	–	–	–	–	–	–	–	24	62	2.583	18	88764	88662	12	65	5.417	88435	88625
C302_0155	15.54	–	–	–	–	–	–	–	21	68	3.238	18	88763	88663	10	48	4.800	88805	88799
C302_0155	15.54	–	–	–	–	–	–	–	21	68	3.238	25	89309	88663	10	48	4.800	88805	88799
C302_0175	17.54	–	–	–	–	–	–	–	21	68	3.238	18	88763	88663	12	65	5.417	88435	88625
C302_0175	17.54	–	–	–	–	–	–	–	21	68	3.238	25	89309	88663	12	65	5.417	88435	88625
C302_0210	20.80	–	–	–	–	–	–	–	21	91	4.333	14	88760	88664	10	48	4.800	88805	88799
C302_0210	20.80	–	–	–	–	–	–	–	21	91	4.333	18	88761	88664	10	48	4.800	88805	88799
C302_0210	20.80	–	–	–	–	–	–	–	21	91	4.333	25	89308	88664	10	48	4.800	88805	88799
C302_0230	23.47	–	–	–	–	–	–	–	21	91	4.333	14	88760	88664	12	65	5.417	88435	88625
C302_0230	23.47	–	–	–	–	–	–	–	21	91	4.333	18	88761	88664	12	65	5.417	88435	88625
C302_0230	23.47	–	–	–	–	–	–	–	21	91	4.333	25	89308	88664	12	65	5.417	88435	88625
C302_0250	24.80	–	–	–	–	–	–	–	18	93	5.167	14	88744	88665	10	48	4.800	88805	88799
C302_0250	24.80	–	–	–	–	–	–	–	18	93	5.167	18	88510	88665	10	48	4.800	88805	88799
C302_0250	24.80	–	–	–	–	–	–	–	18	93	5.167	11	88743	88665	10	48	4.800	88805	88799
C302_0280	27.99	–	–	–	–	–	–	–	18	93	5.167	11	88743	88665	12	65	5.417	88435	88625
C302_0280	27.99	–	–	–	–	–	–	–	18	93	5.167	14	88744	88665	12	65	5.417	88435	88625
C302_0280	27.99	–	–	–	–	–	–	–	18	93	5.167	18	88510	88665	12	65	5.417	88435	88625
C302_0310	31.04	–	–	–	–	–	–	–	15	97	6.467	14	88759	88666	10	48	4.800	88805	88799
C302_0310	31.04	–	–	–	–	–	–	–	15	97	6.467	18	90509	88666	10	48	4.800	88805	88799
C302_0350	35.03	–	–	–	–	–	–	–	15	97	6.467	14	88759	88666	12	65	5.417	88435	88625
C302_0350	35.03	–	–	–	–	–	–	–	15	97	6.467	18	90509	88666	12	65	5.417	88435	88625
C302_0410	41.35	–	–	–	–	–	–	–	13	112	8.615	14	88757	88667	10	48	4.800	88805	88799
C302_0410	41.35	–	–	–	–	–	–	–	13	112	8.615	11	88756	88667	10	48	4.800	88805	88799
C302_0470	46.67	–	–	–	–	–	–	–	13	112	8.615	11	88756	88667	12	65	5.417	88435	88625
C302_0470	46.67	–	–	–	–	–	–	–	13	112	8.615	14	88757	88667	12	65	5.417	88435	88625
C302_0500	49.75	–	–	–	–	–	–	–	11	114	10.36	14	90007	88668	10	48	4.800	88805	88799
C302_0560	56.14	–	–	–	–	–	–	–	11	114	10.36	14	90007	88668	12	65	5.417	88435	88625
C302_0620	61.92	–	–	–	–	–	–	–	10	129	12.90	11	88754	88669	10	48	4.800	88805	88799
C302_0620	61.92	–	–	–	–	–	–	–	10	129	12.90	14	214666	88669	10	48	4.800	88805	88799
C302_0700	69.88	–	–	–	–	–	–	–	10	129	12.90	11	88754	88669	12	65	5.417	88435	88625
C302_0700	69.88	–	–	–	–	–	–	–	10	129	12.90	14	214666	88669	12	65	5.417	88435	88625
C303_0800	80.43	160	15	58	3.867	11	96523	96542	21	91	4.333	18	88761	88664	10	48	4.800	88805	88799
C303_0800	80.43	160	15	58	3.867	14	96524	96542	21	91	4.333	18	88761	88664	10	48	4.800	88805	88799
C303_0810	81.47	140	12	47	3.917	7	88692	88401	21	91	4.333	14	88760	88664	10	48	4.800	88805	88799
C303_0810	81.47	140	12	47	3.917	9	88693	88401	21	91	4.333	14	88760	88664	10	48	4.800	88805	88799
C303_0910	90.76	160	15	58	3.867	11	96523	96542	21	91	4.333	18	88761	88664	12	65	5.417	88435	88625
C303_0910	90.76	160	15	58	3.867	14	96524	96542	21	91	4.333	18	88761	88664	12	65	5.417	88435	88625
C303_0920	91.93	140	12	47	3.917	7	88692	88401	21	91	4.333	14	88760	88664	12	65	5.417	88435	88625
C303_0920	91.93	140	12	47	3.917	9	88693	88401	21	91	4.333	14	88760	88664	12	65	5.417	88435	88625
C303_1080	108.2	160	15	58	3.867	11	96523	96542	18	93	5.167	18	88510	88665	12	65	5.417	88435	88625
C303_1080	108.2	160	15	58	3.867	14	96524	96542	18	93	5.167	18	88510	88665	12	65	5.417	88435	88625
C303_1100	109.6	140	12	47	3.917	7	88692	88401	18	93	5.167	14	88744	88665	12	65	5.417	88435	88625
C303_1100	109.6	140	12	47	3.917	9	88693	88401	18	93	5.167	14	88744	88665	12	65	5.417	88435	88625
C303_1350	135.4	160	15	58	3.867	14	96524	96542	15	97	6.467	18	90509	88666	12	65	5.417	88435	88625
C303_1350	135.4	160	15	58	3.867	11	96523	96542	15	97	6.467	18	90509	88666	12	65	5.417	88435	88625
C303_1370	137.2	140	12	47	3.917	7	88692	88401	15	97	6.467	14	88759	88666	12	65	5.417	88435	88625
C303_1370	137.2	140	12	47	3.917	9	88693	88401	15	97	6.467	14	88759	88666	12	65	5.417	88435	88625

Type	i_{tot}	Øa	Pre stage						Input stage						Output stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
C303_1800	180.4	160	15	58	3.867	11	96523	96542	13	112	8.615	14	88757	88667	12	65	5.417	88435	88625
C303_1800	180.4	160	15	58	3.867	14	96524	96542	13	112	8.615	14	88757	88667	12	65	5.417	88435	88625
C303_1830	182.8	140	12	47	3.917	7	88692	88401	13	112	8.615	14	88757	88667	12	65	5.417	88435	88625
C303_1830	182.8	140	12	47	3.917	9	88693	88401	13	112	8.615	14	88757	88667	12	65	5.417	88435	88625
C303_2170	217.1	160	15	58	3.867	11	96523	96542	11	114	10.36	14	90007	88668	12	65	5.417	88435	88625
C303_2170	217.1	160	15	58	3.867	14	96524	96542	11	114	10.36	14	90007	88668	12	65	5.417	88435	88625
C303_2200	219.9	140	12	47	3.917	7	88692	88401	11	114	10.36	14	90007	88668	12	65	5.417	88435	88625
C303_2200	219.9	140	12	47	3.917	9	88693	88401	11	114	10.36	14	90007	88668	12	65	5.417	88435	88625
C303_2740	273.7	140	12	47	3.917	7	88692	88401	10	129	12.90	14	214666	88669	12	65	5.417	88435	88625
C303_2740	273.7	140	12	47	3.917	9	88693	88401	10	129	12.90	14	214666	88669	12	65	5.417	88435	88625
C402_0020	1.968	–	–	–	–	–	–	–	35	38	1.086	25	96522	96540	16	29	1.813	88438	88626
C402_0025	2.456	–	–	–	–	–	–	–	31	42	1.355	25	89293	96541	16	29	1.813	88438	88626
C402_0031	3.099	–	–	–	–	–	–	–	31	53	1.710	25	88785	88670	16	29	1.813	88438	88626
C402_0039	3.894	–	–	–	–	–	–	–	27	58	2.148	18	88782	88671	16	29	1.813	88438	88626
C402_0039	3.894	–	–	–	–	–	–	–	27	58	2.148	25	88783	88671	16	29	1.813	88438	88626
C402_0047	4.682	–	–	–	–	–	–	–	24	62	2.583	18	88780	88672	16	29	1.813	88438	88626
C402_0047	4.682	–	–	–	–	–	–	–	24	62	2.583	25	88781	88672	16	29	1.813	88438	88626
C402_0059	5.891	–	–	–	–	–	–	–	20	65	3.250	18	88778	88673	16	29	1.813	88438	88626
C402_0059	5.891	–	–	–	–	–	–	–	20	65	3.250	25	88779	88673	16	29	1.813	88438	88626
C402_0078	7.816	–	–	–	–	–	–	–	16	69	4.313	18	88777	88674	16	29	1.813	88438	88626
C402_0078	7.816	–	–	–	–	–	–	–	16	69	4.313	25	88511	88674	16	29	1.813	88438	88626
C402_0083	8.285	–	–	–	–	–	–	–	31	53	1.710	25	88785	88670	13	63	4.846	88806	88800
C402_0093	9.261	–	–	–	–	–	–	–	31	53	1.710	25	88785	88670	12	65	5.417	88437	88627
C402_0105	10.41	–	–	–	–	–	–	–	27	58	2.148	18	88782	88671	13	63	4.846	88806	88800
C402_0105	10.41	–	–	–	–	–	–	–	27	58	2.148	25	88783	88671	13	63	4.846	88806	88800
C402_0115	11.64	–	–	–	–	–	–	–	27	58	2.148	18	88782	88671	12	65	5.417	88437	88627
C402_0115	11.64	–	–	–	–	–	–	–	27	58	2.148	25	88783	88671	12	65	5.417	88437	88627
C402_0125	12.52	–	–	–	–	–	–	–	24	62	2.583	18	88780	88672	13	63	4.846	88806	88800
C402_0125	12.52	–	–	–	–	–	–	–	24	62	2.583	25	88781	88672	13	63	4.846	88806	88800
C402_0140	13.99	–	–	–	–	–	–	–	24	62	2.583	25	88781	88672	12	65	5.417	88437	88627
C402_0140	13.99	–	–	–	–	–	–	–	24	62	2.583	18	88780	88672	12	65	5.417	88437	88627
C402_0160	15.75	–	–	–	–	–	–	–	20	65	3.250	25	88779	88673	13	63	4.846	88806	88800
C402_0160	15.75	–	–	–	–	–	–	–	20	65	3.250	18	88778	88673	13	63	4.846	88806	88800
C402_0175	17.60	–	–	–	–	–	–	–	20	65	3.250	18	88778	88673	12	65	5.417	88437	88627
C402_0175	17.60	–	–	–	–	–	–	–	20	65	3.250	25	88779	88673	12	65	5.417	88437	88627
C402_0210	20.90	–	–	–	–	–	–	–	16	69	4.313	18	88777	88674	13	63	4.846	88806	88800
C402_0210	20.90	–	–	–	–	–	–	–	16	69	4.313	25	88511	88674	13	63	4.846	88806	88800
C402_0230	23.36	–	–	–	–	–	–	–	16	69	4.313	18	88777	88674	12	65	5.417	88437	88627
C402_0230	23.36	–	–	–	–	–	–	–	16	69	4.313	25	88511	88674	12	65	5.417	88437	88627
C402_0250	24.92	–	–	–	–	–	–	–	14	72	5.143	18	88776	88675	13	63	4.846	88806	88800
C402_0280	27.86	–	–	–	–	–	–	–	14	72	5.143	18	88776	88675	12	65	5.417	88437	88627
C402_0310	31.15	–	–	–	–	–	–	–	14	90	6.429	14	88773	88676	13	63	4.846	88806	88800
C402_0310	31.15	–	–	–	–	–	–	–	14	90	6.429	18	88774	88676	13	63	4.846	88806	88800
C402_0350	34.82	–	–	–	–	–	–	–	14	90	6.429	18	88774	88676	12	65	5.417	88437	88627
C402_0350	34.82	–	–	–	–	–	–	–	14	90	6.429	14	88773	88676	12	65	5.417	88437	88627
C402_0420	41.75	–	–	–	–	–	–	–	13	112	8.615	14	88771	88677	13	63	4.846	88806	88800
C402_0420	41.75	–	–	–	–	–	–	–	13	112	8.615	18	89285	88677	13	63	4.846	88806	88800
C402_0470	46.67	–	–	–	–	–	–	–	13	112	8.615	14	88771	88677	12	65	5.417	88437	88627
C402_0470	46.67	–	–	–	–	–	–	–	13	112	8.615	18	89285	88677	12	65	5.417	88437	88627
C402_0500	50.19	–	–	–	–	–	–	–	14	145	10.36	14	88772	88679	13	63	4.846	88806	88800
C402_0560	56.10	–	–	–	–	–	–	–	14	145	10.36	14	88772	88679	12	65	5.417	88437	88627
C402_0630	62.52	–	–	–	–	–	–	–	10	129	12.90	14	88516	88678	13	63	4.846	88806	88800
C402_0700	69.88	–	–	–	–	–	–	–	10	129	12.90	14	88516	88678	12	65	5.417	88437	88627
C403_0810	80.81	160	15	58	3.867	14	96524	96542	16	69	4.313	18	88777	88674	13	63	4.846	88806	88800
C403_0810	80.81	160	15	58	3.867	11	96523	96542	16	69	4.313	18	88777	88674	13	63	4.846	88806	88800
C403_0900	90.32	160	15	58	3.867	11	96523	96542	16	69	4.313	18	88777	88674	12	65	5.417	88437	88627
C403_0900	90.32	160	15	58	3.867	14	96524	96542	16	69	4.313	18	88777	88674	12	65	5.417	88437	88627
C403_1080	107.7	160	15	58	3.867	11	96523	96542	14	72	5.143	18	88776	88675	12	65	5.417	88437	88627
C403_1080	107.7	160	15	58	3.867	14	96524	96542	14	72	5.143	18	88776	88675	12	65	5.417	88437	88627
C403_1350	134.6	160	15	58	3.867	11	96523	96542	14	90	6.429	18	88774	88676	12	65	5.417	88437	88627
C403_1350	134.6	160	15	58	3.867	14	96524	96542	14	90	6.429	18	88774	88676	12	65	5.417	88437	88627
C403_1800	180.4	160	15	58	3.867	11	96523	96542	13	112	8.615	18	89285	88677	12	65	5.417	88437	88627
C403_1800	180.4	160	15	58	3.867	14	96524	96542	13	112	8.615	18	89285	88677	12	65	5.417	88437	88627
C403_2170	216.9	160	15	58	3.867	11	96523	96542	14	145	10.36	14	88772	88679	12	65	5.417	88437	88627
C403_2170	216.9	160	15	58	3.867	14	96524	96542	14	145	10.36	14	88772	88679	12	65	5.417	88437	88627
C403_2700	270.2	160	15	58	3.867	14	96524	96542	10	129	12.90	14	88516	88678	12	65	5.417	88437	88627
C403_2700	270.2	160	15	58	3.867	11	96523	96542	10	129	12.90	14	88516	88678	12	65	5.417	88437	88627
C502_0020	1.976	–	–	–	–	–	–	–	41	45	1.098	25	92432	92433	20	36	1.800	88440	88628
C502_0020	1.976	–	–	–	–	–	–	–	41	45	1.098	30	98167	92433	20	36	1.800	88440	88628
C502_0031	3.077	–	–	–	–	–	–	–	31	53	1.710	25	89293	88680	20	36	1.800	88440	88628
C502_0039	3.867	–	–	–	–	–	–	–	27	58	2.148	25	89291	88681	20	36	1.800	88440	88628
C502_0046	4.629	–	–	–	–	–	–	–	28	72	2.571	18	88814	88684	20	36	1.800	88440	88628
C502_0046	4.629	–	–	–	–	–	–	–	28	72	2.571	25	89292	88684	20	36	1.800	88440	88628
C502_0059	5.850	–	–	–	–	–	–	–	20	65	3.250	25	89290	88682	20	36	1.800	88440	88628
C502_0078	7.763	–	–	–	–	–	–	–	16	69	4.313	18	89288	88683	20	36	1.800	88440	88628
C502_0078	7.763	–	–	–	–	–	–	–	16	69	4.313	25	89289	88683	20	36	1.800	88440	88628
C502_0083	8.263	–	–	–	–	–	–	–	31	53	1.710	25	89293	88680	12	58	4.833	88807	88801
C502_0093	9.261	–	–	–	–	–	–	–	31	53	1.710	25	89293	88680	12	65	5.417	88439	88629

Type	i_{tot}	Øa	Pre stage						Input stage						Output stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
C502_0105	10.38	–	–	–	–	–	–	–	27	58	2.148	25	89291	88681	12	58	4.833	88807	88801
C502_0115	11.64	–	–	–	–	–	–	–	27	58	2.148	25	89291	88681	12	65	5.417	88439	88629
C502_0125	12.43	–	–	–	–	–	–	–	28	72	2.571	18	88814	88684	12	58	4.833	88807	88801
C502_0125	12.43	–	–	–	–	–	–	–	28	72	2.571	25	89292	88684	12	58	4.833	88807	88801
C502_0140	13.93	–	–	–	–	–	–	–	28	72	2.571	18	88814	88684	12	65	5.417	88439	88629
C502_0140	13.93	–	–	–	–	–	–	–	28	72	2.571	25	89292	88684	12	65	5.417	88439	88629
C502_0155	15.71	–	–	–	–	–	–	–	20	65	3.250	25	89290	88682	12	58	4.833	88807	88801
C502_0175	17.60	–	–	–	–	–	–	–	20	65	3.250	25	89290	88682	12	65	5.417	88439	88629
C502_0210	20.84	–	–	–	–	–	–	–	16	69	4.313	18	89288	88683	12	58	4.833	88807	88801
C502_0210	20.84	–	–	–	–	–	–	–	16	69	4.313	25	89289	88683	12	58	4.833	88807	88801
C502_0230	23.36	–	–	–	–	–	–	–	16	69	4.313	18	89288	88683	12	65	5.417	88439	88629
C502_0230	23.36	–	–	–	–	–	–	–	16	69	4.313	25	89289	88683	12	65	5.417	88439	88629
C502_0250	25.07	–	–	–	–	–	–	–	16	83	5.188	18	88777	88685	12	58	4.833	88807	88801
C502_0250	25.07	–	–	–	–	–	–	–	16	83	5.188	25	88511	88685	12	58	4.833	88807	88801
C502_0280	28.10	–	–	–	–	–	–	–	16	83	5.188	18	88777	88685	12	65	5.417	88439	88629
C502_0280	28.10	–	–	–	–	–	–	–	16	83	5.188	25	88511	88685	12	65	5.417	88439	88629
C502_0310	31.23	–	–	–	–	–	–	–	13	84	6.462	18	89286	88686	12	58	4.833	88807	88801
C502_0350	35.00	–	–	–	–	–	–	–	13	84	6.462	18	89286	88686	12	65	5.417	88439	88629
C502_0420	41.69	–	–	–	–	–	–	–	16	138	8.625	18	89287	88688	12	58	4.833	88807	88801
C502_0470	46.72	–	–	–	–	–	–	–	16	138	8.625	18	89287	88688	12	65	5.417	88439	88629
C502_0500	49.82	–	–	–	–	–	–	–	13	134	10.31	14	88771	88687	12	58	4.833	88807	88801
C502_0500	49.82	–	–	–	–	–	–	–	13	134	10.31	18	89285	88687	12	58	4.833	88807	88801
C502_0560	55.83	–	–	–	–	–	–	–	13	134	10.31	14	88771	88687	12	65	5.417	88439	88629
C502_0560	55.83	–	–	–	–	–	–	–	13	134	10.31	18	89285	88687	12	65	5.417	88439	88629
C502_0620	62.43	–	–	–	–	–	–	–	12	155	12.92	14	89284	88689	12	58	4.833	88807	88801
C502_0700	69.97	–	–	–	–	–	–	–	12	155	12.92	14	89284	88689	12	65	5.417	88439	88629
C503_0810	80.60	160	15	58	3.867	11	96523	96542	16	69	4.313	18	89288	88683	12	58	4.833	88807	88801
C503_0810	80.60	160	15	58	3.867	14	96524	96542	16	69	4.313	18	89288	88683	12	58	4.833	88807	88801
C503_0900	90.32	160	15	58	3.867	14	96524	96542	16	69	4.313	18	89288	88683	12	65	5.417	88439	88629
C503_0900	90.32	160	15	58	3.867	11	96523	96542	16	69	4.313	18	89288	88683	12	65	5.417	88439	88629
C503_1090	108.6	160	15	58	3.867	11	96523	96542	16	83	5.188	18	88777	88685	12	65	5.417	88439	88629
C503_1090	108.6	160	15	58	3.867	14	96524	96542	16	83	5.188	18	88777	88685	12	65	5.417	88439	88629
C503_1350	135.3	160	15	58	3.867	11	96523	96542	13	84	6.462	18	89286	88686	12	65	5.417	88439	88629
C503_1350	135.3	160	15	58	3.867	14	96524	96542	13	84	6.462	18	89286	88686	12	65	5.417	88439	88629
C503_1810	180.6	160	15	58	3.867	11	96523	96542	16	138	8.625	18	89287	88688	12	65	5.417	88439	88629
C503_1810	180.6	160	15	58	3.867	14	96524	96542	16	138	8.625	18	89287	88688	12	65	5.417	88439	88629
C503_2160	215.9	160	15	58	3.867	11	96523	96542	13	134	10.31	18	89285	88687	12	65	5.417	88439	88629
C503_2160	215.9	160	15	58	3.867	14	96524	96542	13	134	10.31	18	89285	88687	12	65	5.417	88439	88629
C503_2710	270.5	160	15	58	3.867	11	96523	96542	12	155	12.92	14	89284	88689	12	65	5.417	88439	88629
C503_2710	270.5	160	15	58	3.867	14	96524	96542	12	155	12.92	14	89284	88689	12	65	5.417	88439	88629
C612_0042	4.184	–	–	–	–	–	–	–	41	45	1.098	30	96527	96545	16	61	3.813	96574	96284
C612_0051	5.083	–	–	–	–	–	–	–	36	48	1.333	30	94313	94314	16	61	3.813	96574	96284
C612_0059	5.854	–	–	–	–	–	–	–	41	45	1.098	30	96527	96545	12	64	5.333	96074	96075
C612_0065	6.518	–	–	–	–	–	–	–	31	53	1.710	25	89762	89799	16	61	3.813	96574	96284
C612_0065	6.518	–	–	–	–	–	–	–	31	53	1.710	30	89763	89799	16	61	3.813	96574	96284
C612_0071	7.111	–	–	–	–	–	–	–	36	48	1.333	30	94313	94314	12	64	5.333	96074	96075
C612_0082	8.190	–	–	–	–	–	–	–	27	58	2.148	25	89760	89798	16	61	3.813	96574	96284
C612_0082	8.190	–	–	–	–	–	–	–	27	58	2.148	30	89761	89798	16	61	3.813	96574	96284
C612_0091	9.118	–	–	–	–	–	–	–	31	53	1.710	25	89762	89799	12	64	5.333	96074	96075
C612_0091	9.118	–	–	–	–	–	–	–	31	53	1.710	30	89763	89799	12	64	5.333	96074	96075
C612_0100	10.11	–	–	–	–	–	–	–	23	61	2.652	30	89759	89797	16	61	3.813	96574	96284
C612_0100	10.11	–	–	–	–	–	–	–	23	61	2.652	25	89758	89797	16	61	3.813	96574	96284
C612_0115	11.46	–	–	–	–	–	–	–	27	58	2.148	25	89760	89798	12	64	5.333	96074	96075
C612_0115	11.46	–	–	–	–	–	–	–	27	58	2.148	30	89761	89798	12	64	5.333	96074	96075
C612_0125	12.58	–	–	–	–	–	–	–	20	66	3.300	25	89755	89796	16	61	3.813	96574	96284
C612_0125	12.58	–	–	–	–	–	–	–	20	66	3.300	30	89756	89796	16	61	3.813	96574	96284
C612_0140	14.15	–	–	–	–	–	–	–	23	61	2.652	25	89758	89797	12	64	5.333	96074	96075
C612_0140	14.15	–	–	–	–	–	–	–	23	61	2.652	30	89759	89797	12	64	5.333	96074	96075
C612_0160	16.20	–	–	–	–	–	–	–	16	68	4.250	25	89752	89795	16	61	3.813	96574	96284
C612_0160	16.20	–	–	–	–	–	–	–	16	68	4.250	30	89753	89795	16	61	3.813	96574	96284
C612_0175	17.60	–	–	–	–	–	–	–	20	66	3.300	25	89755	89796	12	64	5.333	96074	96075
C612_0175	17.60	–	–	–	–	–	–	–	20	66	3.300	30	89756	89796	12	64	5.333	96074	96075
C612_0195	19.61	–	–	–	–	–	–	–	14	72	5.143	18	89749	89794	16	61	3.813	96574	96284
C612_0195	19.61	–	–	–	–	–	–	–	14	72	5.143	25	89750	89794	16	61	3.813	96574	96284
C612_0230	22.67	–	–	–	–	–	–	–	16	68	4.250	25	89752	89795	12	64	5.333	96074	96075
C612_0230	22.67	–	–	–	–	–	–	–	16	68	4.250	30	89753	89795	12	64	5.333	96074	96075
C612_0250	24.93	–	–	–	–	–	–	–	13	85	6.538	18	89747	89793	16	61	3.813	96574	96284
C612_0250	24.93	–	–	–	–	–	–	–	13	85	6.538	25	89748	89793	16	61	3.813	96574	96284
C612_0270	27.43	–	–	–	–	–	–	–	14	72	5.143	18	89749	89794	12	64	5.333	96074	96075
C612_0270	27.43	–	–	–	–	–	–	–	14	72	5.143	25	89750	89794	12	64	5.333	96074	96075
C612_0320	32.41	–	–	–	–	–	–	–	12	102	8.500	18	89746	89792	16	61	3.813	96574	96284
C612_0320	32.41	–	–	–	–	–	–	–	12	102	8.500	25	89764	89792	16	61	3.813	96574	96284
C612_0350	34.87	–	–	–	–	–	–	–	13	85	6.538	25	89748	89793	12	64	5.333	96074	96075
C612_0350	34.87	–	–	–	–	–	–	–	13	85	6.538	18	89747	89793	12	64	5.333	96074	96075
C612_0390	39.40	–	–	–	–	–	–	–	12	124	10.33	18	89745	89791	16	61	3.813	96574	96284
C612_0450	45.33	–	–	–	–	–	–	–	12	102	8.500	25	89764	89792	12	64	5.333	96074	96075
C612_0450	45.33	–	–	–	–	–	–	–	12	102	8.500	18	89746	89792	12	64	5.333	96074	96075
C612_0550	55.11	–	–	–	–	–	–	–	12	124	10.33	18	89745	89791	12	64	5.333	96074	96075

Type	i_{tot}	Øa	Pre stage						Input stage						Output stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
C612_0690	68.89	–	–	–	–	–	–	–	12	155	12.92	18	89744	89790	12	64	5.333	96074	96075
C613_0490	49.28	200	12	47	3.917	18	96076	96080	20	66	3.300	25	89755	89796	16	61	3.813	96574	96284
C613_0630	63.46	200	12	47	3.917	18	96076	96080	16	68	4.250	25	89752	89795	16	61	3.813	96574	96284
C613_0760	75.81	160	15	58	3.867	11	96523	96542	14	72	5.143	18	89749	89794	16	61	3.813	96574	96284
C613_0760	75.81	160	15	58	3.867	14	96524	96542	14	72	5.143	18	89749	89794	16	61	3.813	96574	96284
C613_0770	76.80	200	12	47	3.917	18	96076	96080	14	72	5.143	25	89750	89794	16	61	3.813	96574	96284
C613_0890	88.78	200	12	47	3.917	18	96076	96080	16	68	4.250	25	89752	89795	12	64	5.333	96074	96075
C613_0980	97.63	200	12	47	3.917	18	96076	96080	13	85	6.538	25	89748	89793	16	61	3.813	96574	96284
C613_1060	106.1	160	15	58	3.867	11	96523	96542	14	72	5.143	18	89749	89794	12	64	5.333	96074	96075
C613_1060	106.1	160	15	58	3.867	14	96524	96542	14	72	5.143	18	89749	89794	12	64	5.333	96074	96075
C613_1070	107.4	200	12	47	3.917	18	96076	96080	14	72	5.143	25	89750	89794	12	64	5.333	96074	96075
C613_1270	126.9	200	12	47	3.917	18	96076	96080	12	102	8.500	25	89764	89792	16	61	3.813	96574	96284
C613_1350	134.8	160	15	58	3.867	11	96523	96542	13	85	6.538	18	89747	89793	12	64	5.333	96074	96075
C613_1350	134.8	160	15	58	3.867	14	96524	96542	13	85	6.538	18	89747	89793	12	64	5.333	96074	96075
C613_1370	136.6	200	12	47	3.917	18	96076	96080	13	85	6.538	25	89748	89793	12	64	5.333	96074	96075
C613_1750	175.3	160	15	58	3.867	11	96523	96542	12	102	8.500	18	89746	89792	12	64	5.333	96074	96075
C613_1750	175.3	160	15	58	3.867	14	96524	96542	12	102	8.500	18	89746	89792	12	64	5.333	96074	96075
C613_1780	177.6	200	12	47	3.917	18	96076	96080	12	102	8.500	25	89764	89792	12	64	5.333	96074	96075
C613_2130	213.1	160	15	58	3.867	11	96523	96542	12	124	10.33	18	89745	89791	12	64	5.333	96074	96075
C613_2130	213.1	160	15	58	3.867	14	96524	96542	12	124	10.33	18	89745	89791	12	64	5.333	96074	96075
C613_2660	266.4	160	15	58	3.867	11	96523	96542	12	155	12.92	18	89744	89790	12	64	5.333	96074	96075
C613_2660	266.4	160	15	58	3.867	14	96524	96542	12	155	12.92	18	89744	89790	12	64	5.333	96074	96075
C712_0043	4.259	–	–	–	–	–	–	–	49	53	1.082	30	96067	96068	16	63	3.938	96575	96615
C712_0053	5.311	–	–	–	–	–	–	–	43	58	1.349	30	96533	96547	16	63	3.938	96575	96615
C712_0074	7.357	–	–	–	–	–	–	–	43	58	1.349	30	96533	96547	11	60	5.455	89868	96287
C712_0085	8.490	–	–	–	–	–	–	–	32	69	2.156	30	89770	89841	16	63	3.938	96575	96615
C712_0099	9.912	–	–	–	–	–	–	–	29	73	2.517	25	89767	89840	16	63	3.938	96575	96615
C712_0099	9.912	–	–	–	–	–	–	–	29	73	2.517	30	89768	89840	16	63	3.938	96575	96615
C712_0120	11.76	–	–	–	–	–	–	–	32	69	2.156	30	89770	89841	11	60	5.455	89868	96287
C712_0130	13.18	–	–	–	–	–	–	–	23	77	3.348	25	89758	89839	16	63	3.938	96575	96615
C712_0130	13.18	–	–	–	–	–	–	–	23	77	3.348	30	89759	89839	16	63	3.938	96575	96615
C712_0135	13.73	–	–	–	–	–	–	–	29	73	2.517	25	89767	89840	11	60	5.455	89868	96287
C712_0135	13.73	–	–	–	–	–	–	–	29	73	2.517	30	89768	89840	11	60	5.455	89868	96287
C712_0165	16.73	–	–	–	–	–	–	–	20	85	4.250	25	89755	89805	16	63	3.938	96575	96615
C712_0165	16.73	–	–	–	–	–	–	–	20	85	4.250	30	89756	89805	16	63	3.938	96575	96615
C712_0185	18.26	–	–	–	–	–	–	–	23	77	3.348	25	89758	89839	11	60	5.455	89868	96287
C712_0185	18.26	–	–	–	–	–	–	–	23	77	3.348	30	89759	89839	11	60	5.455	89868	96287
C712_0210	20.67	–	–	–	–	–	–	–	16	84	5.250	25	89752	89804	16	63	3.938	96575	96615
C712_0210	20.67	–	–	–	–	–	–	–	16	84	5.250	30	89753	89804	16	63	3.938	96575	96615
C712_0230	23.18	–	–	–	–	–	–	–	20	85	4.250	25	89755	89805	11	60	5.455	89868	96287
C712_0230	23.18	–	–	–	–	–	–	–	20	85	4.250	30	89756	89805	11	60	5.455	89868	96287
C712_0250	25.31	–	–	–	–	–	–	–	14	90	6.429	25	89750	89803	16	63	3.938	96575	96615
C712_0250	25.31	–	–	–	–	–	–	–	14	90	6.429	18	89749	89803	16	63	3.938	96575	96615
C712_0290	28.64	–	–	–	–	–	–	–	16	84	5.250	25	89752	89804	11	60	5.455	89868	96287
C712_0290	28.64	–	–	–	–	–	–	–	16	84	5.250	30	89753	89804	11	60	5.455	89868	96287
C712_0340	33.80	–	–	–	–	–	–	–	12	103	8.583	25	89766	89802	16	63	3.938	96575	96615
C712_0350	35.07	–	–	–	–	–	–	–	14	90	6.429	18	89749	89803	11	60	5.455	89868	96287
C712_0350	35.07	–	–	–	–	–	–	–	14	90	6.429	25	89750	89803	11	60	5.455	89868	96287
C712_0410	41.02	–	–	–	–	–	–	–	12	125	10.42	18	89746	89801	16	63	3.938	96575	96615
C712_0410	41.02	–	–	–	–	–	–	–	12	125	10.42	25	89764	89801	16	63	3.938	96575	96615
C712_0470	46.82	–	–	–	–	–	–	–	12	103	8.583	25	89766	89802	11	60	5.455	89868	96287
C712_0570	56.82	–	–	–	–	–	–	–	12	125	10.42	25	89764	89801	11	60	5.455	89868	96287
C712_0570	56.82	–	–	–	–	–	–	–	12	125	10.42	18	89746	89801	11	60	5.455	89868	96287
C712_0700	69.55	–	–	–	–	–	–	–	12	153	12.75	18	89745	89800	11	60	5.455	89868	96287
C713_0510	50.85	250	14	54	3.857	25	96077	96081	23	77	3.348	30	89759	89839	16	63	3.938	96575	96615
C713_0650	64.55	250	14	54	3.857	25	96077	96081	20	85	4.250	30	89756	89805	16	63	3.938	96575	96615
C713_0800	79.73	250	14	54	3.857	25	96077	96081	16	84	5.250	30	89753	89804	16	63	3.938	96575	96615
C713_0810	80.97	200	12	47	3.917	18	96076	96080	16	84	5.250	25	89752	89804	16	63	3.938	96575	96615
C713_0890	89.42	250	14	54	3.857	25	96077	96081	20	85	4.250	30	89756	89805	11	60	5.455	89868	96287
C713_0980	97.63	250	14	54	3.857	25	96077	96081	14	90	6.429	25	89750	89803	16	63	3.938	96575	96615
C713_0990	99.14	200	12	47	3.917	18	96076	96080	14	90	6.429	25	89750	89803	16	63	3.938	96575	96615
C713_1100	110.5	250	14	54	3.857	25	96077	96081	16	84	5.250	30	89753	89804	11	60	5.455	89868	96287
C713_1300	130.4	250	14	54	3.857	25	96077	96081	12	103	8.583	25	89766	89802	16	63	3.938	96575	96615
C713_1320	132.4	200	12	47	3.917	18	96076	96080	12	103	8.583	25	89766	89802	16	63	3.938	96575	96615
C713_1350	135.3	250	14	54	3.857	25	96077	96081	14	90	6.429	25	89750	89803	11	60	5.455	89868	96287
C713_1370	137.3	200	12	47	3.917	18	96076	96080	14	90	6.429	25	89750	89803	11	60	5.455	89868	96287
C713_1810	180.6	250	14	54	3.857	25	96077	96081	12	103	8.583	25	89766	89802	11	60	5.455	89868	96287
C713_1830	183.4	200	12	47	3.917	18	96076	96080	12	103	8.583	25	89766	89802	11	60	5.455	89868	96287
C713_2190	219.2	250	14	54	3.857	25	96077	96081	12	125	10.42	25	89764	89801	11	60	5.455	89868	96287
C713_2230	222.5	200	12	47	3.917	18	96076	96080	12	125	10.42	25	89764	89801	11	60	5.455	89868	96287
C812_0042	4.225	–	–	–	–	–	–	–	54	58	1.074	40	96535	96548	15	59	3.933	96576	96285
C812_0067	6.670	–	–	–	–	–	–	–	46	78	1.696	40	89782	89852	15	59	3.933	96576	96285
C812_0067	6.670	–	–	–	–	–	–	–	46	78	1.696	30	89898	89852	15	59	3.933	96576	96285
C812_0090	9.043	–	–	–	–	–	–	–	46	78	1.696	40	89782	89852	12	64	5.333	89871	96288
C812_0090	9.043	–	–	–	–	–	–	–	46	78	1.696	30	89898	89852	12	64	5.333	89871	96288
C812_0100	10.15	–	–	–	–	–	–	–	31	80	2.581	30	89778	89850	15	59	3.933	96576	96285
C812_0100	10.15	–	–	–	–	–	–	–	31	80	2.581	40	89779	89850	15	59	3.933	96576	96285
C812_0125	12.75	–	–	–	–	–	–	–	29	94	3.241	25	89767	89849	15	59	3.933	96576	96285

Type	i_{tot}	Øa	Pre stage						Input stage						Output stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
C812_0125	12.75	–	–	–	–	–	–	–	29	94	3.241	30	89768	89849	15	59	3.933	96576	96285
C812_0140	13.76	–	–	–	–	–	–	–	31	80	2.581	30	89778	89850	12	64	5.333	89871	96288
C812_0140	13.76	–	–	–	–	–	–	–	31	80	2.581	40	89779	89850	12	64	5.333	89871	96288
C812_0170	17.10	–	–	–	–	–	–	–	23	100	4.348	25	89758	89848	15	59	3.933	96576	96285
C812_0170	17.10	–	–	–	–	–	–	–	23	100	4.348	30	89759	89848	15	59	3.933	96576	96285
C812_0175	17.29	–	–	–	–	–	–	–	29	94	3.241	25	89767	89849	12	64	5.333	89871	96288
C812_0175	17.29	–	–	–	–	–	–	–	29	94	3.241	30	89768	89849	12	64	5.333	89871	96288
C812_0200	20.26	–	–	–	–	–	–	–	20	103	5.150	30	89775	89847	15	59	3.933	96576	96285
C812_0200	20.26	–	–	–	–	–	–	–	20	103	5.150	25	89774	89847	15	59	3.933	96576	96285
C812_0230	23.19	–	–	–	–	–	–	–	23	100	4.348	25	89758	89848	12	64	5.333	89871	96288
C812_0230	23.19	–	–	–	–	–	–	–	23	100	4.348	30	89759	89848	12	64	5.333	89871	96288
C812_0260	26.06	–	–	–	–	–	–	–	16	106	6.625	25	89752	89846	15	59	3.933	96576	96285
C812_0260	26.06	–	–	–	–	–	–	–	16	106	6.625	30	89753	89846	15	59	3.933	96576	96285
C812_0270	27.47	–	–	–	–	–	–	–	20	103	5.150	25	89774	89847	12	64	5.333	89871	96288
C812_0270	27.47	–	–	–	–	–	–	–	20	103	5.150	30	89775	89847	12	64	5.333	89871	96288
C812_0340	33.59	–	–	–	–	–	–	–	13	111	8.538	30	89783	89845	15	59	3.933	96576	96285
C812_0340	33.59	–	–	–	–	–	–	–	13	111	8.538	25	89773	89845	15	59	3.933	96576	96285
C812_0350	35.33	–	–	–	–	–	–	–	16	106	6.625	30	89753	89846	12	64	5.333	89871	96288
C812_0350	35.33	–	–	–	–	–	–	–	16	106	6.625	25	89752	89846	12	64	5.333	89871	96288
C812_0400	39.94	–	–	–	–	–	–	–	13	132	10.15	25	89748	89844	15	59	3.933	96576	96285
C812_0460	45.54	–	–	–	–	–	–	–	13	111	8.538	25	89773	89845	12	64	5.333	89871	96288
C812_0460	45.54	–	–	–	–	–	–	–	13	111	8.538	30	89783	89845	12	64	5.333	89871	96288
C812_0540	54.15	–	–	–	–	–	–	–	13	132	10.15	25	89748	89844	12	64	5.333	89871	96288
C812_0690	68.89	–	–	–	–	–	–	–	12	155	12.92	25	89764	89843	12	64	5.333	89871	96288
C813_0490	49.18	250	14	54	3.857	25	96077	96081	29	94	3.241	30	89768	89849	15	59	3.933	96576	96285
C813_0660	65.96	250	14	54	3.857	25	96077	96081	23	100	4.348	30	89759	89848	15	59	3.933	96576	96285
C813_0780	78.13	250	14	54	3.857	25	96077	96081	20	103	5.150	30	89775	89847	15	59	3.933	96576	96285
C813_0790	79.34	200	12	47	3.917	18	96076	96080	20	103	5.150	25	89774	89847	15	59	3.933	96576	96285
C813_0890	89.44	250	14	54	3.857	25	96077	96081	23	100	4.348	30	89759	89848	12	64	5.333	89871	96288
C813_0910	90.82	200	12	47	3.917	18	96076	96080	23	100	4.348	25	89758	89848	12	64	5.333	89871	96288
C813_1010	100.5	250	14	54	3.857	25	96077	96081	16	106	6.625	30	89753	89846	15	59	3.933	96576	96285
C813_1060	105.9	250	14	54	3.857	25	96077	96081	20	103	5.150	30	89775	89847	12	64	5.333	89871	96288
C813_1080	107.6	200	12	47	3.917	18	96076	96080	20	103	5.150	25	89774	89847	12	64	5.333	89871	96288
C813_1300	129.5	250	14	54	3.857	25	96077	96081	13	111	8.538	30	89783	89845	15	59	3.933	96576	96285
C813_1360	136.3	250	14	54	3.857	25	96077	96081	16	106	6.625	30	89753	89846	12	64	5.333	89871	96288
C813_1380	138.4	200	12	47	3.917	18	96076	96080	16	106	6.625	25	89752	89846	12	64	5.333	89871	96288
C813_1760	175.6	250	14	54	3.857	25	96077	96081	13	111	8.538	30	89783	89845	12	64	5.333	89871	96288
C813_1780	178.4	200	12	47	3.917	18	96076	96080	13	111	8.538	25	89773	89845	12	64	5.333	89871	96288
C813_2090	208.9	250	14	54	3.857	25	96077	96081	13	132	10.15	25	89748	89844	12	64	5.333	89871	96288
C813_2120	212.1	200	12	47	3.917	18	96076	96080	13	132	10.15	25	89748	89844	12	64	5.333	89871	96288
C813_2660	265.7	250	14	54	3.857	25	96077	96081	12	155	12.92	25	89764	89843	12	64	5.333	89871	96288
C813_2700	269.8	200	12	47	3.917	18	96076	96080	12	155	12.92	25	89764	89843	12	64	5.333	89871	96288
C912_0083	8.288	–	–	–	–	–	–	–	46	100	2.174	40	89782	89861	16	61	3.813	96577	96286
C912_0120	11.78	–	–	–	–	–	–	–	46	100	2.174	40	89782	89861	12	65	5.417	89874	96289
C912_0125	12.42	–	–	–	–	–	–	–	31	101	3.258	40	89779	89859	16	61	3.813	96577	96286
C912_0165	16.46	–	–	–	–	–	–	–	22	95	4.318	40	89787	89858	16	61	3.813	96577	96286
C912_0175	17.65	–	–	–	–	–	–	–	31	101	3.258	40	89779	89859	12	65	5.417	89874	96289
C912_0200	20.15	–	–	–	–	–	–	–	21	111	5.286	30	96511	96519	16	61	3.813	96577	96286
C912_0200	20.15	–	–	–	–	–	–	–	21	111	5.286	40	96512	96519	16	61	3.813	96577	96286
C912_0230	23.39	–	–	–	–	–	–	–	22	95	4.318	40	89787	89858	12	65	5.417	89874	96289
C912_0250	25.34	–	–	–	–	–	–	–	17	113	6.647	40	96515	96520	16	61	3.813	96577	96286
C912_0290	28.63	–	–	–	–	–	–	–	21	111	5.286	40	96512	96519	12	65	5.417	89874	96289
C912_0290	28.63	–	–	–	–	–	–	–	21	111	5.286	30	96511	96519	12	65	5.417	89874	96289
C912_0320	32.13	–	–	–	–	–	–	–	14	118	8.429	30	96517	96521	16	61	3.813	96577	96286
C912_0320	32.13	–	–	–	–	–	–	–	14	118	8.429	40	96518	96521	16	61	3.813	96577	96286
C912_0360	36.01	–	–	–	–	–	–	–	17	113	6.647	40	96515	96520	12	65	5.417	89874	96289
C912_0390	39.30	–	–	–	–	–	–	–	13	134	10.31	25	89773	89854	16	61	3.813	96577	96286
C912_0390	39.30	–	–	–	–	–	–	–	13	134	10.31	30	89783	89854	16	61	3.813	96577	96286
C912_0460	45.66	–	–	–	–	–	–	–	14	118	8.429	30	96517	96521	12	65	5.417	89874	96289
C912_0460	45.66	–	–	–	–	–	–	–	14	118	8.429	40	96518	96521	12	65	5.417	89874	96289
C912_0560	55.83	–	–	–	–	–	–	–	13	134	10.31	25	89773	89854	12	65	5.417	89874	96289
C912_0560	55.83	–	–	–	–	–	–	–	13	134	10.31	30	89783	89854	12	65	5.417	89874	96289
C912_0700	69.97	–	–	–	–	–	–	–	12	155	12.92	25	89766	89853	12	65	5.417	89874	96289
C913_0650	64.59	300	13	51	3.923	25	96078	96082	22	95	4.318	40	89787	89858	16	61	3.813	96577	96286
C913_0650	64.59	300	13	51	3.923	30	96079	96082	22	95	4.318	40	89787	89858	16	61	3.813	96577	96286
C913_0780	77.73	250	14	54	3.857	25	96077	96081	21	111	5.286	30	96511	96519	16	61	3.813	96577	96286
C913_0790	79.06	300	13	51	3.923	25	96078	96082	21	111	5.286	40	96512	96519	16	61	3.813	96577	96286
C913_0790	79.06	300	13	51	3.923	30	96079	96082	21	111	5.286	40	96512	96519	16	61	3.813	96577	96286
C913_0920	91.76	300	13	51	3.923	25	96078	96082	22	95	4.318	40	89787	89858	12	65	5.417	89874	96289
C913_0920	91.76	300	13	51	3.923	30	96079	96082	22	95	4.318	40	89787	89858	12	65	5.417	89874	96289
C913_0990	99.42	300	13	51	3.923	30	96079	96082	17	113	6.647	40	96515	96520	16	61	3.813	96577	96286
C913_0990	99.42	300	13	51	3.923	25	96078	96082	17	113	6.647	40	96515	96520	16	61	3.813	96577	96286
C913_1100	110.4	250	14	54	3.857	25	96077	96081	21	111	5.286	30	96511	96519	12	65	5.417	89874	96289
C913_1120	112.3	300	13	51	3.923	30	96079	96082	21	111	5.286	40	96512	96519	12	65	5.417	89874	96289
C913_1120	112.3	300	13	51	3.923	25	96078	96082	21	111	5.286	40	96512	96519	12	65	5.417	89874	96289
C913_1260	126.1	300	13	51	3.923	25	96078	96082	14	118	8.429	40	96518	96521	16	61	3.813	96577	96286
C913_1260	126.1	300	13	51	3.923	30	96079	96082	14	118	8.429	40	96518	96521	16	61	3.813	96577	96286
C913_1410	141.3	300	13	51	3.923	25	96078	96082	17	113	6.647	40	96515	96520	12	65	5.417	89874	96289

Type	i_{tot}	Øa	Pre stage						Input stage						Output stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
C913_1410	141.3	300	13	51	3.923	30	96079	96082	17	113	6.647	40	96515	96520	12	65	5.417	89874	96289
C913_1760	176.1	250	14	54	3.857	25	96077	96081	14	118	8.429	30	96517	96521	12	65	5.417	89874	96289
C913_1790	179.1	300	13	51	3.923	25	96078	96082	14	118	8.429	40	96518	96521	12	65	5.417	89874	96289
C913_1790	179.1	300	13	51	3.923	30	96079	96082	14	118	8.429	40	96518	96521	12	65	5.417	89874	96289
C913_2150	215.4	250	14	54	3.857	25	96077	96081	13	134	10.31	30	89783	89854	12	65	5.417	89874	96289

7 Gearset list offset helical gear units F

Type	i_{tot}	Øa	Pre stage						Input stage						Output stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
F102_0043	4.308	–	–	–	–	–	–	–	39	40	1.026	11	95092	95094	20	84	4.200	88430	88441
F102_0043	4.308	–	–	–	–	–	–	–	39	40	1.026	14	95096	95094	20	84	4.200	88430	88441
F102_0043	4.308	–	–	–	–	–	–	–	39	40	1.026	9	95398	95094	20	84	4.200	88430	88441
F102_0065	6.462	–	–	–	–	–	–	–	26	40	1.538	11	95091	95093	20	84	4.200	88430	88441
F102_0065	6.462	–	–	–	–	–	–	–	26	40	1.538	14	95095	95093	20	84	4.200	88430	88441
F102_0072	7.156	–	–	–	–	–	–	–	27	46	1.704	14	91228	88630	20	84	4.200	88430	88441
F102_0072	7.156	–	–	–	–	–	–	–	27	46	1.704	7	88707	88630	20	84	4.200	88430	88441
F102_0072	7.156	–	–	–	–	–	–	–	27	46	1.704	9	88708	88630	20	84	4.200	88430	88441
F102_0072	7.156	–	–	–	–	–	–	–	27	46	1.704	11	88709	88630	20	84	4.200	88430	88441
F102_0089	8.948	–	–	–	–	–	–	–	23	49	2.130	14	91229	88631	20	84	4.200	88430	88441
F102_0089	8.948	–	–	–	–	–	–	–	23	49	2.130	9	88705	88631	20	84	4.200	88430	88441
F102_0089	8.948	–	–	–	–	–	–	–	23	49	2.130	11	88706	88631	20	84	4.200	88430	88441
F102_0110	10.92	–	–	–	–	–	–	–	20	52	2.600	14	91230	88632	20	84	4.200	88430	88441
F102_0110	10.92	–	–	–	–	–	–	–	20	52	2.600	7	88701	88632	20	84	4.200	88430	88441
F102_0110	10.92	–	–	–	–	–	–	–	20	52	2.600	9	88702	88632	20	84	4.200	88430	88441
F102_0110	10.92	–	–	–	–	–	–	–	20	52	2.600	11	88703	88632	20	84	4.200	88430	88441
F102_0135	13.59	–	–	–	–	–	–	–	17	55	3.235	14	91231	88633	20	84	4.200	88430	88441
F102_0135	13.59	–	–	–	–	–	–	–	17	55	3.235	11	88716	88633	20	84	4.200	88430	88441
F102_0135	13.59	–	–	–	–	–	–	–	17	55	3.235	7	88699	88633	20	84	4.200	88430	88441
F102_0135	13.59	–	–	–	–	–	–	–	17	55	3.235	9	88700	88633	20	84	4.200	88430	88441
F102_0185	18.46	–	–	–	–	–	–	–	27	46	1.704	7	88707	88630	12	130	10.83	88429	88442
F102_0185	18.46	–	–	–	–	–	–	–	27	46	1.704	9	88708	88630	12	130	10.83	88429	88442
F102_0185	18.46	–	–	–	–	–	–	–	27	46	1.704	11	88709	88630	12	130	10.83	88429	88442
F102_0185	18.46	–	–	–	–	–	–	–	27	46	1.704	14	91228	88630	12	130	10.83	88429	88442
F102_0230	23.08	–	–	–	–	–	–	–	23	49	2.130	9	88705	88631	12	130	10.83	88429	88442
F102_0230	23.08	–	–	–	–	–	–	–	23	49	2.130	11	88706	88631	12	130	10.83	88429	88442
F102_0230	23.08	–	–	–	–	–	–	–	23	49	2.130	14	91229	88631	12	130	10.83	88429	88442
F102_0280	28.17	–	–	–	–	–	–	–	20	52	2.600	7	88701	88632	12	130	10.83	88429	88442
F102_0280	28.17	–	–	–	–	–	–	–	20	52	2.600	9	88702	88632	12	130	10.83	88429	88442
F102_0280	28.17	–	–	–	–	–	–	–	20	52	2.600	11	88703	88632	12	130	10.83	88429	88442
F102_0280	28.17	–	–	–	–	–	–	–	20	52	2.600	14	91230	88632	12	130	10.83	88429	88442
F102_0350	35.05	–	–	–	–	–	–	–	17	55	3.235	7	88699	88633	12	130	10.83	88429	88442
F102_0350	35.05	–	–	–	–	–	–	–	17	55	3.235	14	91231	88633	12	130	10.83	88429	88442
F102_0350	35.05	–	–	–	–	–	–	–	17	55	3.235	11	88716	88633	12	130	10.83	88429	88442
F102_0350	35.05	–	–	–	–	–	–	–	17	55	3.235	9	88700	88633	12	130	10.83	88429	88442
F102_0460	46.43	–	–	–	–	–	–	–	14	60	4.286	7	88695	88634	12	130	10.83	88429	88442
F102_0460	46.43	–	–	–	–	–	–	–	14	60	4.286	9	88696	88634	12	130	10.83	88429	88442
F102_0460	46.43	–	–	–	–	–	–	–	14	60	4.286	11	88512	88634	12	130	10.83	88429	88442
F102_0460	46.43	–	–	–	–	–	–	–	14	60	4.286	14	214670	88634	12	130	10.83	88429	88442
F102_0560	55.97	–	–	–	–	–	–	–	12	62	5.167	7	88692	88635	12	130	10.83	88429	88442
F102_0560	55.97	–	–	–	–	–	–	–	12	62	5.167	9	88693	88635	12	130	10.83	88429	88442
F102_0560	55.97	–	–	–	–	–	–	–	12	62	5.167	11	91226	88635	12	130	10.83	88429	88442
F102_0560	55.97	–	–	–	–	–	–	–	12	62	5.167	14	214669	88635	12	130	10.83	88429	88442
F102_0700	70.06	–	–	–	–	–	–	–	15	97	6.467	7	88697	88636	12	130	10.83	88429	88442
F102_0700	70.06	–	–	–	–	–	–	–	15	97	6.467	9	88698	88636	12	130	10.83	88429	88442
F102_0700	70.06	–	–	–	–	–	–	–	15	97	6.467	11	91227	88636	12	130	10.83	88429	88442
F102_0700	70.06	–	–	–	–	–	–	–	15	97	6.467	14	214665	88636	12	130	10.83	88429	88442
F102_0940	93.63	–	–	–	–	–	–	–	14	121	8.643	7	88694	88637	12	130	10.83	88429	88442
F102_0940	93.63	–	–	–	–	–	–	–	14	121	8.643	9	91225	88637	12	130	10.83	88429	88442
F102_1120	111.9	–	–	–	–	–	–	–	12	124	10.33	9	215076	88638	12	130	10.83	88429	88442
F102_1120	111.9	–	–	–	–	–	–	–	12	124	10.33	7	88691	88638	12	130	10.83	88429	88442
F102_1400	139.8	–	–	–	–	–	–	–	10	129	12.90	7	88690	88639	12	130	10.83	88429	88442
F102_1400	139.8	–	–	–	–	–	–	–	10	129	12.90	9	215075	88639	12	130	10.83	88429	88442
F202_0047	4.680	–	–	–	–	–	–	–	43	48	1.116	14	98217	98228	26	109	4.192	88432	88443
F202_0047	4.680	–	–	–	–	–	–	–	43	48	1.116	18	98218	98228	26	109	4.192	88432	88443
F202_0056	5.552	–	–	–	–	–	–	–	37	49	1.324	18	99425	94286	26	109	4.192	88432	88443
F202_0072	7.167	–	–	–	–	–	–	–	31	53	1.710	18	88731	88640	26	109	4.192	88432	88443
F202_0072	7.167	–	–	–	–	–	–	–	31	53	1.710	11	88729	88640	26	109	4.192	88432	88443
F202_0072	7.167	–	–	–	–	–	–	–	31	53	1.710	14	88730	88640	26	109	4.192	88432	88443
F202_0090	9.006	–	–	–	–	–	–	–	27	58	2.148	18	88728	88641	26	109	4.192	88432	88443
F202_0090	9.006	–	–	–	–	–	–	–	27	58	2.148	9	90505	88641	26	109	4.192	88432	88443
F202_0090	9.006	–	–	–	–	–	–	–	27	58	2.148	11	88726	88641	26	109	4.192	88432	88443
F202_0090	9.006	–	–	–	–	–	–	–	27	58	2.148	14	88727	88641	26	109	4.192	88432	88443
F202_0110	10.80	–	–	–	–	–	–	–	26	67	2.577	18	88725	88643	26	109	4.192	88432	88443
F202_0110	10.80	–	–	–	–	–	–	–	26	67	2.577	14	88724	88643	26	109	4.192	88432	88443
F202_0110	10.80	–	–	–	–	–	–	–	26	67	2.577	11	88723	88643	26	109	4.192	88432	88443
F202_0135	13.63	–	–	–	–	–	–	–	20	65	3.250	9	89243	88642	26	109	4.192	88432	88443
F202_0135	13.63	–	–	–	–	–	–	–	20	65	3.250	11	88721	88642	26	109	4.192	88432	88443
F202_0135	13.63	–	–	–	–	–	–	–	20	65	3.250	14	88722	88642	26	109	4.192	88432	88443
F202_0135	13.63	–	–	–	–	–	–	–	20	65	3.250	18	89244	88642	26	109	4.192	88432	88443
F202_0185	18.65	–	–	–	–	–	–	–	31	53	1.710	11	88729	88640	11	120	10.91	88431	88444
F202_0185	18.65	–	–	–	–	–	–	–	31	53	1.710	14	88730	88640	11	120	10.91	88431	88444
F202_0185	18.65	–	–	–	–	–	–	–	31	53	1.710	18	88731	88640	11	120	10.91	88431	88444
F202_0230	23.43	–	–	–	–	–	–	–	27	58	2.148	9	90505	88641	11	120	10.91	88431	88444
F202_0230	23.43	–	–	–	–	–	–	–	27	58	2.148	11	88726	88641	11	120	10.91	88431	88444

Type	i_{tot}	Øa	Pre stage						Input stage						Output stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
F202_0230	23.43	–	–	–	–	–	–	–	27	58	2.148	14	88727	88641	11	120	10.91	88431	88444
F202_0230	23.43	–	–	–	–	–	–	–	27	58	2.148	18	88728	88641	11	120	10.91	88431	88444
F202_0280	28.11	–	–	–	–	–	–	–	26	67	2.577	14	88724	88643	11	120	10.91	88431	88444
F202_0280	28.11	–	–	–	–	–	–	–	26	67	2.577	18	88725	88643	11	120	10.91	88431	88444
F202_0280	28.11	–	–	–	–	–	–	–	26	67	2.577	11	88723	88643	11	120	10.91	88431	88444
F202_0350	35.46	–	–	–	–	–	–	–	20	65	3.250	11	88721	88642	11	120	10.91	88431	88444
F202_0350	35.46	–	–	–	–	–	–	–	20	65	3.250	14	88722	88642	11	120	10.91	88431	88444
F202_0350	35.46	–	–	–	–	–	–	–	20	65	3.250	18	89244	88642	11	120	10.91	88431	88444
F202_0350	35.46	–	–	–	–	–	–	–	20	65	3.250	9	89243	88642	11	120	10.91	88431	88444
F202_0470	47.05	–	–	–	–	–	–	–	16	69	4.313	14	88509	88644	11	120	10.91	88431	88444
F202_0470	47.05	–	–	–	–	–	–	–	16	69	4.313	18	90005	88644	11	120	10.91	88431	88444
F202_0470	47.05	–	–	–	–	–	–	–	16	69	4.313	11	88720	88644	11	120	10.91	88431	88444
F202_0470	47.05	–	–	–	–	–	–	–	16	69	4.313	9	88719	88644	11	120	10.91	88431	88444
F202_0570	56.73	–	–	–	–	–	–	–	15	78	5.200	14	90507	88645	11	120	10.91	88431	88444
F202_0570	56.73	–	–	–	–	–	–	–	15	78	5.200	11	88718	88645	11	120	10.91	88431	88444
F202_0700	70.13	–	–	–	–	–	–	–	14	90	6.429	9	88712	88646	11	120	10.91	88431	88444
F202_0700	70.13	–	–	–	–	–	–	–	14	90	6.429	11	88713	88646	11	120	10.91	88431	88444
F202_0700	70.13	–	–	–	–	–	–	–	14	90	6.429	14	91232	88646	11	120	10.91	88431	88444
F202_0940	93.82	–	–	–	–	–	–	–	15	129	8.600	9	88698	88647	11	120	10.91	88431	88444
F202_0940	93.82	–	–	–	–	–	–	–	15	129	8.600	11	91227	88647	11	120	10.91	88431	88444
F202_0940	93.82	–	–	–	–	–	–	–	15	129	8.600	14	214665	88647	11	120	10.91	88431	88444
F202_0940	93.82	–	–	–	–	–	–	–	15	129	8.600	7	88697	88647	11	120	10.91	88431	88444
F202_1130	112.7	–	–	–	–	–	–	–	15	155	10.33	9	88715	88648	11	120	10.91	88431	88444
F202_1410	140.9	–	–	–	–	–	–	–	12	155	12.92	9	88515	88649	11	120	10.91	88431	88444
F203_1840	184.3	140	12	47	3.917	7	88692	88401	16	69	4.313	14	88509	88644	11	120	10.91	88431	88444
F203_1840	184.3	140	12	47	3.917	9	88693	88401	16	69	4.313	14	88509	88644	11	120	10.91	88431	88444
F203_2220	222.2	140	12	47	3.917	7	88692	88401	15	78	5.200	14	90507	88645	11	120	10.91	88431	88444
F203_2220	222.2	140	12	47	3.917	9	88693	88401	15	78	5.200	14	90507	88645	11	120	10.91	88431	88444
F203_2750	274.7	140	12	47	3.917	7	88692	88401	14	90	6.429	14	91232	88646	11	120	10.91	88431	88444
F203_2750	274.7	140	12	47	3.917	9	88693	88401	14	90	6.429	14	91232	88646	11	120	10.91	88431	88444
F203_3670	367.5	140	12	47	3.917	7	88692	88401	15	129	8.600	14	214665	88647	11	120	10.91	88431	88444
F203_3670	367.5	140	12	47	3.917	9	88693	88401	15	129	8.600	14	214665	88647	11	120	10.91	88431	88444
F203_4420	441.5	140	12	47	3.917	7	88692	88401	15	155	10.33	9	88715	88648	11	120	10.91	88431	88444
F203_4420	441.5	140	12	47	3.917	9	88693	88401	15	155	10.33	9	88715	88648	11	120	10.91	88431	88444
F203_5520	551.9	140	12	47	3.917	7	88692	88401	12	155	12.92	9	88515	88649	11	120	10.91	88431	88444
F203_5520	551.9	140	12	47	3.917	9	88693	88401	12	155	12.92	9	88515	88649	11	120	10.91	88431	88444
F302_0046	4.644	–	–	–	–	–	–	–	43	48	1.116	18	98222	98162	25	104	4.160	88434	88446
F302_0046	4.644	–	–	–	–	–	–	–	43	48	1.116	25	98166	98162	25	104	4.160	88434	88446
F302_0057	5.720	–	–	–	–	–	–	–	32	44	1.375	18	88768	93704	25	104	4.160	88434	88446
F302_0072	7.172	–	–	–	–	–	–	–	29	50	1.724	18	88753	88650	25	104	4.160	88434	88446
F302_0090	8.986	–	–	–	–	–	–	–	25	54	2.160	14	88748	88651	25	104	4.160	88434	88446
F302_0090	8.986	–	–	–	–	–	–	–	25	54	2.160	18	88749	88651	25	104	4.160	88434	88446
F302_0110	10.79	–	–	–	–	–	–	–	27	70	2.593	14	88750	88652	25	104	4.160	88434	88446
F302_0110	10.79	–	–	–	–	–	–	–	27	70	2.593	18	88751	88652	25	104	4.160	88434	88446
F302_0135	13.38	–	–	–	–	–	–	–	23	74	3.217	14	88746	88653	25	104	4.160	88434	88446
F302_0135	13.38	–	–	–	–	–	–	–	23	74	3.217	18	88747	88653	25	104	4.160	88434	88446
F302_0135	13.38	–	–	–	–	–	–	–	23	74	3.217	11	88745	88653	25	104	4.160	88434	88446
F302_0190	18.77	–	–	–	–	–	–	–	29	50	1.724	18	88753	88650	9	98	10.89	88433	88445
F302_0240	23.52	–	–	–	–	–	–	–	25	54	2.160	14	88748	88651	9	98	10.89	88433	88445
F302_0240	23.52	–	–	–	–	–	–	–	25	54	2.160	18	88749	88651	9	98	10.89	88433	88445
F302_0280	28.23	–	–	–	–	–	–	–	27	70	2.593	18	88751	88652	9	98	10.89	88433	88445
F302_0280	28.23	–	–	–	–	–	–	–	27	70	2.593	14	88750	88652	9	98	10.89	88433	88445
F302_0350	35.03	–	–	–	–	–	–	–	23	74	3.217	11	88745	88653	9	98	10.89	88433	88445
F302_0350	35.03	–	–	–	–	–	–	–	23	74	3.217	14	88746	88653	9	98	10.89	88433	88445
F302_0350	35.03	–	–	–	–	–	–	–	23	74	3.217	18	88747	88653	9	98	10.89	88433	88445
F302_0470	47.19	–	–	–	–	–	–	–	18	78	4.333	11	88743	88654	9	98	10.89	88433	88445
F302_0470	47.19	–	–	–	–	–	–	–	18	78	4.333	14	88744	88654	9	98	10.89	88433	88445
F302_0470	47.19	–	–	–	–	–	–	–	18	78	4.333	18	88510	88654	9	98	10.89	88433	88445
F302_0560	56.49	–	–	–	–	–	–	–	16	83	5.188	11	88740	88655	9	98	10.89	88433	88445
F302_0560	56.49	–	–	–	–	–	–	–	16	83	5.188	14	88741	88655	9	98	10.89	88433	88445
F302_0560	56.49	–	–	–	–	–	–	–	16	83	5.188	18	90508	88655	9	98	10.89	88433	88445
F302_0700	70.36	–	–	–	–	–	–	–	13	84	6.462	11	88738	88656	9	98	10.89	88433	88445
F302_0700	70.36	–	–	–	–	–	–	–	13	84	6.462	14	90006	88656	9	98	10.89	88433	88445
F302_0940	93.64	–	–	–	–	–	–	–	10	86	8.600	11	88733	88657	9	98	10.89	88433	88445
F302_0940	93.64	–	–	–	–	–	–	–	10	86	8.600	14	91233	88657	9	98	10.89	88433	88445
F302_1130	112.8	–	–	–	–	–	–	–	11	114	10.36	11	88735	88658	9	98	10.89	88433	88445
F302_1130	112.8	–	–	–	–	–	–	–	11	114	10.36	14	214667	88658	9	98	10.89	88433	88445
F302_1410	140.6	–	–	–	–	–	–	–	12	155	12.92	9	88736	88659	9	98	10.89	88433	88445
F303_1820	182.4	160	15	58	3.867	11	96523	96542	18	78	4.333	18	88510	88654	9	98	10.89	88433	88445
F303_1820	182.4	160	15	58	3.867	14	96524	96542	18	78	4.333	18	88510	88654	9	98	10.89	88433	88445
F303_1850	184.8	140	12	47	3.917	7	88692	88401	18	78	4.333	14	88744	88654	9	98	10.89	88433	88445
F303_1850	184.8	140	12	47	3.917	9	88693	88401	18	78	4.333	14	88744	88654	9	98	10.89	88433	88445
F303_2180	218.4	160	15	58	3.867	14	96524	96542	16	83	5.188	18	90508	88655	9	98	10.89	88433	88445
F303_2180	218.4	160	15	58	3.867	11	96523	96542	16	83	5.188	18	90508	88655	9	98	10.89	88433	88445
F303_2210	221.2	140	12	47	3.917	7	88692	88401	16	83	5.188	14	88741	88655	9	98	10.89	88433	88445
F303_2210	221.2	140	12	47	3.917	9	88693	88401	16	83	5.188	14	88741	88655	9	98	10.89	88433	88445
F303_2720	272.1	160	15	58	3.867	11	96523	96542	13	84	6.462	14	90006	88656	9	98	10.89	88433	88445
F303_2720	272.1	160	15	58	3.867	14	96524	96542	13	84	6.462	14	90006	88656	9	98	10.89	88433	88445

Type	i_{tot}	Øa	Pre stage						Input stage						Output stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
F303_2760	275.6	140	12	47	3.917	7	88692	88401	13	84	6.462	14	90006	88656	9	98	10.89	88433	88445
F303_2760	275.6	140	12	47	3.917	9	88693	88401	13	84	6.462	14	90006	88656	9	98	10.89	88433	88445
F303_3620	362.1	160	15	58	3.867	14	96524	96542	10	86	8.600	14	91233	88657	9	98	10.89	88433	88445
F303_3620	362.1	160	15	58	3.867	11	96523	96542	10	86	8.600	14	91233	88657	9	98	10.89	88433	88445
F303_3670	366.8	140	12	47	3.917	9	88693	88401	10	86	8.600	14	91233	88657	9	98	10.89	88433	88445
F303_3670	366.8	140	12	47	3.917	7	88692	88401	10	86	8.600	14	91233	88657	9	98	10.89	88433	88445
F303_4420	442.0	140	12	47	3.917	7	88692	88401	11	114	10.36	14	214667	88658	9	98	10.89	88433	88445
F303_4420	442.0	140	12	47	3.917	9	88693	88401	11	114	10.36	14	214667	88658	9	98	10.89	88433	88445
F303_5510	550.9	140	12	47	3.917	7	88692	88401	12	155	12.92	9	88736	88659	9	98	10.89	88433	88445
F303_5510	550.9	140	12	47	3.917	9	88693	88401	12	155	12.92	9	88736	88659	9	98	10.89	88433	88445
F402_0047	4.678	–	–	–	–	–	–	–	43	48	1.116	25	98226	98164	21	88	4.190	88436	88447
F402_0058	5.813	–	–	–	–	–	–	–	31	43	1.387	25	99426	91102	21	88	4.190	88436	88447
F402_0072	7.202	–	–	–	–	–	–	–	32	55	1.719	18	88768	88660	21	88	4.190	88436	88447
F402_0072	7.202	–	–	–	–	–	–	–	32	55	1.719	25	88769	88660	21	88	4.190	88436	88447
F402_0090	8.980	–	–	–	–	–	–	–	28	60	2.143	18	88766	88661	21	88	4.190	88436	88447
F402_0090	8.980	–	–	–	–	–	–	–	28	60	2.143	25	88767	88661	21	88	4.190	88436	88447
F402_0110	10.83	–	–	–	–	–	–	–	24	62	2.583	18	88764	88662	21	88	4.190	88436	88447
F402_0110	10.83	–	–	–	–	–	–	–	24	62	2.583	25	88765	88662	21	88	4.190	88436	88447
F402_0135	13.57	–	–	–	–	–	–	–	21	68	3.238	25	89309	88663	21	88	4.190	88436	88447
F402_0135	13.57	–	–	–	–	–	–	–	21	68	3.238	18	88763	88663	21	88	4.190	88436	88447
F402_0185	18.62	–	–	–	–	–	–	–	32	55	1.719	18	88768	88660	12	130	10.83	88435	88448
F402_0185	18.62	–	–	–	–	–	–	–	32	55	1.719	25	88769	88660	12	130	10.83	88435	88448
F402_0230	23.21	–	–	–	–	–	–	–	28	60	2.143	18	88766	88661	12	130	10.83	88435	88448
F402_0230	23.21	–	–	–	–	–	–	–	28	60	2.143	25	88767	88661	12	130	10.83	88435	88448
F402_0280	27.99	–	–	–	–	–	–	–	24	62	2.583	18	88764	88662	12	130	10.83	88435	88448
F402_0280	27.99	–	–	–	–	–	–	–	24	62	2.583	25	88765	88662	12	130	10.83	88435	88448
F402_0350	35.08	–	–	–	–	–	–	–	21	68	3.238	25	89309	88663	12	130	10.83	88435	88448
F402_0350	35.08	–	–	–	–	–	–	–	21	68	3.238	18	88763	88663	12	130	10.83	88435	88448
F402_0470	46.94	–	–	–	–	–	–	–	21	91	4.333	25	89308	88664	12	130	10.83	88435	88448
F402_0470	46.94	–	–	–	–	–	–	–	21	91	4.333	14	88760	88664	12	130	10.83	88435	88448
F402_0470	46.94	–	–	–	–	–	–	–	21	91	4.333	18	88761	88664	12	130	10.83	88435	88448
F402_0560	55.97	–	–	–	–	–	–	–	18	93	5.167	11	88743	88665	12	130	10.83	88435	88448
F402_0560	55.97	–	–	–	–	–	–	–	18	93	5.167	14	88744	88665	12	130	10.83	88435	88448
F402_0560	55.97	–	–	–	–	–	–	–	18	93	5.167	18	88510	88665	12	130	10.83	88435	88448
F402_0700	70.06	–	–	–	–	–	–	–	15	97	6.467	18	90509	88666	12	130	10.83	88435	88448
F402_0700	70.06	–	–	–	–	–	–	–	15	97	6.467	14	88759	88666	12	130	10.83	88435	88448
F402_0930	93.33	–	–	–	–	–	–	–	13	112	8.615	14	88757	88667	12	130	10.83	88435	88448
F402_0930	93.33	–	–	–	–	–	–	–	13	112	8.615	11	88756	88667	12	130	10.83	88435	88448
F402_1120	112.3	–	–	–	–	–	–	–	11	114	10.36	14	90007	88668	12	130	10.83	88435	88448
F402_1400	139.8	–	–	–	–	–	–	–	10	129	12.90	11	88754	88669	12	130	10.83	88435	88448
F402_1400	139.8	–	–	–	–	–	–	–	10	129	12.90	14	214666	88669	12	130	10.83	88435	88448
F403_1820	181.5	160	15	58	3.867	11	96523	96542	21	91	4.333	18	88761	88664	12	130	10.83	88435	88448
F403_1820	181.5	160	15	58	3.867	14	96524	96542	21	91	4.333	18	88761	88664	12	130	10.83	88435	88448
F403_1840	183.9	140	12	47	3.917	7	88692	88401	21	91	4.333	14	88760	88664	12	130	10.83	88435	88448
F403_1840	183.9	140	12	47	3.917	9	88693	88401	21	91	4.333	14	88760	88664	12	130	10.83	88435	88448
F403_2160	216.4	160	15	58	3.867	14	96524	96542	18	93	5.167	18	88510	88665	12	130	10.83	88435	88448
F403_2160	216.4	160	15	58	3.867	11	96523	96542	18	93	5.167	18	88510	88665	12	130	10.83	88435	88448
F403_2190	219.2	140	12	47	3.917	7	88692	88401	18	93	5.167	14	88744	88665	12	130	10.83	88435	88448
F403_2190	219.2	140	12	47	3.917	9	88693	88401	18	93	5.167	14	88744	88665	12	130	10.83	88435	88448
F403_2710	270.9	160	15	58	3.867	11	96523	96542	15	97	6.467	18	90509	88666	12	130	10.83	88435	88448
F403_2710	270.9	160	15	58	3.867	14	96524	96542	15	97	6.467	18	90509	88666	12	130	10.83	88435	88448
F403_2740	274.4	140	12	47	3.917	7	88692	88401	15	97	6.467	14	88759	88666	12	130	10.83	88435	88448
F403_2740	274.4	140	12	47	3.917	9	88693	88401	15	97	6.467	14	88759	88666	12	130	10.83	88435	88448
F403_3610	360.9	160	15	58	3.867	11	96523	96542	13	112	8.615	14	88757	88667	12	130	10.83	88435	88448
F403_3610	360.9	160	15	58	3.867	14	96524	96542	13	112	8.615	14	88757	88667	12	130	10.83	88435	88448
F403_3660	365.6	140	12	47	3.917	7	88692	88401	13	112	8.615	14	88757	88667	12	130	10.83	88435	88448
F403_3660	365.6	140	12	47	3.917	9	88693	88401	13	112	8.615	14	88757	88667	12	130	10.83	88435	88448
F403_4340	434.1	160	15	58	3.867	11	96523	96542	11	114	10.36	14	90007	88668	12	130	10.83	88435	88448
F403_4340	434.1	160	15	58	3.867	14	96524	96542	11	114	10.36	14	90007	88668	12	130	10.83	88435	88448
F403_4400	439.7	140	12	47	3.917	7	88692	88401	11	114	10.36	14	90007	88668	12	130	10.83	88435	88448
F403_4400	439.7	140	12	47	3.917	9	88693	88401	11	114	10.36	14	90007	88668	12	130	10.83	88435	88448
F403_5470	547.4	140	12	47	3.917	9	88693	88401	10	129	12.90	14	214666	88669	12	130	10.83	88435	88448
F403_5470	547.4	140	12	47	3.917	7	88692	88401	10	129	12.90	14	214666	88669	12	130	10.83	88435	88448
F602_0045	4.546	–	–	–	–	–	–	–	35	38	1.086	25	96522	96540	16	67	4.188	88438	88449
F602_0057	5.673	–	–	–	–	–	–	–	31	42	1.355	25	89293	96541	16	67	4.188	88438	88449
F602_0072	7.159	–	–	–	–	–	–	–	31	53	1.710	25	88785	88670	16	67	4.188	88438	88449
F602_0090	8.995	–	–	–	–	–	–	–	27	58	2.148	25	88783	88671	16	67	4.188	88438	88449
F602_0090	8.995	–	–	–	–	–	–	–	27	58	2.148	18	88782	88671	16	67	4.188	88438	88449
F602_0110	10.82	–	–	–	–	–	–	–	24	62	2.583	25	88781	88672	16	67	4.188	88438	88449
F602_0110	10.82	–	–	–	–	–	–	–	24	62	2.583	18	88780	88672	16	67	4.188	88438	88449
F602_0135	13.61	–	–	–	–	–	–	–	20	65	3.250	18	88778	88673	16	67	4.188	88438	88449
F602_0135	13.61	–	–	–	–	–	–	–	20	65	3.250	25	88779	88673	16	67	4.188	88438	88449
F602_0185	18.52	–	–	–	–	–	–	–	31	53	1.710	25	88785	88670	12	130	10.83	88437	88450
F602_0230	23.27	–	–	–	–	–	–	–	27	58	2.148	18	88782	88671	12	130	10.83	88437	88450
F602_0230	23.27	–	–	–	–	–	–	–	27	58	2.148	25	88783	88671	12	130	10.83	88437	88450
F602_0280	27.99	–	–	–	–	–	–	–	24	62	2.583	18	88780	88672	12	130	10.83	88437	88450
F602_0280	27.99	–	–	–	–	–	–	–	24	62	2.583	25	88781	88672	12	130	10.83	88437	88450
F602_0350	35.21	–	–	–	–	–	–	–	20	65	3.250	25	88779	88673	12	130	10.83	88437	88450

Type	i_{tot}	Øa	Pre stage						Input stage						Output stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
F602_0350	35.21	–	–	–	–	–	–	–	20	65	3.250	18	88778	88673	12	130	10.83	88437	88450
F602_0470	46.72	–	–	–	–	–	–	–	16	69	4.313	18	88777	88674	12	130	10.83	88437	88450
F602_0470	46.72	–	–	–	–	–	–	–	16	69	4.313	25	88511	88674	12	130	10.83	88437	88450
F602_0560	55.71	–	–	–	–	–	–	–	14	72	5.143	18	88776	88675	12	130	10.83	88437	88450
F602_0700	69.64	–	–	–	–	–	–	–	14	90	6.429	18	88774	88676	12	130	10.83	88437	88450
F602_0700	69.64	–	–	–	–	–	–	–	14	90	6.429	14	88773	88676	12	130	10.83	88437	88450
F602_0930	93.33	–	–	–	–	–	–	–	13	112	8.615	18	89285	88677	12	130	10.83	88437	88450
F602_0930	93.33	–	–	–	–	–	–	–	13	112	8.615	14	88771	88677	12	130	10.83	88437	88450
F602_1120	112.2	–	–	–	–	–	–	–	14	145	10.36	14	88772	88679	12	130	10.83	88437	88450
F602_1400	139.8	–	–	–	–	–	–	–	10	129	12.90	14	88516	88678	12	130	10.83	88437	88450
F603_1810	180.6	160	15	58	3.867	11	96523	96542	16	69	4.313	18	88777	88674	12	130	10.83	88437	88450
F603_1810	180.6	160	15	58	3.867	14	96524	96542	16	69	4.313	18	88777	88674	12	130	10.83	88437	88450
F603_2150	215.4	160	15	58	3.867	14	96524	96542	14	72	5.143	18	88776	88675	12	130	10.83	88437	88450
F603_2150	215.4	160	15	58	3.867	11	96523	96542	14	72	5.143	18	88776	88675	12	130	10.83	88437	88450
F603_2690	269.3	160	15	58	3.867	11	96523	96542	14	90	6.429	18	88774	88676	12	130	10.83	88437	88450
F603_2690	269.3	160	15	58	3.867	14	96524	96542	14	90	6.429	18	88774	88676	12	130	10.83	88437	88450
F603_3610	360.9	160	15	58	3.867	11	96523	96542	13	112	8.615	18	89285	88677	12	130	10.83	88437	88450
F603_3610	360.9	160	15	58	3.867	14	96524	96542	13	112	8.615	18	89285	88677	12	130	10.83	88437	88450
F603_4340	433.8	160	15	58	3.867	11	96523	96542	14	145	10.36	14	88772	88679	12	130	10.83	88437	88450
F603_4340	433.8	160	15	58	3.867	14	96524	96542	14	145	10.36	14	88772	88679	12	130	10.83	88437	88450
F603_5400	540.4	160	15	58	3.867	14	96524	96542	10	129	12.90	14	88516	88678	12	130	10.83	88437	88450
F603_5400	540.4	160	15	58	3.867	11	96523	96542	10	129	12.90	14	88516	88678	12	130	10.83	88437	88450

8 Gearset list helical bevel gear units KS

Type	i_{tot}	Pre stage								Input stage								Bevel gear stage				
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{pin}	z_{gear}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
KS402_0060	6.000	–	–	–	–	–	–	–	–	54	26	108	3.000	11	212601	212639	209455	17	34	2.000	206343	206342
KS402_0060	6.000	–	–	–	–	–	–	–	–	54	26	108	3.000	9	214091	212639	209455	17	34	2.000	206343	206342
KS402_0060	6.000	–	–	–	–	–	–	–	–	54	26	108	3.000	11	212601	212639	209455	17	34	2.000	206343	206342
KS402_0060	6.000	–	–	–	–	–	–	–	–	54	26	108	3.000	9	214091	212639	209455	17	34	2.000	206343	206342
KS402_0080	8.000	–	–	–	–	–	–	–	–	36	35	108	4.000	9	214092	201199	209455	17	34	2.000	206343	206342
KS402_0080	8.000	–	–	–	–	–	–	–	–	36	35	108	4.000	11	212602	201199	209455	17	34	2.000	206343	206342
KS402_0080	8.000	–	–	–	–	–	–	–	–	36	35	108	4.000	9	214092	201199	209455	17	34	2.000	206343	206342
KS402_0080	8.000	–	–	–	–	–	–	–	–	36	35	108	4.000	11	212602	201199	209455	17	34	2.000	206343	206342
KS402_0100	10.00	–	–	–	–	–	–	–	–	27	40	108	5.000	9	214100	201198	209455	17	34	2.000	206343	206342
KS402_0100	10.00	–	–	–	–	–	–	–	–	27	40	108	5.000	11	212603	201198	209455	17	34	2.000	206343	206342
KS402_0100	10.00	–	–	–	–	–	–	–	–	27	40	108	5.000	11	212603	201198	209455	17	34	2.000	206343	206342
KS402_0100	10.00	–	–	–	–	–	–	–	–	27	40	108	5.000	9	214100	201198	209455	17	34	2.000	206343	206342
KS402_0140	14.00	–	–	–	–	–	–	–	–	18	44	108	7.000	9	214601	201197	209455	17	34	2.000	206343	206342
KS402_0140	14.00	–	–	–	–	–	–	–	–	18	44	108	7.000	9	214601	201197	209455	17	34	2.000	206343	206342
KS402_0200	20.00	–	–	–	–	–	–	–	–	12	47	108	10.00	9	214603	201196	209455	17	34	2.000	206343	206342
KS402_0200	20.00	–	–	–	–	–	–	–	–	12	47	108	10.00	9	214603	201196	209455	17	34	2.000	206343	206342
KS403_0240	24.00	36	35	108	4.000	7	205632	205628	209453	54	26	108	3.000	11	212601	212639	209455	17	34	2.000	206343	206342
KS403_0240	24.00	36	35	108	4.000	9	205633	205628	209453	54	26	108	3.000	11	212601	212639	209455	17	34	2.000	206343	206342
KS403_0240	24.00	36	35	108	4.000	7	205632	205628	209453	54	26	108	3.000	11	212601	212639	209455	17	34	2.000	206343	206342
KS403_0240	24.00	36	35	108	4.000	9	205633	205628	209453	54	26	108	3.000	11	212601	212639	209455	17	34	2.000	206343	206342
KS403_0320	32.00	36	35	108	4.000	7	205632	205628	209453	36	35	108	4.000	11	212602	201199	209455	17	34	2.000	206343	206342
KS403_0320	32.00	36	35	108	4.000	9	205633	205628	209453	36	35	108	4.000	11	212602	201199	209455	17	34	2.000	206343	206342
KS403_0320	32.00	36	35	108	4.000	7	205632	205628	209453	36	35	108	4.000	11	212602	201199	209455	17	34	2.000	206343	206342
KS403_0320	32.00	36	35	108	4.000	9	205633	205628	209453	36	35	108	4.000	11	212602	201199	209455	17	34	2.000	206343	206342
KS403_0400	40.00	36	35	108	4.000	9	205633	205628	209453	27	40	108	5.000	11	212603	201198	209455	17	34	2.000	206343	206342
KS403_0400	40.00	36	35	108	4.000	7	205632	205628	209453	27	40	108	5.000	11	212603	201198	209455	17	34	2.000	206343	206342
KS403_0400	40.00	36	35	108	4.000	7	205632	205628	209453	27	40	108	5.000	11	212603	201198	209455	17	34	2.000	206343	206342
KS403_0400	40.00	36	35	108	4.000	9	205633	205628	209453	27	40	108	5.000	11	212603	201198	209455	17	34	2.000	206343	206342
KS403_0500	50.00	27	40	108	5.000	7	205634	205629	209453	27	40	108	5.000	11	212603	201198	209455	17	34	2.000	206343	206342
KS403_0500	50.00	27	40	108	5.000	9	205635	205629	209453	27	40	108	5.000	11	212603	201198	209455	17	34	2.000	206343	206342
KS403_0500	50.00	27	40	108	5.000	7	205634	205629	209453	27	40	108	5.000	11	212603	201198	209455	17	34	2.000	206343	206342
KS403_0500	50.00	27	40	108	5.000	9	205635	205629	209453	27	40	108	5.000	11	212603	201198	209455	17	34	2.000	206343	206342
KS403_0700	70.00	18	44	108	7.000	7	205636	205630	209453	27	40	108	5.000	11	212603	201198	209455	17	34	2.000	206343	206342
KS403_0700	70.00	18	44	108	7.000	7	205636	205630	209453	27	40	108	5.000	11	212603	201198	209455	17	34	2.000	206343	206342
KS403_0800	80.00	12	47	108	10.00	7	205638	205631	209453	36	35	108	4.000	11	212602	201199	209455	17	34	2.000	206343	206342
KS403_0800	80.00	12	47	108	10.00	7	205638	205631	209453	36	35	108	4.000	11	212602	201199	209455	17	34	2.000	206343	206342
KS403_1000	100.0	12	47	108	10.00	7	205638	205631	209453	27	40	108	5.000	11	212603	201198	209455	17	34	2.000	206343	206342
KS403_1000	100.0	12	47	108	10.00	7	205638	205631	209453	27	40	108	5.000	11	212603	201198	209455	17	34	2.000	206343	206342
KS403_1400	140.0	12	47	108	10.00	7	205638	205631	209453	18	44	108	7.000	9	214601	201197	209455	17	34	2.000	206343	206342
KS403_1400	140.0	12	47	108	10.00	7	205638	205631	209453	18	44	108	7.000	9	214601	201197	209455	17	34	2.000	206343	206342
KS403_2000	200.0	12	47	108	10.00	7	205638	205631	209453	12	47	108	10.00	9	214603	201196	209455	17	34	2.000	206343	206342
KS403_2000	200.0	12	47	108	10.00	7	205638	205631	209453	12	47	108	10.00	9	214603	201196	209455	17	34	2.000	206343	206342
KS502_0060	6.000	–	–	–	–	–	–	–	–	54	26	108	3.000	14	212607	212644	210170	17	34	2.000	206325	206324
KS502_0060	6.000	–	–	–	–	–	–	–	–	54	26	108	3.000	14	212607	212644	210170	17	34	2.000	206325	206324
KS502_0080	8.000	–	–	–	–	–	–	–	–	36	35	108	4.000	11	201165	201204	210170	17	34	2.000	206325	206324
KS502_0080	8.000	–	–	–	–	–	–	–	–	36	35	108	4.000	14	201166	201204	210170	17	34	2.000	206325	206324
KS502_0080	8.000	–	–	–	–	–	–	–	–	36	35	108	4.000	11	201165	201204	210170	17	34	2.000	206325	206324
KS502_0080	8.000	–	–	–	–	–	–	–	–	36	35	108	4.000	14	201166	201204	210170	17	34	2.000	206325	206324
KS502_0100	10.00	–	–	–	–	–	–	–	–	27	40	108	5.000	11	201163	201203	210170	17	34	2.000	206325	206324
KS502_0100	10.00	–	–	–	–	–	–	–	–	27	40	108	5.000	14	201164	201203	210170	17	34	2.000	206325	206324
KS502_0100	10.00	–	–	–	–	–	–	–	–	27	40	108	5.000	11	201163	201203	210170	17	34	2.000	206325	206324
KS502_0100	10.00	–	–	–	–	–	–	–	–	27	40	108	5.000	14	201164	201203	210170	17	34	2.000	206325	206324
KS502_0140	14.00	–	–	–	–	–	–	–	–	18	44	108	7.000	11	201162	201202	210170	17	34	2.000	206325	206324
KS502_0140	14.00	–	–	–	–	–	–	–	–	18	44	108	7.000	14	212610	201202	210170	17	34	2.000	206325	206324
KS502_0140	14.00	–	–	–	–	–	–	–	–	18	44	108	7.000	11	201162	201202	210170	17	34	2.000	206325	206324
KS502_0140	14.00	–	–	–	–	–	–	–	–	18	44	108	7.000	14	212610	201202	210170	17	34	2.000	206325	206324
KS502_0200	20.00	–	–	–	–	–	–	–	–	12	47	108	10.00	11	201160	201201	210170	17	34	2.000	206325	206324
KS502_0200	20.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	212612	201201	210170	17	34	2.000	206325	206324
KS502_0200	20.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	212612	201201	210170	17	34	2.000	206325	206324
KS502_0200	20.00	–	–	–	–	–	–	–	–	12	47	108	10.00	11	201160	201201	210170	17	34	2.000	206325	206324
KS503_0240	24.00	36	35	108	4.000	11	212602	201199	209455	54	26	108	3.000	14	212607	212644	210170	17	34	2.000	206325	206324
KS503_0240	24.00	36	35	108	4.000	9	214092	201199	209455	54	26	108	3.000	14	212607	212644	210170	17	34	2.000	206325	206324
KS503_0240	24.00	36	35	108	4.000	11	212602	201199	209455	54	26	108	3.000	14	212607	212644	210170	17	34	2.000	206325	206324
KS503_0240	24.00	36	35	108	4.000	9	214092	201199	209455	54	26	108	3.000	14	212607	212644	210170	17	34	2.000	206325	206324
KS503_0320	32.00	36	35	108	4.000	9	214092	201199	209455	36	35	108	4.000	14	201166	201204	210170	17	34	2.000	206325	206324
KS503_0320	32.00	36	35	108	4.000	11	212602	201199	209455	36	35	108	4.000	14	201166	201204	210170	17	34	2.000	206325	206324
KS503_0320	32.00	36	35	108	4.000	9	214092	201199	209455	36	35	108	4.000	14	201166	201204	210170	17	34	2.000	206325	206324
KS503_0320	32.00	36	35	108	4.000	11	212602	201199	209455	36	35	108	4.000	14	201166	201204	210170	17	34	2.000	206325	206324
KS503_0400	40.00	36	35	108	4.000	11	212602	201199	209455	27	40	108	5.000	14	201164	201203	210170	17	34	2.000	206325	206324
KS503_0400	40.00	36	35	108	4.000	9	214092	201199	209455	27	40	108	5.000	14	201164	201203	210170	17	34	2.000	206325	206324
KS503_0400	40.00	36	35	108	4.000	11	212602	201199	209455	27	40	108	5.000	14	201164	201203	210170	17	34	2.000	206325	206324
KS503_0400	40.00	36	35	108	4.000	9	214092	201199	209455	27	40	108	5.000	14	201164	201203	210170	17	34	2.000	206325	206324
KS503_0500	50.00	27	40	108	5.000	9	214100	201198	209455	27	40	108	5.000	14	201164	201203	210170	17	34	2.000	206325	206324
KS503_0500	50.00	27	40	108	5.000	11	212603	201198	209455	27	40	108	5.000	14	201164	201203	210170	17	34	2.000	206325	206324
KS503_0500	50.00	27	40	108	5.000	9	214100	201198	209455	27	40	108	5.000	14	201164	201203	210170	17	34	2.000	206325	206324

Type	i_{tot}	Pre stage								Input stage								Bevel gear stage				
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{pin}	z_{gear}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
KS503_0500	50.00	27	40	108	5.000	11	212603	201198	209455	27	40	108	5.000	14	201164	201203	210170	17	34	2.000	206325	206324
KS503_0700	70.00	18	44	108	7.000	9	214601	201197	209455	27	40	108	5.000	14	201164	201203	210170	17	34	2.000	206325	206324
KS503_0700	70.00	18	44	108	7.000	9	214601	201197	209455	27	40	108	5.000	14	201164	201203	210170	17	34	2.000	206325	206324
KS503_0800	80.00	12	47	108	10.00	9	214603	201196	209455	36	35	108	4.000	14	201166	201204	210170	17	34	2.000	206325	206324
KS503_0800	80.00	12	47	108	10.00	9	214603	201196	209455	36	35	108	4.000	14	201166	201204	210170	17	34	2.000	206325	206324
KS503_1000	100.0	12	47	108	10.00	9	214603	201196	209455	27	40	108	5.000	14	201164	201203	210170	17	34	2.000	206325	206324
KS503_1000	100.0	12	47	108	10.00	9	214603	201196	209455	27	40	108	5.000	14	201164	201203	210170	17	34	2.000	206325	206324
KS503_1400	140.0	12	47	108	10.00	9	214603	201196	209455	18	44	108	7.000	14	212610	201202	210170	17	34	2.000	206325	206324
KS503_1400	140.0	12	47	108	10.00	9	214603	201196	209455	18	44	108	7.000	14	212610	201202	210170	17	34	2.000	206325	206324
KS503_2000	200.0	12	47	108	10.00	9	214603	201196	209455	12	47	108	10.00	14	212612	201201	210170	17	34	2.000	206325	206324
KS503_2000	200.0	12	47	108	10.00	9	214603	201196	209455	12	47	108	10.00	14	212612	201201	210170	17	34	2.000	206325	206324
KS702_0060	6.000	–	–	–	–	–	–	–	–	54	26	108	3.000	18	212614	212650	210159	19	38	2.000	206307	206306
KS702_0060	6.000	–	–	–	–	–	–	–	–	54	26	108	3.000	14	201176	212650	210159	19	38	2.000	206307	206306
KS702_0060	6.000	–	–	–	–	–	–	–	–	54	26	108	3.000	18	212614	212650	210159	19	38	2.000	206307	206306
KS702_0060	6.000	–	–	–	–	–	–	–	–	54	26	108	3.000	14	201176	212650	210159	19	38	2.000	206307	206306
KS702_0080	8.000	–	–	–	–	–	–	–	–	36	35	108	4.000	14	201174	201209	210159	19	38	2.000	206307	206306
KS702_0080	8.000	–	–	–	–	–	–	–	–	36	35	108	4.000	18	201175	201209	210159	19	38	2.000	206307	206306
KS702_0080	8.000	–	–	–	–	–	–	–	–	36	35	108	4.000	14	201174	201209	210159	19	38	2.000	206307	206306
KS702_0080	8.000	–	–	–	–	–	–	–	–	36	35	108	4.000	18	201175	201209	210159	19	38	2.000	206307	206306
KS702_0100	10.00	–	–	–	–	–	–	–	–	27	40	108	5.000	18	201173	201208	210159	19	38	2.000	206307	206306
KS702_0100	10.00	–	–	–	–	–	–	–	–	27	40	108	5.000	14	201172	201208	210159	19	38	2.000	206307	206306
KS702_0100	10.00	–	–	–	–	–	–	–	–	27	40	108	5.000	14	201172	201208	210159	19	38	2.000	206307	206306
KS702_0100	10.00	–	–	–	–	–	–	–	–	27	40	108	5.000	18	201173	201208	210159	19	38	2.000	206307	206306
KS702_0140	14.00	–	–	–	–	–	–	–	–	18	44	108	7.000	14	201171	201207	210159	19	38	2.000	206307	206306
KS702_0140	14.00	–	–	–	–	–	–	–	–	18	44	108	7.000	14	201171	201207	210159	19	38	2.000	206307	206306
KS702_0200	20.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	201169	201206	210159	19	38	2.000	206307	206306
KS702_0200	20.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	201169	201206	210159	19	38	2.000	206307	206306
KS703_0240	24.00	36	35	108	4.000	11	201165	201204	210170	54	26	108	3.000	18	212614	212650	210159	19	38	2.000	206307	206306
KS703_0240	24.00	36	35	108	4.000	14	201166	201204	210170	54	26	108	3.000	18	212614	212650	210159	19	38	2.000	206307	206306
KS703_0240	24.00	36	35	108	4.000	11	201165	201204	210170	54	26	108	3.000	18	212614	212650	210159	19	38	2.000	206307	206306
KS703_0240	24.00	36	35	108	4.000	14	201166	201204	210170	54	26	108	3.000	18	212614	212650	210159	19	38	2.000	206307	206306
KS703_0320	32.00	36	35	108	4.000	11	201165	201204	210170	36	35	108	4.000	18	201175	201209	210159	19	38	2.000	206307	206306
KS703_0320	32.00	36	35	108	4.000	14	201166	201204	210170	36	35	108	4.000	18	201175	201209	210159	19	38	2.000	206307	206306
KS703_0320	32.00	36	35	108	4.000	11	201165	201204	210170	36	35	108	4.000	18	201175	201209	210159	19	38	2.000	206307	206306
KS703_0320	32.00	36	35	108	4.000	14	201166	201204	210170	36	35	108	4.000	18	201175	201209	210159	19	38	2.000	206307	206306
KS703_0400	40.00	36	35	108	4.000	14	201166	201204	210170	27	40	108	5.000	18	201173	201208	210159	19	38	2.000	206307	206306
KS703_0400	40.00	36	35	108	4.000	11	201165	201204	210170	27	40	108	5.000	18	201173	201208	210159	19	38	2.000	206307	206306
KS703_0400	40.00	36	35	108	4.000	11	201165	201204	210170	27	40	108	5.000	18	201173	201208	210159	19	38	2.000	206307	206306
KS703_0400	40.00	36	35	108	4.000	14	201166	201204	210170	27	40	108	5.000	18	201173	201208	210159	19	38	2.000	206307	206306
KS703_0500	50.00	27	40	108	5.000	11	201163	201203	210170	27	40	108	5.000	18	201173	201208	210159	19	38	2.000	206307	206306
KS703_0500	50.00	27	40	108	5.000	14	201164	201203	210170	27	40	108	5.000	18	201173	201208	210159	19	38	2.000	206307	206306
KS703_0500	50.00	27	40	108	5.000	11	201163	201203	210170	27	40	108	5.000	18	201173	201208	210159	19	38	2.000	206307	206306
KS703_0500	50.00	27	40	108	5.000	14	201164	201203	210170	27	40	108	5.000	18	201173	201208	210159	19	38	2.000	206307	206306
KS703_0700	70.00	18	44	108	7.000	11	201162	201202	210170	27	40	108	5.000	18	201173	201208	210159	19	38	2.000	206307	206306
KS703_0700	70.00	18	44	108	7.000	14	212610	201202	210170	27	40	108	5.000	18	201173	201208	210159	19	38	2.000	206307	206306
KS703_0700	70.00	18	44	108	7.000	11	201162	201202	210170	27	40	108	5.000	18	201173	201208	210159	19	38	2.000	206307	206306
KS703_0700	70.00	18	44	108	7.000	14	212610	201202	210170	27	40	108	5.000	18	201173	201208	210159	19	38	2.000	206307	206306
KS703_0800	80.00	12	47	108	10.00	11	201160	201201	210170	36	35	108	4.000	18	201175	201209	210159	19	38	2.000	206307	206306
KS703_0800	80.00	12	47	108	10.00	14	212612	201201	210170	36	35	108	4.000	18	201175	201209	210159	19	38	2.000	206307	206306
KS703_0800	80.00	12	47	108	10.00	11	201160	201201	210170	36	35	108	4.000	18	201175	201209	210159	19	38	2.000	206307	206306
KS703_0800	80.00	12	47	108	10.00	14	212612	201201	210170	36	35	108	4.000	18	201175	201209	210159	19	38	2.000	206307	206306
KS703_1000	100.0	12	47	108	10.00	11	201160	201201	210170	27	40	108	5.000	18	201173	201208	210159	19	38	2.000	206307	206306
KS703_1000	100.0	12	47	108	10.00	14	212612	201201	210170	27	40	108	5.000	18	201173	201208	210159	19	38	2.000	206307	206306
KS703_1000	100.0	12	47	108	10.00	14	212612	201201	210170	27	40	108	5.000	18	201173	201208	210159	19	38	2.000	206307	206306
KS703_1000	100.0	12	47	108	10.00	11	201160	201201	210170	27	40	108	5.000	18	201173	201208	210159	19	38	2.000	206307	206306
KS703_1400	140.0	12	47	108	10.00	14	212612	201201	210170	18	44	108	7.000	14	201171	201207	210159	19	38	2.000	206307	206306
KS703_1400	140.0	12	47	108	10.00	11	201160	201201	210170	18	44	108	7.000	14	201171	201207	210159	19	38	2.000	206307	206306
KS703_1400	140.0	12	47	108	10.00	14	212612	201201	210170	18	44	108	7.000	14	201171	201207	210159	19	38	2.000	206307	206306
KS703_1400	140.0	12	47	108	10.00	11	201160	201201	210170	18	44	108	7.000	14	201171	201207	210159	19	38	2.000	206307	206306
KS703_2000	200.0	12	47	108	10.00	14	212612	201201	210170	12	47	108	10.00	14	201169	201206	210159	19	38	2.000	206307	206306
KS703_2000	200.0	12	47	108	10.00	11	201160	201201	210170	12	47	108	10.00	14	201169	201206	210159	19	38	2.000	206307	206306
KS703_2000	200.0	12	47	108	10.00	14	212612	201201	210170	12	47	108	10.00	14	201169	201206	210159	19	38	2.000	206307	206306
KS703_2000	200.0	12	47	108	10.00	11	201160	201201	210170	12	47	108	10.00	14	201169	201206	210159	19	38	2.000	206307	206306

9 Gearset list helical bevel gear units KL

Type	i_{tot}	Bevel gear stage						Output stage				
		z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
KL102_0040	4.000	16	32	2.000	9	208188	208189	31	62	2.000	208193	208194
KL102_0080	8.000	16	32	2.000	9	208188	208189	15	60	4.000	208195	208196
KL102_0080	8.000	10	40	4.000	7	208190	208192	31	62	2.000	208193	208194
KL102_0160	16.00	10	40	4.000	7	208190	208192	15	60	4.000	208195	208196
KL102_0160	16.00	10	40	4.000	9	208191	208192	15	60	4.000	208195	208196
KL102_0320	32.00	10	40	4.000	7	208190	208192	14	112	8.000	208197	208198
KL102_0320	32.00	10	40	4.000	9	208191	208192	14	112	8.000	208197	208198
KL202_0040	4.000	16	32	2.000	14	215066	208327	39	78	2.000	208169	208170
KL202_0040	4.000	16	32	2.000	11	208165	208327	39	78	2.000	208169	208170
KL202_0080	8.000	16	32	2.000	14	215066	208327	19	76	4.000	208171	208172
KL202_0080	8.000	10	40	4.000	9	208178	208328	39	78	2.000	208169	208170
KL202_0080	8.000	16	32	2.000	11	208165	208327	19	76	4.000	208171	208172
KL202_0160	16.00	10	40	4.000	9	208178	208328	19	76	4.000	208171	208172
KL202_0160	16.00	10	40	4.000	11	208167	208328	19	76	4.000	208171	208172
KL202_0160	16.00	10	40	4.000	14	215067	208328	19	76	4.000	208171	208172
KL202_0320	32.00	10	40	4.000	14	215067	208328	13	104	8.000	208173	208174
KL202_0320	32.00	10	40	4.000	9	208178	208328	13	104	8.000	208173	208174
KL202_0320	32.00	10	40	4.000	11	208167	208328	13	104	8.000	208173	208174

10 Gearset list helical bevel gear units K

K1 – K4

			Pre stage						Input stage						Bevel gear stage				
Type	i_{tot}	Øa	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
K102_0040	4.000	–	–	–	–	–	–	–	39	40	1.026	11	95092	95094	10	39	3.900	95030	95029
K102_0040	4.000	–	–	–	–	–	–	–	39	40	1.026	14	95096	95094	10	39	3.900	95030	95029
K102_0040	4.000	–	–	–	–	–	–	–	39	40	1.026	9	95398	95094	10	39	3.900	95030	95029
K102_0056	5.568	–	–	–	–	–	–	–	39	40	1.026	9	95398	95094	7	38	5.429	95032	95031
K102_0056	5.568	–	–	–	–	–	–	–	39	40	1.026	11	95092	95094	7	38	5.429	95032	95031
K102_0056	5.568	–	–	–	–	–	–	–	39	40	1.026	14	95096	95094	7	38	5.429	95032	95031
K102_0060	6.000	–	–	–	–	–	–	–	26	40	1.538	11	95091	95093	10	39	3.900	95030	95029
K102_0060	6.000	–	–	–	–	–	–	–	26	40	1.538	14	95095	95093	10	39	3.900	95030	95029
K102_0066	6.644	–	–	–	–	–	–	–	27	46	1.704	9	88708	88630	10	39	3.900	95030	95029
K102_0066	6.644	–	–	–	–	–	–	–	27	46	1.704	11	88709	88630	10	39	3.900	95030	95029
K102_0066	6.644	–	–	–	–	–	–	–	27	46	1.704	7	88707	88630	10	39	3.900	95030	95029
K102_0066	6.644	–	–	–	–	–	–	–	27	46	1.704	14	91228	88630	10	39	3.900	95030	95029
K102_0083	8.309	–	–	–	–	–	–	–	23	49	2.130	9	88705	88631	10	39	3.900	95030	95029
K102_0083	8.309	–	–	–	–	–	–	–	23	49	2.130	11	88706	88631	10	39	3.900	95030	95029
K102_0083	8.309	–	–	–	–	–	–	–	23	49	2.130	14	91229	88631	10	39	3.900	95030	95029
K102_0092	9.249	–	–	–	–	–	–	–	27	46	1.704	7	88707	88630	7	38	5.429	95032	95031
K102_0092	9.249	–	–	–	–	–	–	–	27	46	1.704	9	88708	88630	7	38	5.429	95032	95031
K102_0092	9.249	–	–	–	–	–	–	–	27	46	1.704	11	88709	88630	7	38	5.429	95032	95031
K102_0092	9.249	–	–	–	–	–	–	–	27	46	1.704	14	91228	88630	7	38	5.429	95032	95031
K102_0100	10.14	–	–	–	–	–	–	–	20	52	2.600	11	88703	88632	10	39	3.900	95030	95029
K102_0100	10.14	–	–	–	–	–	–	–	20	52	2.600	14	91230	88632	10	39	3.900	95030	95029
K102_0100	10.14	–	–	–	–	–	–	–	20	52	2.600	9	88702	88632	10	39	3.900	95030	95029
K102_0100	10.14	–	–	–	–	–	–	–	20	52	2.600	7	88701	88632	10	39	3.900	95030	95029
K102_0115	11.57	–	–	–	–	–	–	–	23	49	2.130	11	88706	88631	7	38	5.429	95032	95031
K102_0115	11.57	–	–	–	–	–	–	–	23	49	2.130	14	91229	88631	7	38	5.429	95032	95031
K102_0115	11.57	–	–	–	–	–	–	–	23	49	2.130	9	88705	88631	7	38	5.429	95032	95031
K102_0125	12.62	–	–	–	–	–	–	–	17	55	3.235	7	88699	88633	10	39	3.900	95030	95029
K102_0125	12.62	–	–	–	–	–	–	–	17	55	3.235	9	88700	88633	10	39	3.900	95030	95029
K102_0125	12.62	–	–	–	–	–	–	–	17	55	3.235	11	88716	88633	10	39	3.900	95030	95029
K102_0125	12.62	–	–	–	–	–	–	–	17	55	3.235	14	91231	88633	10	39	3.900	95030	95029
K102_0140	14.11	–	–	–	–	–	–	–	20	52	2.600	9	88702	88632	7	38	5.429	95032	95031
K102_0140	14.11	–	–	–	–	–	–	–	20	52	2.600	11	88703	88632	7	38	5.429	95032	95031
K102_0140	14.11	–	–	–	–	–	–	–	20	52	2.600	7	88701	88632	7	38	5.429	95032	95031
K102_0140	14.11	–	–	–	–	–	–	–	20	52	2.600	14	91230	88632	7	38	5.429	95032	95031
K102_0165	16.71	–	–	–	–	–	–	–	14	60	4.286	7	88695	88634	10	39	3.900	95030	95029
K102_0165	16.71	–	–	–	–	–	–	–	14	60	4.286	9	88696	88634	10	39	3.900	95030	95029
K102_0165	16.71	–	–	–	–	–	–	–	14	60	4.286	11	88512	88634	10	39	3.900	95030	95029
K102_0165	16.71	–	–	–	–	–	–	–	14	60	4.286	14	214670	88634	10	39	3.900	95030	95029
K102_0175	17.56	–	–	–	–	–	–	–	17	55	3.235	7	88699	88633	7	38	5.429	95032	95031
K102_0175	17.56	–	–	–	–	–	–	–	17	55	3.235	9	88700	88633	7	38	5.429	95032	95031
K102_0175	17.56	–	–	–	–	–	–	–	17	55	3.235	11	88716	88633	7	38	5.429	95032	95031
K102_0175	17.56	–	–	–	–	–	–	–	17	55	3.235	14	91231	88633	7	38	5.429	95032	95031
K102_0200	20.15	–	–	–	–	–	–	–	12	62	5.167	9	88693	88635	10	39	3.900	95030	95029
K102_0200	20.15	–	–	–	–	–	–	–	12	62	5.167	11	91226	88635	10	39	3.900	95030	95029
K102_0200	20.15	–	–	–	–	–	–	–	12	62	5.167	7	88692	88635	10	39	3.900	95030	95029
K102_0200	20.15	–	–	–	–	–	–	–	12	62	5.167	14	214669	88635	10	39	3.900	95030	95029
K102_0230	23.27	–	–	–	–	–	–	–	14	60	4.286	7	88695	88634	7	38	5.429	95032	95031
K102_0230	23.27	–	–	–	–	–	–	–	14	60	4.286	9	88696	88634	7	38	5.429	95032	95031
K102_0230	23.27	–	–	–	–	–	–	–	14	60	4.286	11	88512	88634	7	38	5.429	95032	95031
K102_0230	23.27	–	–	–	–	–	–	–	14	60	4.286	14	214670	88634	7	38	5.429	95032	95031
K102_0250	25.22	–	–	–	–	–	–	–	15	97	6.467	7	88697	88636	10	39	3.900	95030	95029
K102_0250	25.22	–	–	–	–	–	–	–	15	97	6.467	9	88698	88636	10	39	3.900	95030	95029
K102_0250	25.22	–	–	–	–	–	–	–	15	97	6.467	11	91227	88636	10	39	3.900	95030	95029
K102_0250	25.22	–	–	–	–	–	–	–	15	97	6.467	14	214665	88636	10	39	3.900	95030	95029
K102_0280	28.05	–	–	–	–	–	–	–	12	62	5.167	7	88692	88635	7	38	5.429	95032	95031
K102_0280	28.05	–	–	–	–	–	–	–	12	62	5.167	14	214669	88635	7	38	5.429	95032	95031
K102_0280	28.05	–	–	–	–	–	–	–	12	62	5.167	9	88693	88635	7	38	5.429	95032	95031
K102_0280	28.05	–	–	–	–	–	–	–	12	62	5.167	11	91226	88635	7	38	5.429	95032	95031
K102_0340	33.71	–	–	–	–	–	–	–	14	121	8.643	7	88694	88637	10	39	3.900	95030	95029
K102_0340	33.71	–	–	–	–	–	–	–	14	121	8.643	9	91225	88637	10	39	3.900	95030	95029
K102_0350	35.11	–	–	–	–	–	–	–	15	97	6.467	7	88697	88636	7	38	5.429	95032	95031
K102_0350	35.11	–	–	–	–	–	–	–	15	97	6.467	9	88698	88636	7	38	5.429	95032	95031
K102_0350	35.11	–	–	–	–	–	–	–	15	97	6.467	11	91227	88636	7	38	5.429	95032	95031
K102_0350	35.11	–	–	–	–	–	–	–	15	97	6.467	14	214665	88636	7	38	5.429	95032	95031
K102_0400	40.30	–	–	–	–	–	–	–	12	124	10.33	9	215076	88638	10	39	3.900	95030	95029
K102_0400	40.30	–	–	–	–	–	–	–	12	124	10.33	7	88691	88638	10	39	3.900	95030	95029
K102_0470	46.92	–	–	–	–	–	–	–	14	121	8.643	9	91225	88637	7	38	5.429	95032	95031
K102_0470	46.92	–	–	–	–	–	–	–	14	121	8.643	7	88694	88637	7	38	5.429	95032	95031
K102_0500	50.31	–	–	–	–	–	–	–	10	129	12.90	7	88690	88639	10	39	3.900	95030	95029
K102_0500	50.31	–	–	–	–	–	–	–	10	129	12.90	9	215075	88639	10	39	3.900	95030	95029
K102_0560	56.10	–	–	–	–	–	–	–	12	124	10.33	7	88691	88638	7	38	5.429	95032	95031
K102_0560	56.10	–	–	–	–	–	–	–	12	124	10.33	9	215076	88638	7	38	5.429	95032	95031
K102_0700	70.03	–	–	–	–	–	–	–	10	129	12.90	7	88690	88639	7	38	5.429	95032	95031

Type	i_{tot}	Øa	Pre stage						Input stage						Bevel gear stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
K102_0700	70.03	–	–	–	–	–	–	–	10	129	12.90	9	215075	88639	7	38	5.429	95032	95031
K202_0040	4.000	–	–	–	–	–	–	–	43	44	1.023	18	98215	98227	11	43	3.909	90218	90229
K202_0044	4.364	–	–	–	–	–	–	–	43	48	1.116	18	98218	98228	11	43	3.909	90218	90229
K202_0044	4.364	–	–	–	–	–	–	–	43	48	1.116	14	98217	98228	11	43	3.909	90218	90229
K202_0052	5.177	–	–	–	–	–	–	–	37	49	1.324	18	99425	94286	11	43	3.909	90218	90229
K202_0060	6.000	–	–	–	–	–	–	–	43	48	1.116	18	98218	98228	8	43	5.375	90217	90228
K202_0060	6.000	–	–	–	–	–	–	–	43	48	1.116	14	98217	98228	8	43	5.375	90217	90228
K202_0067	6.683	–	–	–	–	–	–	–	31	53	1.710	11	88729	88640	11	43	3.909	90218	90229
K202_0067	6.683	–	–	–	–	–	–	–	31	53	1.710	14	88730	88640	11	43	3.909	90218	90229
K202_0067	6.683	–	–	–	–	–	–	–	31	53	1.710	18	88731	88640	11	43	3.909	90218	90229
K202_0071	7.118	–	–	–	–	–	–	–	37	49	1.324	18	99425	94286	8	43	5.375	90217	90228
K202_0084	8.397	–	–	–	–	–	–	–	27	58	2.148	18	88728	88641	11	43	3.909	90218	90229
K202_0084	8.397	–	–	–	–	–	–	–	27	58	2.148	9	90505	88641	11	43	3.909	90218	90229
K202_0084	8.397	–	–	–	–	–	–	–	27	58	2.148	11	88726	88641	11	43	3.909	90218	90229
K202_0084	8.397	–	–	–	–	–	–	–	27	58	2.148	14	88727	88641	11	43	3.909	90218	90229
K202_0092	9.190	–	–	–	–	–	–	–	31	53	1.710	18	88731	88640	8	43	5.375	90217	90228
K202_0092	9.190	–	–	–	–	–	–	–	31	53	1.710	11	88729	88640	8	43	5.375	90217	90228
K202_0092	9.190	–	–	–	–	–	–	–	31	53	1.710	14	88730	88640	8	43	5.375	90217	90228
K202_0100	10.07	–	–	–	–	–	–	–	26	67	2.577	11	88723	88643	11	43	3.909	90218	90229
K202_0100	10.07	–	–	–	–	–	–	–	26	67	2.577	14	88724	88643	11	43	3.909	90218	90229
K202_0100	10.07	–	–	–	–	–	–	–	26	67	2.577	18	88725	88643	11	43	3.909	90218	90229
K202_0115	11.55	–	–	–	–	–	–	–	27	58	2.148	9	90505	88641	8	43	5.375	90217	90228
K202_0115	11.55	–	–	–	–	–	–	–	27	58	2.148	11	88726	88641	8	43	5.375	90217	90228
K202_0115	11.55	–	–	–	–	–	–	–	27	58	2.148	14	88727	88641	8	43	5.375	90217	90228
K202_0115	11.55	–	–	–	–	–	–	–	27	58	2.148	18	88728	88641	8	43	5.375	90217	90228
K202_0125	12.71	–	–	–	–	–	–	–	20	65	3.250	14	88722	88642	11	43	3.909	90218	90229
K202_0125	12.71	–	–	–	–	–	–	–	20	65	3.250	18	89244	88642	11	43	3.909	90218	90229
K202_0125	12.71	–	–	–	–	–	–	–	20	65	3.250	11	88721	88642	11	43	3.909	90218	90229
K202_0125	12.71	–	–	–	–	–	–	–	20	65	3.250	9	89243	88642	11	43	3.909	90218	90229
K202_0140	13.85	–	–	–	–	–	–	–	26	67	2.577	14	88724	88643	8	43	5.375	90217	90228
K202_0140	13.85	–	–	–	–	–	–	–	26	67	2.577	18	88725	88643	8	43	5.375	90217	90228
K202_0140	13.85	–	–	–	–	–	–	–	26	67	2.577	11	88723	88643	8	43	5.375	90217	90228
K202_0170	16.86	–	–	–	–	–	–	–	16	69	4.313	9	88719	88644	11	43	3.909	90218	90229
K202_0170	16.86	–	–	–	–	–	–	–	16	69	4.313	11	88720	88644	11	43	3.909	90218	90229
K202_0170	16.86	–	–	–	–	–	–	–	16	69	4.313	14	88509	88644	11	43	3.909	90218	90229
K202_0170	16.86	–	–	–	–	–	–	–	16	69	4.313	18	90005	88644	11	43	3.909	90218	90229
K202_0175	17.47	–	–	–	–	–	–	–	20	65	3.250	9	89243	88642	8	43	5.375	90217	90228
K202_0175	17.47	–	–	–	–	–	–	–	20	65	3.250	11	88721	88642	8	43	5.375	90217	90228
K202_0175	17.47	–	–	–	–	–	–	–	20	65	3.250	14	88722	88642	8	43	5.375	90217	90228
K202_0175	17.47	–	–	–	–	–	–	–	20	65	3.250	18	89244	88642	8	43	5.375	90217	90228
K202_0200	20.33	–	–	–	–	–	–	–	15	78	5.200	11	88718	88645	11	43	3.909	90218	90229
K202_0200	20.33	–	–	–	–	–	–	–	15	78	5.200	14	90507	88645	11	43	3.909	90218	90229
K202_0230	23.18	–	–	–	–	–	–	–	16	69	4.313	9	88719	88644	8	43	5.375	90217	90228
K202_0230	23.18	–	–	–	–	–	–	–	16	69	4.313	11	88720	88644	8	43	5.375	90217	90228
K202_0230	23.18	–	–	–	–	–	–	–	16	69	4.313	14	88509	88644	8	43	5.375	90217	90228
K202_0230	23.18	–	–	–	–	–	–	–	16	69	4.313	18	90005	88644	8	43	5.375	90217	90228
K202_0250	25.13	–	–	–	–	–	–	–	14	90	6.429	9	88712	88646	11	43	3.909	90218	90229
K202_0250	25.13	–	–	–	–	–	–	–	14	90	6.429	11	88713	88646	11	43	3.909	90218	90229
K202_0250	25.13	–	–	–	–	–	–	–	14	90	6.429	14	91232	88646	11	43	3.909	90218	90229
K202_0280	27.95	–	–	–	–	–	–	–	15	78	5.200	11	88718	88645	8	43	5.375	90217	90228
K202_0280	27.95	–	–	–	–	–	–	–	15	78	5.200	14	90507	88645	8	43	5.375	90217	90228
K202_0340	33.62	–	–	–	–	–	–	–	15	129	8.600	9	88698	88647	11	43	3.909	90218	90229
K202_0340	33.62	–	–	–	–	–	–	–	15	129	8.600	11	91227	88647	11	43	3.909	90218	90229
K202_0340	33.62	–	–	–	–	–	–	–	15	129	8.600	7	88697	88647	11	43	3.909	90218	90229
K202_0340	33.62	–	–	–	–	–	–	–	15	129	8.600	14	214665	88647	11	43	3.909	90218	90229
K202_0350	34.55	–	–	–	–	–	–	–	14	90	6.429	9	88712	88646	8	43	5.375	90217	90228
K202_0350	34.55	–	–	–	–	–	–	–	14	90	6.429	11	88713	88646	8	43	5.375	90217	90228
K202_0350	34.55	–	–	–	–	–	–	–	14	90	6.429	14	91232	88646	8	43	5.375	90217	90228
K202_0400	40.39	–	–	–	–	–	–	–	15	155	10.33	9	88715	88648	11	43	3.909	90218	90229
K202_0460	46.23	–	–	–	–	–	–	–	15	129	8.600	11	91227	88647	8	43	5.375	90217	90228
K202_0460	46.23	–	–	–	–	–	–	–	15	129	8.600	14	214665	88647	8	43	5.375	90217	90228
K202_0460	46.23	–	–	–	–	–	–	–	15	129	8.600	7	88697	88647	8	43	5.375	90217	90228
K202_0460	46.23	–	–	–	–	–	–	–	15	129	8.600	9	88698	88647	8	43	5.375	90217	90228
K202_0500	50.49	–	–	–	–	–	–	–	12	155	12.92	9	88515	88649	11	43	3.909	90218	90229
K202_0560	55.54	–	–	–	–	–	–	–	15	155	10.33	9	88715	88648	8	43	5.375	90217	90228
K202_0690	69.43	–	–	–	–	–	–	–	12	155	12.92	9	88515	88649	8	43	5.375	90217	90228
K203_0390	39.45	140	12	47	3.917	9	88693	88401	26	67	2.577	14	88724	88643	11	43	3.909	90218	90229
K203_0390	39.45	140	12	47	3.917	7	88692	88401	26	67	2.577	14	88724	88643	11	43	3.909	90218	90229
K203_0450	45.22	140	12	47	3.917	7	88692	88401	27	58	2.148	14	88727	88641	8	43	5.375	90217	90228
K203_0450	45.22	140	12	47	3.917	9	88693	88401	27	58	2.148	14	88727	88641	8	43	5.375	90217	90228
K203_0500	49.76	140	12	47	3.917	7	88692	88401	20	65	3.250	14	88722	88642	11	43	3.909	90218	90229
K203_0500	49.76	140	12	47	3.917	9	88693	88401	20	65	3.250	14	88722	88642	11	43	3.909	90218	90229
K203_0540	54.25	140	12	47	3.917	7	88692	88401	26	67	2.577	14	88724	88643	8	43	5.375	90217	90228
K203_0540	54.25	140	12	47	3.917	9	88693	88401	26	67	2.577	14	88724	88643	8	43	5.375	90217	90228
K203_0660	66.03	140	12	47	3.917	9	88693	88401	16	69	4.313	14	88509	88644	11	43	3.909	90218	90229
K203_0660	66.03	140	12	47	3.917	7	88692	88401	16	69	4.313	14	88509	88644	11	43	3.909	90218	90229
K203_0680	68.42	140	12	47	3.917	7	88692	88401	20	65	3.250	14	88722	88642	8	43	5.375	90217	90228
K203_0680	68.42	140	12	47	3.917	9	88693	88401	20	65	3.250	14	88722	88642	8	43	5.375	90217	90228

Type	i_{tot}	Øa	Pre stage						Input stage						Bevel gear stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
K203_0800	79.62	140	12	47	3.917	7	88692	88401	15	78	5.200	14	90507	88645	11	43	3.909	90218	90229
K203_0800	79.62	140	12	47	3.917	9	88693	88401	15	78	5.200	14	90507	88645	11	43	3.909	90218	90229
K203_0910	90.79	140	12	47	3.917	7	88692	88401	16	69	4.313	14	88509	88644	8	43	5.375	90217	90228
K203_0910	90.79	140	12	47	3.917	9	88693	88401	16	69	4.313	14	88509	88644	8	43	5.375	90217	90228
K203_1090	109.5	140	12	47	3.917	7	88692	88401	15	78	5.200	14	90507	88645	8	43	5.375	90217	90228
K203_1090	109.5	140	12	47	3.917	9	88693	88401	15	78	5.200	14	90507	88645	8	43	5.375	90217	90228
K203_1350	135.3	140	12	47	3.917	7	88692	88401	14	90	6.429	14	91232	88646	8	43	5.375	90217	90228
K203_1350	135.3	140	12	47	3.917	9	88693	88401	14	90	6.429	14	91232	88646	8	43	5.375	90217	90228
K203_1810	181.0	140	12	47	3.917	7	88692	88401	15	129	8.600	14	214665	88647	8	43	5.375	90217	90228
K203_1810	181.0	140	12	47	3.917	9	88693	88401	15	129	8.600	14	214665	88647	8	43	5.375	90217	90228
K203_2180	217.5	140	12	47	3.917	7	88692	88401	15	155	10.33	9	88715	88648	8	43	5.375	90217	90228
K203_2180	217.5	140	12	47	3.917	9	88693	88401	15	155	10.33	9	88715	88648	8	43	5.375	90217	90228
K203_2720	271.9	140	12	47	3.917	7	88692	88401	12	155	12.92	9	88515	88649	8	43	5.375	90217	90228
K203_2720	271.9	140	12	47	3.917	9	88693	88401	12	155	12.92	9	88515	88649	8	43	5.375	90217	90228
K302_0040	4.000	–	–	–	–	–	–	–	43	44	1.023	25	98165	98161	11	43	3.909	90220	90231
K302_0040	4.000	–	–	–	–	–	–	–	43	44	1.023	18	98220	98161	11	43	3.909	90220	90231
K302_0044	4.364	–	–	–	–	–	–	–	43	48	1.116	18	98222	98162	11	43	3.909	90220	90231
K302_0044	4.364	–	–	–	–	–	–	–	43	48	1.116	25	98166	98162	11	43	3.909	90220	90231
K302_0054	5.375	–	–	–	–	–	–	–	32	44	1.375	18	88768	93704	11	43	3.909	90220	90231
K302_0060	6.000	–	–	–	–	–	–	–	43	48	1.116	18	98222	98162	8	43	5.375	90219	90230
K302_0060	6.000	–	–	–	–	–	–	–	43	48	1.116	25	98166	98162	8	43	5.375	90219	90230
K302_0067	6.740	–	–	–	–	–	–	–	29	50	1.724	18	88753	88650	11	43	3.909	90220	90231
K302_0074	7.391	–	–	–	–	–	–	–	32	44	1.375	18	88768	93704	8	43	5.375	90219	90230
K302_0084	8.444	–	–	–	–	–	–	–	25	54	2.160	14	88748	88651	11	43	3.909	90220	90231
K302_0084	8.444	–	–	–	–	–	–	–	25	54	2.160	18	88749	88651	11	43	3.909	90220	90231
K302_0093	9.267	–	–	–	–	–	–	–	29	50	1.724	18	88753	88650	8	43	5.375	90219	90230
K302_0100	10.14	–	–	–	–	–	–	–	27	70	2.593	18	88751	88652	11	43	3.909	90220	90231
K302_0100	10.14	–	–	–	–	–	–	–	27	70	2.593	14	88750	88652	11	43	3.909	90220	90231
K302_0115	11.61	–	–	–	–	–	–	–	25	54	2.160	14	88748	88651	8	43	5.375	90219	90230
K302_0115	11.61	–	–	–	–	–	–	–	25	54	2.160	18	88749	88651	8	43	5.375	90219	90230
K302_0125	12.58	–	–	–	–	–	–	–	23	74	3.217	11	88745	88653	11	43	3.909	90220	90231
K302_0125	12.58	–	–	–	–	–	–	–	23	74	3.217	14	88746	88653	11	43	3.909	90220	90231
K302_0125	12.58	–	–	–	–	–	–	–	23	74	3.217	18	88747	88653	11	43	3.909	90220	90231
K302_0140	13.94	–	–	–	–	–	–	–	27	70	2.593	14	88750	88652	8	43	5.375	90219	90230
K302_0140	13.94	–	–	–	–	–	–	–	27	70	2.593	18	88751	88652	8	43	5.375	90219	90230
K302_0170	16.94	–	–	–	–	–	–	–	18	78	4.333	18	88510	88654	11	43	3.909	90220	90231
K302_0170	16.94	–	–	–	–	–	–	–	18	78	4.333	11	88743	88654	11	43	3.909	90220	90231
K302_0170	16.94	–	–	–	–	–	–	–	18	78	4.333	14	88744	88654	11	43	3.909	90220	90231
K302_0175	17.29	–	–	–	–	–	–	–	23	74	3.217	18	88747	88653	8	43	5.375	90219	90230
K302_0175	17.29	–	–	–	–	–	–	–	23	74	3.217	11	88745	88653	8	43	5.375	90219	90230
K302_0175	17.29	–	–	–	–	–	–	–	23	74	3.217	14	88746	88653	8	43	5.375	90219	90230
K302_0200	20.28	–	–	–	–	–	–	–	16	83	5.188	11	88740	88655	11	43	3.909	90220	90231
K302_0200	20.28	–	–	–	–	–	–	–	16	83	5.188	14	88741	88655	11	43	3.909	90220	90231
K302_0200	20.28	–	–	–	–	–	–	–	16	83	5.188	18	90508	88655	11	43	3.909	90220	90231
K302_0230	23.29	–	–	–	–	–	–	–	18	78	4.333	11	88743	88654	8	43	5.375	90219	90230
K302_0230	23.29	–	–	–	–	–	–	–	18	78	4.333	14	88744	88654	8	43	5.375	90219	90230
K302_0230	23.29	–	–	–	–	–	–	–	18	78	4.333	18	88510	88654	8	43	5.375	90219	90230
K302_0250	25.26	–	–	–	–	–	–	–	13	84	6.462	11	88738	88656	11	43	3.909	90220	90231
K302_0250	25.26	–	–	–	–	–	–	–	13	84	6.462	14	90006	88656	11	43	3.909	90220	90231
K302_0280	27.88	–	–	–	–	–	–	–	16	83	5.188	11	88740	88655	8	43	5.375	90219	90230
K302_0280	27.88	–	–	–	–	–	–	–	16	83	5.188	18	90508	88655	8	43	5.375	90219	90230
K302_0280	27.88	–	–	–	–	–	–	–	16	83	5.188	14	88741	88655	8	43	5.375	90219	90230
K302_0340	33.62	–	–	–	–	–	–	–	10	86	8.600	11	88733	88657	11	43	3.909	90220	90231
K302_0340	33.62	–	–	–	–	–	–	–	10	86	8.600	14	91233	88657	11	43	3.909	90220	90231
K302_0350	34.73	–	–	–	–	–	–	–	13	84	6.462	11	88738	88656	8	43	5.375	90219	90230
K302_0350	34.73	–	–	–	–	–	–	–	13	84	6.462	14	90006	88656	8	43	5.375	90219	90230
K302_0410	40.51	–	–	–	–	–	–	–	11	114	10.36	11	88735	88658	11	43	3.909	90220	90231
K302_0410	40.51	–	–	–	–	–	–	–	11	114	10.36	14	214667	88658	11	43	3.909	90220	90231
K302_0460	46.23	–	–	–	–	–	–	–	10	86	8.600	11	88733	88657	8	43	5.375	90219	90230
K302_0460	46.23	–	–	–	–	–	–	–	10	86	8.600	14	91233	88657	8	43	5.375	90219	90230
K302_0500	50.49	–	–	–	–	–	–	–	12	155	12.92	9	88736	88659	11	43	3.909	90220	90231
K302_0560	55.71	–	–	–	–	–	–	–	11	114	10.36	11	88735	88658	8	43	5.375	90219	90230
K302_0560	55.71	–	–	–	–	–	–	–	11	114	10.36	14	214667	88658	8	43	5.375	90219	90230
K302_0690	69.43	–	–	–	–	–	–	–	12	155	12.92	9	88736	88659	8	43	5.375	90219	90230
K303_0330	32.65	160	15	58	3.867	14	96524	96542	25	54	2.160	18	88749	88651	11	43	3.909	90220	90231
K303_0330	32.65	160	15	58	3.867	11	96523	96542	25	54	2.160	18	88749	88651	11	43	3.909	90220	90231
K303_0360	35.83	160	15	58	3.867	11	96523	96542	29	50	1.724	18	88753	88650	8	43	5.375	90219	90230
K303_0360	35.83	160	15	58	3.867	14	96524	96542	29	50	1.724	18	88753	88650	8	43	5.375	90219	90230
K303_0390	39.19	160	15	58	3.867	11	96523	96542	27	70	2.593	18	88751	88652	11	43	3.909	90220	90231
K303_0390	39.19	160	15	58	3.867	14	96524	96542	27	70	2.593	18	88751	88652	11	43	3.909	90220	90231
K303_0450	44.89	160	15	58	3.867	11	96523	96542	25	54	2.160	18	88749	88651	8	43	5.375	90219	90230
K303_0450	44.89	160	15	58	3.867	14	96524	96542	25	54	2.160	18	88749	88651	8	43	5.375	90219	90230
K303_0490	48.63	160	15	58	3.867	11	96523	96542	23	74	3.217	18	88747	88653	11	43	3.909	90220	90231
K303_0490	48.63	160	15	58	3.867	14	96524	96542	23	74	3.217	18	88747	88653	11	43	3.909	90220	90231
K303_0490	49.26	140	12	47	3.917	7	88692	88401	23	74	3.217	14	88746	88653	11	43	3.909	90220	90231
K303_0490	49.26	140	12	47	3.917	9	88693	88401	23	74	3.217	14	88746	88653	11	43	3.909	90220	90231
K303_0540	53.88	160	15	58	3.867	11	96523	96542	27	70	2.593	18	88751	88652	8	43	5.375	90219	90230
K303_0540	53.88	160	15	58	3.867	14	96524	96542	27	70	2.593	18	88751	88652	8	43	5.375	90219	90230

Type	i_{tot}	Øa	Pre stage						Input stage						Bevel gear stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
K303_0550	54.58	140	12	47	3.917	7	88692	88401	27	70	2.593	14	88750	88652	8	43	5.375	90219	90230
K303_0550	54.58	140	12	47	3.917	9	88693	88401	27	70	2.593	14	88750	88652	8	43	5.375	90219	90230
K303_0650	65.50	160	15	58	3.867	11	96523	96542	18	78	4.333	18	88510	88654	11	43	3.909	90220	90231
K303_0650	65.50	160	15	58	3.867	14	96524	96542	18	78	4.333	18	88510	88654	11	43	3.909	90220	90231
K303_0660	66.35	140	12	47	3.917	7	88692	88401	18	78	4.333	14	88744	88654	11	43	3.909	90220	90231
K303_0660	66.35	140	12	47	3.917	9	88693	88401	18	78	4.333	14	88744	88654	11	43	3.909	90220	90231
K303_0670	66.87	160	15	58	3.867	11	96523	96542	23	74	3.217	18	88747	88653	8	43	5.375	90219	90230
K303_0670	66.87	160	15	58	3.867	14	96524	96542	23	74	3.217	18	88747	88653	8	43	5.375	90219	90230
K303_0680	67.73	140	12	47	3.917	9	88693	88401	23	74	3.217	14	88746	88653	8	43	5.375	90219	90230
K303_0680	67.73	140	12	47	3.917	7	88692	88401	23	74	3.217	14	88746	88653	8	43	5.375	90219	90230
K303_0780	78.41	160	15	58	3.867	11	96523	96542	16	83	5.188	18	90508	88655	11	43	3.909	90220	90231
K303_0780	78.41	160	15	58	3.867	14	96524	96542	16	83	5.188	18	90508	88655	11	43	3.909	90220	90231
K303_0790	79.42	140	12	47	3.917	7	88692	88401	16	83	5.188	14	88741	88655	11	43	3.909	90220	90231
K303_0790	79.42	140	12	47	3.917	9	88693	88401	16	83	5.188	14	88741	88655	11	43	3.909	90220	90231
K303_0900	90.06	160	15	58	3.867	14	96524	96542	18	78	4.333	18	88510	88654	8	43	5.375	90219	90230
K303_0900	90.06	160	15	58	3.867	11	96523	96542	18	78	4.333	18	88510	88654	8	43	5.375	90219	90230
K303_0910	91.23	140	12	47	3.917	9	88693	88401	18	78	4.333	14	88744	88654	8	43	5.375	90219	90230
K303_0910	91.23	140	12	47	3.917	7	88692	88401	18	78	4.333	14	88744	88654	8	43	5.375	90219	90230
K303_1080	107.8	160	15	58	3.867	11	96523	96542	16	83	5.188	18	90508	88655	8	43	5.375	90219	90230
K303_1080	107.8	160	15	58	3.867	14	96524	96542	16	83	5.188	18	90508	88655	8	43	5.375	90219	90230
K303_1090	109.2	140	12	47	3.917	7	88692	88401	16	83	5.188	14	88741	88655	8	43	5.375	90219	90230
K303_1090	109.2	140	12	47	3.917	9	88693	88401	16	83	5.188	14	88741	88655	8	43	5.375	90219	90230
K303_1340	134.3	160	15	58	3.867	11	96523	96542	13	84	6.462	14	90006	88656	8	43	5.375	90219	90230
K303_1340	134.3	160	15	58	3.867	14	96524	96542	13	84	6.462	14	90006	88656	8	43	5.375	90219	90230
K303_1360	136.0	140	12	47	3.917	9	88693	88401	13	84	6.462	14	90006	88656	8	43	5.375	90219	90230
K303_1360	136.0	140	12	47	3.917	7	88692	88401	13	84	6.462	14	90006	88656	8	43	5.375	90219	90230
K303_1790	178.7	160	15	58	3.867	11	96523	96542	10	86	8.600	14	91233	88657	8	43	5.375	90219	90230
K303_1790	178.7	160	15	58	3.867	14	96524	96542	10	86	8.600	14	91233	88657	8	43	5.375	90219	90230
K303_1810	181.0	140	12	47	3.917	7	88692	88401	10	86	8.600	14	91233	88657	8	43	5.375	90219	90230
K303_1810	181.0	140	12	47	3.917	9	88693	88401	10	86	8.600	14	91233	88657	8	43	5.375	90219	90230
K303_2180	218.2	140	12	47	3.917	7	88692	88401	11	114	10.36	14	214667	88658	8	43	5.375	90219	90230
K303_2180	218.2	140	12	47	3.917	9	88693	88401	11	114	10.36	14	214667	88658	8	43	5.375	90219	90230
K303_2720	271.9	140	12	47	3.917	7	88692	88401	12	155	12.92	9	88736	88659	8	43	5.375	90219	90230
K303_2720	271.9	140	12	47	3.917	9	88693	88401	12	155	12.92	9	88736	88659	8	43	5.375	90219	90230
K402_0040	4.000	–	–	–	–	–	–	–	43	44	1.023	25	98224	98163	11	43	3.909	90222	90233
K402_0044	4.364	–	–	–	–	–	–	–	43	48	1.116	25	98226	98164	11	43	3.909	90222	90233
K402_0054	5.422	–	–	–	–	–	–	–	31	43	1.387	25	99426	91102	11	43	3.909	90222	90233
K402_0060	6.000	–	–	–	–	–	–	–	43	48	1.116	25	98226	98164	8	43	5.375	90221	90232
K402_0067	6.719	–	–	–	–	–	–	–	32	55	1.719	18	88768	88660	11	43	3.909	90222	90233
K402_0067	6.719	–	–	–	–	–	–	–	32	55	1.719	25	88769	88660	11	43	3.909	90222	90233
K402_0075	7.456	–	–	–	–	–	–	–	31	43	1.387	25	99426	91102	8	43	5.375	90221	90232
K402_0084	8.377	–	–	–	–	–	–	–	28	60	2.143	18	88766	88661	11	43	3.909	90222	90233
K402_0084	8.377	–	–	–	–	–	–	–	28	60	2.143	25	88767	88661	11	43	3.909	90222	90233
K402_0092	9.238	–	–	–	–	–	–	–	32	55	1.719	18	88768	88660	8	43	5.375	90221	90232
K402_0092	9.238	–	–	–	–	–	–	–	32	55	1.719	25	88769	88660	8	43	5.375	90221	90232
K402_0100	10.10	–	–	–	–	–	–	–	24	62	2.583	18	88764	88662	11	43	3.909	90222	90233
K402_0100	10.10	–	–	–	–	–	–	–	24	62	2.583	25	88765	88662	11	43	3.909	90222	90233
K402_0115	11.52	–	–	–	–	–	–	–	28	60	2.143	25	88767	88661	8	43	5.375	90221	90232
K402_0115	11.52	–	–	–	–	–	–	–	28	60	2.143	18	88766	88661	8	43	5.375	90221	90232
K402_0125	12.66	–	–	–	–	–	–	–	21	68	3.238	18	88763	88663	11	43	3.909	90222	90233
K402_0125	12.66	–	–	–	–	–	–	–	21	68	3.238	25	89309	88663	11	43	3.909	90222	90233
K402_0140	13.89	–	–	–	–	–	–	–	24	62	2.583	18	88764	88662	8	43	5.375	90221	90232
K402_0140	13.89	–	–	–	–	–	–	–	24	62	2.583	25	88765	88662	8	43	5.375	90221	90232
K402_0170	16.94	–	–	–	–	–	–	–	21	91	4.333	14	88760	88664	11	43	3.909	90222	90233
K402_0170	16.94	–	–	–	–	–	–	–	21	91	4.333	18	88761	88664	11	43	3.909	90222	90233
K402_0170	16.94	–	–	–	–	–	–	–	21	91	4.333	25	89308	88664	11	43	3.909	90222	90233
K402_0175	17.41	–	–	–	–	–	–	–	21	68	3.238	18	88763	88663	8	43	5.375	90221	90232
K402_0175	17.41	–	–	–	–	–	–	–	21	68	3.238	25	89309	88663	8	43	5.375	90221	90232
K402_0200	20.20	–	–	–	–	–	–	–	18	93	5.167	11	88743	88665	11	43	3.909	90222	90233
K402_0200	20.20	–	–	–	–	–	–	–	18	93	5.167	14	88744	88665	11	43	3.909	90222	90233
K402_0200	20.20	–	–	–	–	–	–	–	18	93	5.167	18	88510	88665	11	43	3.909	90222	90233
K402_0230	23.29	–	–	–	–	–	–	–	21	91	4.333	25	89308	88664	8	43	5.375	90221	90232
K402_0230	23.29	–	–	–	–	–	–	–	21	91	4.333	14	88760	88664	8	43	5.375	90221	90232
K402_0230	23.29	–	–	–	–	–	–	–	21	91	4.333	18	88761	88664	8	43	5.375	90221	90232
K402_0250	25.28	–	–	–	–	–	–	–	15	97	6.467	14	88759	88666	11	43	3.909	90222	90233
K402_0250	25.28	–	–	–	–	–	–	–	15	97	6.467	18	90509	88666	11	43	3.909	90222	90233
K402_0280	27.77	–	–	–	–	–	–	–	18	93	5.167	11	88743	88665	8	43	5.375	90221	90232
K402_0280	27.77	–	–	–	–	–	–	–	18	93	5.167	14	88744	88665	8	43	5.375	90221	90232
K402_0280	27.77	–	–	–	–	–	–	–	18	93	5.167	18	88510	88665	8	43	5.375	90221	90232
K402_0340	33.68	–	–	–	–	–	–	–	13	112	8.615	11	88756	88667	11	43	3.909	90222	90233
K402_0340	33.68	–	–	–	–	–	–	–	13	112	8.615	14	88757	88667	11	43	3.909	90222	90233
K402_0350	34.76	–	–	–	–	–	–	–	15	97	6.467	14	88759	88666	8	43	5.375	90221	90232
K402_0350	34.76	–	–	–	–	–	–	–	15	97	6.467	18	90509	88666	8	43	5.375	90221	90232
K402_0410	40.51	–	–	–	–	–	–	–	11	114	10.36	14	90007	88668	11	43	3.909	90222	90233
K402_0460	46.31	–	–	–	–	–	–	–	13	112	8.615	11	88756	88667	8	43	5.375	90221	90232
K402_0460	46.31	–	–	–	–	–	–	–	13	112	8.615	14	88757	88667	8	43	5.375	90221	90232
K402_0500	50.43	–	–	–	–	–	–	–	10	129	12.90	11	88754	88669	11	43	3.909	90222	90233
K402_0500	50.43	–	–	–	–	–	–	–	10	129	12.90	14	214666	88669	11	43	3.909	90222	90233

Type	i_{tot}	Øa	Pre stage						Input stage						Bevel gear stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
K402_0560	55.71	–	–	–	–	–	–	–	11	114	10.36	14	90007	88668	8	43	5.375	90221	90232
K402_0690	69.34	–	–	–	–	–	–	–	10	129	12.90	11	88754	88669	8	43	5.375	90221	90232
K402_0690	69.34	–	–	–	–	–	–	–	10	129	12.90	14	214666	88669	8	43	5.375	90221	90232
K403_0320	32.39	160	15	58	3.867	14	96524	96542	28	60	2.143	18	88766	88661	11	43	3.909	90222	90233
K403_0320	32.39	160	15	58	3.867	11	96523	96542	28	60	2.143	18	88766	88661	11	43	3.909	90222	90233
K403_0360	35.72	160	15	58	3.867	14	96524	96542	32	55	1.719	18	88768	88660	8	43	5.375	90221	90232
K403_0360	35.72	160	15	58	3.867	11	96523	96542	32	55	1.719	18	88768	88660	8	43	5.375	90221	90232
K403_0390	39.05	160	15	58	3.867	11	96523	96542	24	62	2.583	18	88764	88662	11	43	3.909	90222	90233
K403_0390	39.05	160	15	58	3.867	14	96524	96542	24	62	2.583	18	88764	88662	11	43	3.909	90222	90233
K403_0450	44.54	160	15	58	3.867	11	96523	96542	28	60	2.143	18	88766	88661	8	43	5.375	90221	90232
K403_0450	44.54	160	15	58	3.867	14	96524	96542	28	60	2.143	18	88766	88661	8	43	5.375	90221	90232
K403_0490	48.94	160	15	58	3.867	11	96523	96542	21	68	3.238	18	88763	88663	11	43	3.909	90222	90233
K403_0490	48.94	160	15	58	3.867	14	96524	96542	21	68	3.238	18	88763	88663	11	43	3.909	90222	90233
K403_0540	53.69	160	15	58	3.867	11	96523	96542	24	62	2.583	18	88764	88662	8	43	5.375	90221	90232
K403_0540	53.69	160	15	58	3.867	14	96524	96542	24	62	2.583	18	88764	88662	8	43	5.375	90221	90232
K403_0650	65.50	160	15	58	3.867	11	96523	96542	21	91	4.333	18	88761	88664	11	43	3.909	90222	90233
K403_0650	65.50	160	15	58	3.867	14	96524	96542	21	91	4.333	18	88761	88664	11	43	3.909	90222	90233
K403_0660	66.35	140	12	47	3.917	7	88692	88401	21	91	4.333	14	88760	88664	11	43	3.909	90222	90233
K403_0660	66.35	140	12	47	3.917	9	88693	88401	21	91	4.333	14	88760	88664	11	43	3.909	90222	90233
K403_0670	67.30	160	15	58	3.867	11	96523	96542	21	68	3.238	18	88763	88663	8	43	5.375	90221	90232
K403_0670	67.30	160	15	58	3.867	14	96524	96542	21	68	3.238	18	88763	88663	8	43	5.375	90221	90232
K403_0780	78.10	160	15	58	3.867	11	96523	96542	18	93	5.167	18	88510	88665	11	43	3.909	90222	90233
K403_0780	78.10	160	15	58	3.867	14	96524	96542	18	93	5.167	18	88510	88665	11	43	3.909	90222	90233
K403_0790	79.11	140	12	47	3.917	7	88692	88401	18	93	5.167	14	88744	88665	11	43	3.909	90222	90233
K403_0790	79.11	140	12	47	3.917	9	88693	88401	18	93	5.167	14	88744	88665	11	43	3.909	90222	90233
K403_0900	90.06	160	15	58	3.867	11	96523	96542	21	91	4.333	18	88761	88664	8	43	5.375	90221	90232
K403_0900	90.06	160	15	58	3.867	14	96524	96542	21	91	4.333	18	88761	88664	8	43	5.375	90221	90232
K403_0910	91.23	140	12	47	3.917	7	88692	88401	21	91	4.333	14	88760	88664	8	43	5.375	90221	90232
K403_0910	91.23	140	12	47	3.917	9	88693	88401	21	91	4.333	14	88760	88664	8	43	5.375	90221	90232
K403_1070	107.4	160	15	58	3.867	11	96523	96542	18	93	5.167	18	88510	88665	8	43	5.375	90221	90232
K403_1070	107.4	160	15	58	3.867	14	96524	96542	18	93	5.167	18	88510	88665	8	43	5.375	90221	90232
K403_1090	108.8	140	12	47	3.917	7	88692	88401	18	93	5.167	14	88744	88665	8	43	5.375	90221	90232
K403_1090	108.8	140	12	47	3.917	9	88693	88401	18	93	5.167	14	88744	88665	8	43	5.375	90221	90232
K403_1340	134.4	160	15	58	3.867	11	96523	96542	15	97	6.467	18	90509	88666	8	43	5.375	90221	90232
K403_1340	134.4	160	15	58	3.867	14	96524	96542	15	97	6.467	18	90509	88666	8	43	5.375	90221	90232
K403_1360	136.1	140	12	47	3.917	9	88693	88401	15	97	6.467	14	88759	88666	8	43	5.375	90221	90232
K403_1360	136.1	140	12	47	3.917	7	88692	88401	15	97	6.467	14	88759	88666	8	43	5.375	90221	90232
K403_1790	179.1	160	15	58	3.867	11	96523	96542	13	112	8.615	14	88757	88667	8	43	5.375	90221	90232
K403_1790	179.1	160	15	58	3.867	14	96524	96542	13	112	8.615	14	88757	88667	8	43	5.375	90221	90232
K403_1810	181.4	140	12	47	3.917	7	88692	88401	13	112	8.615	14	88757	88667	8	43	5.375	90221	90232
K403_1810	181.4	140	12	47	3.917	9	88693	88401	13	112	8.615	14	88757	88667	8	43	5.375	90221	90232
K403_2150	215.4	160	15	58	3.867	11	96523	96542	11	114	10.36	14	90007	88668	8	43	5.375	90221	90232
K403_2150	215.4	160	15	58	3.867	14	96524	96542	11	114	10.36	14	90007	88668	8	43	5.375	90221	90232
K403_2180	218.2	140	12	47	3.917	7	88692	88401	11	114	10.36	14	90007	88668	8	43	5.375	90221	90232
K403_2180	218.2	140	12	47	3.917	9	88693	88401	11	114	10.36	14	90007	88668	8	43	5.375	90221	90232
K403_2720	271.6	140	12	47	3.917	9	88693	88401	10	129	12.90	14	214666	88669	8	43	5.375	90221	90232
K403_2720	271.6	140	12	47	3.917	7	88692	88401	10	129	12.90	14	214666	88669	8	43	5.375	90221	90232

K5 – K10

Type	i_{tot}	Øa	Pre stage						Input stage						Bevel gear stage					Output stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
K513_0073	7.347	–	–	–	–	–	–	–	35	38	1.086	25	96522	96540	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K513_0081	8.134	–	–	–	–	–	–	–	35	38	1.086	25	96522	96540	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K513_0092	9.168	–	–	–	–	–	–	–	31	42	1.355	25	89293	96541	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K513_0100	10.15	–	–	–	–	–	–	–	31	42	1.355	25	89293	96541	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K513_0115	11.57	–	–	–	–	–	–	–	31	53	1.710	25	88785	88670	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K513_0130	12.81	–	–	–	–	–	–	–	31	53	1.710	25	88785	88670	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K513_0145	14.54	–	–	–	–	–	–	–	27	58	2.148	18	88782	88671	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K513_0145	14.54	–	–	–	–	–	–	–	27	58	2.148	25	88783	88671	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K513_0160	16.09	–	–	–	–	–	–	–	27	58	2.148	18	88782	88671	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K513_0160	16.09	–	–	–	–	–	–	–	27	58	2.148	25	88783	88671	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K513_0175	17.48	–	–	–	–	–	–	–	24	62	2.583	25	88781	88672	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K513_0175	17.48	–	–	–	–	–	–	–	24	62	2.583	18	88780	88672	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K513_0195	19.35	–	–	–	–	–	–	–	24	62	2.583	18	88780	88672	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K513_0195	19.35	–	–	–	–	–	–	–	24	62	2.583	25	88781	88672	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K513_0220	21.99	–	–	–	–	–	–	–	20	65	3.250	18	88778	88673	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K513_0220	21.99	–	–	–	–	–	–	–	20	65	3.250	25	88779	88673	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K513_0240	24.35	–	–	–	–	–	–	–	20	65	3.250	18	88778	88673	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K513_0240	24.35	–	–	–	–	–	–	–	20	65	3.250	25	88779	88673	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K513_0290	29.18	–	–	–	–	–	–	–	16	69	4.313	18	88777	88674	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K513_0290	29.18	–	–	–	–	–	–	–	16	69	4.313	25	88511	88674	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K513_0320	32.31	–	–	–	–	–	–	–	16	69	4.313	18	88777	88674	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K513_0320	32.31	–	–	–	–	–	–	–	16	69	4.313	25	88511	88674	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K513_0350	34.80	–	–	–	–	–	–	–	14	72	5.143	18	88776	88675	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K513_0390	38.53	–	–	–	–	–	–	–	14	72	5.143	18	88776	88675	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K513_0440	43.50	–	–	–	–	–	–	–	14	90	6.429	14	88773	88676	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K513_0440	43.50	–	–	–	–	–	–	–	14	90	6.429	18	88774	88676	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K513_0480	48.16	–	–	–	–	–	–	–	14	90	6.429	18	88774	88676	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K513_0480	48.16	–	–	–	–	–	–	–	14	90	6.429	14	88773	88676	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K513_0580	58.30	–	–	–	–	–	–	–	13	112	8.615	14	88771	88677	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K513_0580	58.30	–	–	–	–	–	–	–	13	112	8.615	18	89285	88677	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K513_0650	64.54	–	–	–	–	–	–	–	13	112	8.615	14	88771	88677	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K513_0650	64.54	–	–	–	–	–	–	–	13	112	8.615	18	89285	88677	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K513_0700	70.08	–	–	–	–	–	–	–	14	145	10.36	14	88772	88679	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K513_0780	77.59	–	–	–	–	–	–	–	14	145	10.36	14	88772	88679	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K513_0870	87.29	–	–	–	–	–	–	–	10	129	12.90	14	88516	88678	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K513_0970	96.64	–	–	–	–	–	–	–	10	129	12.90	14	88516	88678	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K514_0850	85.03	160	15	58	3.867	11	96523	96542	20	65	3.250	18	88778	88673	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K514_0850	85.03	160	15	58	3.867	14	96524	96542	20	65	3.250	18	88778	88673	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K514_0940	94.15	160	15	58	3.867	14	96524	96542	20	65	3.250	18	88778	88673	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K514_0940	94.15	160	15	58	3.867	11	96523	96542	20	65	3.250	18	88778	88673	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K514_1130	112.8	160	15	58	3.867	11	96523	96542	16	69	4.313	18	88777	88674	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K514_1130	112.8	160	15	58	3.867	14	96524	96542	16	69	4.313	18	88777	88674	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K514_1250	124.9	160	15	58	3.867	11	96523	96542	16	69	4.313	18	88777	88674	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K514_1250	124.9	160	15	58	3.867	14	96524	96542	16	69	4.313	18	88777	88674	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K514_1350	134.6	160	15	58	3.867	11	96523	96542	14	72	5.143	18	88776	88675	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K514_1350	134.6	160	15	58	3.867	14	96524	96542	14	72	5.143	18	88776	88675	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K514_1490	149.0	160	15	58	3.867	11	96523	96542	14	72	5.143	18	88776	88675	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K514_1490	149.0	160	15	58	3.867	14	96524	96542	14	72	5.143	18	88776	88675	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K514_1680	168.2	160	15	58	3.867	14	96524	96542	14	90	6.429	18	88774	88676	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K514_1680	168.2	160	15	58	3.867	11	96523	96542	14	90	6.429	18	88774	88676	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K514_1860	186.2	160	15	58	3.867	11	96523	96542	14	90	6.429	18	88774	88676	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K514_1860	186.2	160	15	58	3.867	14	96524	96542	14	90	6.429	18	88774	88676	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K514_2250	225.4	160	15	58	3.867	11	96523	96542	13	112	8.615	18	89285	88677	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K514_2250	225.4	160	15	58	3.867	14	96524	96542	13	112	8.615	18	89285	88677	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K514_2500	249.6	160	15	58	3.867	14	96524	96542	13	112	8.615	18	89285	88677	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K514_2500	249.6	160	15	58	3.867	11	96523	96542	13	112	8.615	18	89285	88677	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K514_2710	271.0	160	15	58	3.867	14	96524	96542	14	145	10.36	14	88772	88679	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K514_2710	271.0	160	15	58	3.867	11	96523	96542	14	145	10.36	14	88772	88679	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K514_3000	300.0	160	15	58	3.867	11	96523	96542	14	145	10.36	14	88772	88679	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K514_3000	300.0	160	15	58	3.867	14	96524	96542	14	145	10.36	14	88772	88679	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K514_3380	337.5	160	15	58	3.867	11	96523	96542	10	129	12.90	14	88516	88678	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K514_3380	337.5	160	15	58	3.867	14	96524	96542	10	129	12.90	14	88516	88678	16	28	1.750	95413	95414	15	58	3.867	215971	96071
K514_3740	373.7	160	15	58	3.867	11	96523	96542	10	129	12.90	14	88516	88678	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K514_3740	373.7	160	15	58	3.867	14	96524	96542	10	129	12.90	14	88516	88678	16	31	1.938	96418	96419	15	58	3.867	215971	96071
K613_0073	7.323	–	–	–	–	–	–	–	41	45	1.098	25	92432	92433	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K613_0073	7.323	–	–	–	–	–	–	–	41	45	1.098	30	98167	92433	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K613_0081	8.107	–	–	–	–	–	–	–	41	45	1.098	30	98167	92433	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K613_0081	8.107	–	–	–	–	–	–	–	41	45	1.098	25	92432	92433	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K613_0115	11.41	–	–	–	–	–	–	–	31	53	1.710	25	89293	88680	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K613_0125	12.63	–	–	–	–	–	–	–	31	53	1.710	25	89293	88680	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K613_0145	14.33	–	–	–	–	–	–	–	27	58	2.148	25	89291	88681	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K613_0160	15.87	–	–	–	–	–	–	–	27	58	2.148	25	89291	88681	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K613_0170	17.16	–	–	–	–	–	–	–	28	72	2.571	25	89292	88684	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K613_0170	17.16	–	–	–	–	–	–	–	28	72	2.571	18	88814	88684	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K613_0190	18.99	–	–	–	–	–	–	–	28	72	2.571	25	89292	88684	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K613_0190	18.99	–	–	–	–	–	–	–	28	72	2.571	18	88814	88684	16	31	1.938	96420	90235	16	61	3.813	96570	96556

Type	i_{tot}	Øa	Pre stage						Input stage						Bevel gear stage					Output stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
K613_0220	21.68	–	–	–	–	–	–	–	20	65	3.250	25	89290	88682	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K613_0240	24.01	–	–	–	–	–	–	–	20	65	3.250	25	89290	88682	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K613_0290	28.77	–	–	–	–	–	–	–	16	69	4.313	18	89288	88683	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K613_0290	28.77	–	–	–	–	–	–	–	16	69	4.313	25	89289	88683	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K613_0320	31.86	–	–	–	–	–	–	–	16	69	4.313	18	89288	88683	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K613_0320	31.86	–	–	–	–	–	–	–	16	69	4.313	25	89289	88683	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K613_0350	34.61	–	–	–	–	–	–	–	16	83	5.188	18	88777	88685	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K613_0350	34.61	–	–	–	–	–	–	–	16	83	5.188	25	88511	88685	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K613_0380	38.32	–	–	–	–	–	–	–	16	83	5.188	25	88511	88685	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K613_0380	38.32	–	–	–	–	–	–	–	16	83	5.188	18	88777	88685	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K613_0430	43.11	–	–	–	–	–	–	–	13	84	6.462	18	89286	88686	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K613_0480	47.73	–	–	–	–	–	–	–	13	84	6.462	18	89286	88686	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K613_0580	57.55	–	–	–	–	–	–	–	16	138	8.625	18	89287	88688	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K613_0640	63.71	–	–	–	–	–	–	–	16	138	8.625	18	89287	88688	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K613_0690	68.77	–	–	–	–	–	–	–	13	134	10.31	18	89285	88687	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K613_0690	68.77	–	–	–	–	–	–	–	13	134	10.31	14	88771	88687	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K613_0760	76.14	–	–	–	–	–	–	–	13	134	10.31	18	89285	88687	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K613_0760	76.14	–	–	–	–	–	–	–	13	134	10.31	14	88771	88687	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K613_0860	86.18	–	–	–	–	–	–	–	12	155	12.92	14	89284	88689	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K613_0950	95.41	–	–	–	–	–	–	–	12	155	12.92	14	89284	88689	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K614_1110	111.3	160	15	58	3.867	11	96523	96542	16	69	4.313	18	89288	88683	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K614_1110	111.3	160	15	58	3.867	14	96524	96542	16	69	4.313	18	89288	88683	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K614_1230	123.2	160	15	58	3.867	11	96523	96542	16	69	4.313	18	89288	88683	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K614_1230	123.2	160	15	58	3.867	14	96524	96542	16	69	4.313	18	89288	88683	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K614_1340	133.8	160	15	58	3.867	11	96523	96542	16	83	5.188	18	88777	88685	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K614_1340	133.8	160	15	58	3.867	14	96524	96542	16	83	5.188	18	88777	88685	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K614_1480	148.2	160	15	58	3.867	14	96524	96542	16	83	5.188	18	88777	88685	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K614_1480	148.2	160	15	58	3.867	11	96523	96542	16	83	5.188	18	88777	88685	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K614_1670	166.7	160	15	58	3.867	11	96523	96542	13	84	6.462	18	89286	88686	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K614_1670	166.7	160	15	58	3.867	14	96524	96542	13	84	6.462	18	89286	88686	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K614_1850	184.6	160	15	58	3.867	11	96523	96542	13	84	6.462	18	89286	88686	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K614_1850	184.6	160	15	58	3.867	14	96524	96542	13	84	6.462	18	89286	88686	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K614_2230	222.5	160	15	58	3.867	11	96523	96542	16	138	8.625	18	89287	88688	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K614_2230	222.5	160	15	58	3.867	14	96524	96542	16	138	8.625	18	89287	88688	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K614_2460	246.3	160	15	58	3.867	11	96523	96542	16	138	8.625	18	89287	88688	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K614_2460	246.3	160	15	58	3.867	14	96524	96542	16	138	8.625	18	89287	88688	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K614_2660	265.9	160	15	58	3.867	11	96523	96542	13	134	10.31	18	89285	88687	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K614_2660	265.9	160	15	58	3.867	14	96524	96542	13	134	10.31	18	89285	88687	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K614_2940	294.4	160	15	58	3.867	11	96523	96542	13	134	10.31	18	89285	88687	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K614_2940	294.4	160	15	58	3.867	14	96524	96542	13	134	10.31	18	89285	88687	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K614_3330	333.2	160	15	58	3.867	11	96523	96542	12	155	12.92	14	89284	88689	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K614_3330	333.2	160	15	58	3.867	14	96524	96542	12	155	12.92	14	89284	88689	16	28	1.750	95415	95416	16	61	3.813	96570	96556
K614_3690	368.9	160	15	58	3.867	14	96524	96542	12	155	12.92	14	89284	88689	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K614_3690	368.9	160	15	58	3.867	11	96523	96542	12	155	12.92	14	89284	88689	16	31	1.938	96420	90235	16	61	3.813	96570	96556
K713_0076	7.563	–	–	–	–	–	–	–	41	45	1.098	30	96527	96545	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K713_0084	8.373	–	–	–	–	–	–	–	41	45	1.098	30	96527	96545	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K713_0092	9.188	–	–	–	–	–	–	–	36	48	1.333	30	94313	94314	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K713_0100	10.17	–	–	–	–	–	–	–	36	48	1.333	30	94313	94314	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K713_0120	11.78	–	–	–	–	–	–	–	31	53	1.710	25	89762	89799	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K713_0120	11.78	–	–	–	–	–	–	–	31	53	1.710	30	89763	89799	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K713_0130	13.04	–	–	–	–	–	–	–	31	53	1.710	25	89762	89799	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K713_0130	13.04	–	–	–	–	–	–	–	31	53	1.710	30	89763	89799	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K713_0150	14.80	–	–	–	–	–	–	–	27	58	2.148	30	89761	89798	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K713_0150	14.80	–	–	–	–	–	–	–	27	58	2.148	25	89760	89798	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K713_0165	16.39	–	–	–	–	–	–	–	27	58	2.148	30	89761	89798	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K713_0165	16.39	–	–	–	–	–	–	–	27	58	2.148	25	89760	89798	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K713_0185	18.28	–	–	–	–	–	–	–	23	61	2.652	25	89758	89797	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K713_0185	18.28	–	–	–	–	–	–	–	23	61	2.652	30	89759	89797	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K713_0200	20.23	–	–	–	–	–	–	–	23	61	2.652	25	89758	89797	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K713_0200	20.23	–	–	–	–	–	–	–	23	61	2.652	30	89759	89797	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K713_0230	22.74	–	–	–	–	–	–	–	20	66	3.300	25	89755	89796	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K713_0230	22.74	–	–	–	–	–	–	–	20	66	3.300	30	89756	89796	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K713_0250	25.18	–	–	–	–	–	–	–	20	66	3.300	25	89755	89796	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K713_0250	25.18	–	–	–	–	–	–	–	20	66	3.300	30	89756	89796	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K713_0290	29.29	–	–	–	–	–	–	–	16	68	4.250	30	89753	89795	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K713_0290	29.29	–	–	–	–	–	–	–	16	68	4.250	25	89752	89795	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K713_0320	32.42	–	–	–	–	–	–	–	16	68	4.250	25	89752	89795	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K713_0320	32.42	–	–	–	–	–	–	–	16	68	4.250	30	89753	89795	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K713_0350	35.44	–	–	–	–	–	–	–	14	72	5.143	18	89749	89794	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K713_0350	35.44	–	–	–	–	–	–	–	14	72	5.143	25	89750	89794	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K713_0390	39.23	–	–	–	–	–	–	–	14	72	5.143	18	89749	89794	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K713_0390	39.23	–	–	–	–	–	–	–	14	72	5.143	25	89750	89794	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K713_0450	45.05	–	–	–	–	–	–	–	13	85	6.538	25	89748	89793	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K713_0450	45.05	–	–	–	–	–	–	–	13	85	6.538	18	89747	89793	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K713_0500	49.88	–	–	–	–	–	–	–	13	85	6.538	18	89747	89793	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K713_0500	49.88	–	–	–	–	–	–	–	13	85	6.538	25	89748	89793	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K713_0590	58.57	–	–	–	–	–	–	–	12	102	8.500	18	89746	89792	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K713_0590	58.57	–	–	–	–	–	–	–	12	102	8.500	25	89764	89792	16	28	1.750	95417	95418	16	63	3.938	96571	98171

Type	i_{tot}	Øa	Pre stage						Input stage						Bevel gear stage					Output stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
K713_0650	64.85	–	–	–	–	–	–	–	12	102	8.500	18	89746	89792	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K713_0650	64.85	–	–	–	–	–	–	–	12	102	8.500	25	89764	89792	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K713_0710	71.20	–	–	–	–	–	–	–	12	124	10.33	18	89745	89791	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K713_0790	78.83	–	–	–	–	–	–	–	12	124	10.33	18	89745	89791	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K713_0890	89.00	–	–	–	–	–	–	–	12	155	12.92	18	89744	89790	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K713_0990	98.54	–	–	–	–	–	–	–	12	155	12.92	18	89744	89790	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K714_0890	89.06	200	12	47	3.917	18	96076	96080	20	66	3.300	25	89755	89796	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K714_0990	98.60	200	12	47	3.917	18	96076	96080	20	66	3.300	25	89755	89796	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K714_1150	114.7	200	12	47	3.917	18	96076	96080	16	68	4.250	25	89752	89795	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K714_1270	127.0	200	12	47	3.917	18	96076	96080	16	68	4.250	25	89752	89795	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K714_1370	137.0	160	15	58	3.867	11	96523	96542	14	72	5.143	18	89749	89794	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K714_1370	137.0	160	15	58	3.867	14	96524	96542	14	72	5.143	18	89749	89794	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K714_1390	138.8	200	12	47	3.917	18	96076	96080	14	72	5.143	25	89750	89794	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K714_1520	151.7	160	15	58	3.867	14	96524	96542	14	72	5.143	18	89749	89794	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K714_1520	151.7	160	15	58	3.867	11	96523	96542	14	72	5.143	18	89749	89794	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K714_1540	153.7	200	12	47	3.917	18	96076	96080	14	72	5.143	25	89750	89794	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K714_1740	174.2	160	15	58	3.867	11	96523	96542	13	85	6.538	18	89747	89793	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K714_1740	174.2	160	15	58	3.867	14	96524	96542	13	85	6.538	18	89747	89793	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K714_1760	176.5	200	12	47	3.917	18	96076	96080	13	85	6.538	25	89748	89793	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K714_1930	192.9	160	15	58	3.867	11	96523	96542	13	85	6.538	18	89747	89793	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K714_1930	192.9	160	15	58	3.867	14	96524	96542	13	85	6.538	18	89747	89793	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K714_1950	195.4	200	12	47	3.917	18	96076	96080	13	85	6.538	25	89748	89793	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K714_2260	226.5	160	15	58	3.867	11	96523	96542	12	102	8.500	18	89746	89792	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K714_2260	226.5	160	15	58	3.867	14	96524	96542	12	102	8.500	18	89746	89792	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K714_2290	229.4	200	12	47	3.917	18	96076	96080	12	102	8.500	25	89764	89792	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K714_2510	250.7	160	15	58	3.867	11	96523	96542	12	102	8.500	18	89746	89792	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K714_2510	250.7	160	15	58	3.867	14	96524	96542	12	102	8.500	18	89746	89792	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K714_2540	254.0	200	12	47	3.917	18	96076	96080	12	102	8.500	25	89764	89792	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K714_2750	275.3	160	15	58	3.867	11	96523	96542	12	124	10.33	18	89745	89791	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K714_2750	275.3	160	15	58	3.867	14	96524	96542	12	124	10.33	18	89745	89791	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K714_3050	304.8	160	15	58	3.867	14	96524	96542	12	124	10.33	18	89745	89791	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K714_3050	304.8	160	15	58	3.867	11	96523	96542	12	124	10.33	18	89745	89791	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K714_3440	344.1	160	15	58	3.867	14	96524	96542	12	155	12.92	18	89744	89790	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K714_3440	344.1	160	15	58	3.867	11	96523	96542	12	155	12.92	18	89744	89790	16	28	1.750	95417	95418	16	63	3.938	96571	98171
K714_3810	381.0	160	15	58	3.867	11	96523	96542	12	155	12.92	18	89744	89790	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K714_3810	381.0	160	15	58	3.867	14	96524	96542	12	155	12.92	18	89744	89790	16	31	1.938	96422	90236	16	63	3.938	96571	98171
K813_0074	7.445	–	–	–	–	–	–	–	49	53	1.082	30	96067	96068	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K813_0082	8.243	–	–	–	–	–	–	–	49	53	1.082	30	96067	96068	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K813_0093	9.284	–	–	–	–	–	–	–	43	58	1.349	30	96533	96547	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K813_0105	10.28	–	–	–	–	–	–	–	43	58	1.349	30	96533	96547	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K813_0150	14.84	–	–	–	–	–	–	–	32	69	2.156	30	89770	89841	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K813_0165	16.43	–	–	–	–	–	–	–	32	69	2.156	30	89770	89841	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K813_0175	17.33	–	–	–	–	–	–	–	29	73	2.517	30	89768	89840	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K813_0175	17.33	–	–	–	–	–	–	–	29	73	2.517	25	89767	89840	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K813_0190	19.18	–	–	–	–	–	–	–	29	73	2.517	25	89767	89840	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K813_0190	19.18	–	–	–	–	–	–	–	29	73	2.517	30	89768	89840	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K813_0230	23.04	–	–	–	–	–	–	–	23	77	3.348	25	89758	89839	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K813_0230	23.04	–	–	–	–	–	–	–	23	77	3.348	30	89759	89839	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K813_0260	25.51	–	–	–	–	–	–	–	23	77	3.348	30	89759	89839	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K813_0260	25.51	–	–	–	–	–	–	–	23	77	3.348	25	89758	89839	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K813_0290	29.25	–	–	–	–	–	–	–	20	85	4.250	30	89756	89805	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K813_0290	29.25	–	–	–	–	–	–	–	20	85	4.250	25	89755	89805	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K813_0320	32.39	–	–	–	–	–	–	–	20	85	4.250	25	89755	89805	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K813_0320	32.39	–	–	–	–	–	–	–	20	85	4.250	30	89756	89805	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K813_0360	36.14	–	–	–	–	–	–	–	16	84	5.250	25	89752	89804	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K813_0360	36.14	–	–	–	–	–	–	–	16	84	5.250	30	89753	89804	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K813_0400	40.01	–	–	–	–	–	–	–	16	84	5.250	25	89752	89804	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K813_0400	40.01	–	–	–	–	–	–	–	16	84	5.250	30	89753	89804	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K813_0440	44.25	–	–	–	–	–	–	–	14	90	6.429	18	89749	89803	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K813_0440	44.25	–	–	–	–	–	–	–	14	90	6.429	25	89750	89803	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K813_0490	48.99	–	–	–	–	–	–	–	14	90	6.429	25	89750	89803	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K813_0490	48.99	–	–	–	–	–	–	–	14	90	6.429	18	89749	89803	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K813_0590	59.08	–	–	–	–	–	–	–	12	103	8.583	25	89766	89802	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K813_0650	65.41	–	–	–	–	–	–	–	12	103	8.583	25	89766	89802	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K813_0720	71.70	–	–	–	–	–	–	–	12	125	10.42	18	89746	89801	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K813_0720	71.70	–	–	–	–	–	–	–	12	125	10.42	25	89764	89801	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K813_0790	79.38	–	–	–	–	–	–	–	12	125	10.42	18	89746	89801	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K813_0790	79.38	–	–	–	–	–	–	–	12	125	10.42	25	89764	89801	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K813_0880	87.76	–	–	–	–	–	–	–	12	153	12.75	18	89745	89800	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K813_0970	97.17	–	–	–	–	–	–	–	12	153	12.75	18	89745	89800	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K814_0670	66.83	250	14	54	3.857	25	96077	96081	29	73	2.517	30	89768	89840	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K814_0740	73.99	250	14	54	3.857	25	96077	96081	29	73	2.517	30	89768	89840	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K814_0890	88.89	250	14	54	3.857	25	96077	96081	23	77	3.348	30	89759	89839	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K814_0980	98.41	250	14	54	3.857	25	96077	96081	23	77	3.348	30	89759	89839	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K814_1130	112.8	250	14	54	3.857	25	96077	96081	20	85	4.250	30	89756	89805	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K814_1150	114.6	200	12	47	3.917	18	96076	96080	20	85	4.250	25	89755	89805	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K814_1250	124.9	250	14	54	3.857	25	96077	96081	20	85	4.250	30	89756	89805	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K814_1270	126.9	200	12	47	3.917	18	96076	96080	20	85	4.250	25	89755	89805	16	31	1.938	96424	90237	15	59	3.933	96572	96558

Type	i_{tot}	Øa	Pre stage						Input stage						Bevel gear stage					Output stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
K814_1390	139.4	250	14	54	3.857	25	96077	96081	16	84	5.250	30	89753	89804	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K814_1420	141.5	200	12	47	3.917	18	96076	96080	16	84	5.250	25	89752	89804	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K814_1540	154.3	250	14	54	3.857	25	96077	96081	16	84	5.250	30	89753	89804	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K814_1570	156.7	200	12	47	3.917	18	96076	96080	16	84	5.250	25	89752	89804	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K814_1710	170.7	250	14	54	3.857	25	96077	96081	14	90	6.429	25	89750	89803	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K814_1730	173.3	200	12	47	3.917	18	96076	96080	14	90	6.429	25	89750	89803	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K814_1890	189.0	250	14	54	3.857	25	96077	96081	14	90	6.429	25	89750	89803	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K814_1920	191.9	200	12	47	3.917	18	96076	96080	14	90	6.429	25	89750	89803	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K814_2280	227.9	250	14	54	3.857	25	96077	96081	12	103	8.583	25	89766	89802	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K814_2310	231.4	200	12	47	3.917	18	96076	96080	12	103	8.583	25	89766	89802	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K814_2520	252.3	250	14	54	3.857	25	96077	96081	12	103	8.583	25	89766	89802	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K814_2560	256.2	200	12	47	3.917	18	96076	96080	12	103	8.583	25	89766	89802	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K814_2770	276.6	250	14	54	3.857	25	96077	96081	12	125	10.42	25	89764	89801	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K814_2810	280.8	200	12	47	3.917	18	96076	96080	12	125	10.42	25	89764	89801	16	28	1.750	95419	95420	15	59	3.933	96572	96558
K814_3060	306.2	250	14	54	3.857	25	96077	96081	12	125	10.42	25	89764	89801	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K814_3110	310.9	200	12	47	3.917	18	96076	96080	12	125	10.42	25	89764	89801	16	31	1.938	96424	90237	15	59	3.933	96572	96558
K913_0079	7.934	–	–	–	–	–	–	–	54	58	1.074	40	96535	96548	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K913_0125	12.53	–	–	–	–	–	–	–	46	78	1.696	40	89782	89852	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K913_0125	12.53	–	–	–	–	–	–	–	46	78	1.696	30	89898	89852	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K913_0190	19.06	–	–	–	–	–	–	–	31	80	2.581	30	89778	89850	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K913_0190	19.06	–	–	–	–	–	–	–	31	80	2.581	40	89779	89850	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K913_0240	23.94	–	–	–	–	–	–	–	29	94	3.241	25	89767	89849	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K913_0240	23.94	–	–	–	–	–	–	–	29	94	3.241	30	89768	89849	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K913_0320	32.12	–	–	–	–	–	–	–	23	100	4.348	25	89758	89848	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K913_0320	32.12	–	–	–	–	–	–	–	23	100	4.348	30	89759	89848	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K913_0380	38.04	–	–	–	–	–	–	–	20	103	5.150	25	89774	89847	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K913_0380	38.04	–	–	–	–	–	–	–	20	103	5.150	30	89775	89847	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K913_0490	48.94	–	–	–	–	–	–	–	16	106	6.625	30	89753	89846	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K913_0490	48.94	–	–	–	–	–	–	–	16	106	6.625	25	89752	89846	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K913_0630	63.07	–	–	–	–	–	–	–	13	111	8.538	30	89783	89845	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K913_0630	63.07	–	–	–	–	–	–	–	13	111	8.538	25	89773	89845	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K913_0750	75.00	–	–	–	–	–	–	–	13	132	10.15	25	89748	89844	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K913_0950	95.41	–	–	–	–	–	–	–	12	155	12.92	25	89764	89843	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K914_0920	92.35	250	14	54	3.857	25	96077	96081	29	94	3.241	30	89768	89849	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K914_0940	93.78	200	12	47	3.917	18	96076	96080	29	94	3.241	25	89767	89849	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K914_1240	123.9	250	14	54	3.857	25	96077	96081	23	100	4.348	30	89759	89848	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K914_1260	125.8	200	12	47	3.917	18	96076	96080	23	100	4.348	25	89758	89848	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K914_1470	146.7	250	14	54	3.857	25	96077	96081	20	103	5.150	30	89775	89847	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K914_1490	149.0	200	12	47	3.917	18	96076	96080	20	103	5.150	25	89774	89847	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K914_1890	188.8	250	14	54	3.857	25	96077	96081	16	106	6.625	30	89753	89846	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K914_1920	191.7	200	12	47	3.917	18	96076	96080	16	106	6.625	25	89752	89846	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K914_2430	243.3	250	14	54	3.857	25	96077	96081	13	111	8.538	30	89783	89845	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K914_2470	247.0	200	12	47	3.917	18	96076	96080	13	111	8.538	25	89773	89845	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K914_2940	293.8	200	12	47	3.917	18	96076	96080	13	132	10.15	25	89748	89844	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K914_3740	373.7	200	12	47	3.917	18	96076	96080	12	155	12.92	25	89764	89843	16	31	1.938	96426	90238	16	61	3.813	96573	96559
K1013_0160	15.88	–	–	–	–	–	–	–	46	100	2.174	40	89782	89861	16	31	1.938	95035	95036	13	49	3.769	96072	96073
K1013_0240	23.79	–	–	–	–	–	–	–	31	101	3.258	40	89779	89859	16	31	1.938	95035	95036	13	49	3.769	96072	96073
K1013_0320	31.54	–	–	–	–	–	–	–	22	95	4.318	40	89787	89858	16	31	1.938	95035	95036	13	49	3.769	96072	96073
K1013_0390	38.60	–	–	–	–	–	–	–	21	111	5.286	40	96512	96519	16	31	1.938	95035	95036	13	49	3.769	96072	96073
K1013_0390	38.60	–	–	–	–	–	–	–	21	111	5.286	30	96511	96519	16	31	1.938	95035	95036	13	49	3.769	96072	96073
K1013_0490	48.54	–	–	–	–	–	–	–	17	113	6.647	40	96515	96520	16	31	1.938	95035	95036	13	49	3.769	96072	96073
K1013_0620	61.55	–	–	–	–	–	–	–	14	118	8.429	30	96517	96521	16	31	1.938	95035	95036	13	49	3.769	96072	96073
K1013_0620	61.55	–	–	–	–	–	–	–	14	118	8.429	40	96518	96521	16	31	1.938	95035	95036	13	49	3.769	96072	96073
K1013_0750	75.28	–	–	–	–	–	–	–	13	134	10.31	25	89773	89854	16	31	1.938	95035	95036	13	49	3.769	96072	96073
K1013_0750	75.28	–	–	–	–	–	–	–	13	134	10.31	30	89783	89854	16	31	1.938	95035	95036	13	49	3.769	96072	96073
K1013_0940	94.33	–	–	–	–	–	–	–	12	155	12.92	25	89766	89853	16	31	1.938	95035	95036	13	49	3.769	96072	96073
K1014_0930	93.34	300	13	51	3.923	30	96079	96082	31	101	3.258	40	89779	89859	16	31	1.938	95035	95036	13	49	3.769	96072	96073
K1014_0930	93.34	300	13	51	3.923	25	96078	96082	31	101	3.258	40	89779	89859	16	31	1.938	95035	95036	13	49	3.769	96072	96073
K1014_1240	123.7	300	13	51	3.923	30	96079	96082	22	95	4.318	40	89787	89858	16	31	1.938	95035	95036	13	49	3.769	96072	96073
K1014_1240	123.7	300	13	51	3.923	25	96078	96082	22	95	4.318	40	89787	89858	16	31	1.938	95035	95036	13	49	3.769	96072	96073
K1014_1490	148.9	250	14	54	3.857	25	96077	96081	21	111	5.286	30	96511	96519	16	31	1.938	95035	95036	13	49	3.769	96072	96073
K1014_1510	151.4	300	13	51	3.923	25	96078	96082	21	111	5.286	40	96512	96519	16	31	1.938	95035	95036	13	49	3.769	96072	96073
K1014_1510	151.4	300	13	51	3.923	30	96079	96082	21	111	5.286	40	96512	96519	16	31	1.938	95035	95036	13	49	3.769	96072	96073
K1014_1900	190.4	300	13	51	3.923	25	96078	96082	17	113	6.647	40	96515	96520	16	31	1.938	95035	95036	13	49	3.769	96072	96073
K1014_1900	190.4	300	13	51	3.923	30	96079	96082	17	113	6.647	40	96515	96520	16	31	1.938	95035	95036	13	49	3.769	96072	96073
K1014_2370	237.4	250	14	54	3.857	25	96077	96081	14	118	8.429	30	96517	96521	16	31	1.938	95035	95036	13	49	3.769	96072	96073
K1014_2900	290.4	250	14	54	3.857	25	96077	96081	13	134	10.31	30	89783	89854	16	31	1.938	95035	95036	13	49	3.769	96072	96073

11 Gearset list BAF gear units

Type	i_{tot}	Input stage						Output stage				
		z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
BAF202_0145	14.65	31	53	1.710	14	88730	88640	14	120	8.571	206790	95408
BAF202_0145	14.65	31	53	1.710	18	88731	88640	14	120	8.571	206790	95408
BAF202_0145	14.65	31	53	1.710	11	88729	88640	14	120	8.571	206790	95408
BAF202_0185	18.41	27	58	2.148	9	90505	88641	14	120	8.571	206790	95408
BAF202_0185	18.41	27	58	2.148	11	88726	88641	14	120	8.571	206790	95408
BAF202_0185	18.41	27	58	2.148	14	88727	88641	14	120	8.571	206790	95408
BAF202_0185	18.41	27	58	2.148	18	88728	88641	14	120	8.571	206790	95408
BAF202_0220	22.09	26	67	2.577	14	88724	88643	14	120	8.571	206790	95408
BAF202_0220	22.09	26	67	2.577	18	88725	88643	14	120	8.571	206790	95408
BAF202_0220	22.09	26	67	2.577	11	88723	88643	14	120	8.571	206790	95408
BAF202_0280	27.86	20	65	3.250	11	88721	88642	14	120	8.571	206790	95408
BAF202_0280	27.86	20	65	3.250	14	88722	88642	14	120	8.571	206790	95408
BAF202_0280	27.86	20	65	3.250	18	89244	88642	14	120	8.571	206790	95408
BAF202_0280	27.86	20	65	3.250	9	89243	88642	14	120	8.571	206790	95408
BAF202_0370	36.96	16	69	4.313	9	88719	88644	14	120	8.571	206790	95408
BAF202_0370	36.96	16	69	4.313	11	88720	88644	14	120	8.571	206790	95408
BAF202_0370	36.96	16	69	4.313	14	88509	88644	14	120	8.571	206790	95408
BAF202_0370	36.96	16	69	4.313	18	90005	88644	14	120	8.571	206790	95408
BAF202_0450	44.57	15	78	5.200	14	90507	88645	14	120	8.571	206790	95408
BAF202_0450	44.57	15	78	5.200	11	88718	88645	14	120	8.571	206790	95408
BAF202_0550	55.10	14	90	6.429	9	88712	88646	14	120	8.571	206790	95408
BAF202_0550	55.10	14	90	6.429	11	88713	88646	14	120	8.571	206790	95408
BAF202_0550	55.10	14	90	6.429	14	91232	88646	14	120	8.571	206790	95408
BAF302_0150	14.99	29	50	1.724	18	88753	88650	13	113	8.692	206783	206784
BAF302_0190	18.78	25	54	2.160	14	88748	88651	13	113	8.692	206783	206784
BAF302_0190	18.78	25	54	2.160	18	88749	88651	13	113	8.692	206783	206784
BAF302_0230	22.54	27	70	2.593	14	88750	88652	13	113	8.692	206783	206784
BAF302_0230	22.54	27	70	2.593	18	88751	88652	13	113	8.692	206783	206784
BAF302_0280	27.97	23	74	3.217	11	88745	88653	13	113	8.692	206783	206784
BAF302_0280	27.97	23	74	3.217	14	88746	88653	13	113	8.692	206783	206784
BAF302_0280	27.97	23	74	3.217	18	88747	88653	13	113	8.692	206783	206784
BAF302_0380	37.67	18	78	4.333	11	88743	88654	13	113	8.692	206783	206784
BAF302_0380	37.67	18	78	4.333	14	88744	88654	13	113	8.692	206783	206784
BAF302_0380	37.67	18	78	4.333	18	88510	88654	13	113	8.692	206783	206784
BAF302_0450	45.09	16	83	5.188	11	88740	88655	13	113	8.692	206783	206784
BAF302_0450	45.09	16	83	5.188	14	88741	88655	13	113	8.692	206783	206784
BAF302_0450	45.09	16	83	5.188	18	90508	88655	13	113	8.692	206783	206784
BAF302_0560	56.17	13	84	6.462	14	90006	88656	13	113	8.692	206783	206784
BAF302_0560	56.17	13	84	6.462	11	88738	88656	13	113	8.692	206783	206784

12 Gearset list helical bevel gear units KSS

Type	i_{tot}	Øa	Pre stage						Input stage						Bevel gear stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
KSS102_0040	4.000	–	–	–	–	–	–	–	39	40	1.026	11	95092	95094	10	39	3.900	95030	95029
KSS102_0040	4.000	–	–	–	–	–	–	–	39	40	1.026	14	95096	95094	10	39	3.900	95030	95029
KSS102_0040	4.000	–	–	–	–	–	–	–	39	40	1.026	9	95398	95094	10	39	3.900	95030	95029
KSS102_0056	5.568	–	–	–	–	–	–	–	39	40	1.026	9	95398	95094	7	38	5.429	95032	95031
KSS102_0056	5.568	–	–	–	–	–	–	–	39	40	1.026	11	95092	95094	7	38	5.429	95032	95031
KSS102_0056	5.568	–	–	–	–	–	–	–	39	40	1.026	14	95096	95094	7	38	5.429	95032	95031
KSS102_0060	6.000	–	–	–	–	–	–	–	26	40	1.538	11	95091	95093	10	39	3.900	95030	95029
KSS102_0060	6.000	–	–	–	–	–	–	–	26	40	1.538	14	95095	95093	10	39	3.900	95030	95029
KSS102_0066	6.644	–	–	–	–	–	–	–	27	46	1.704	9	88708	88630	10	39	3.900	95030	95029
KSS102_0066	6.644	–	–	–	–	–	–	–	27	46	1.704	11	88709	88630	10	39	3.900	95030	95029
KSS102_0066	6.644	–	–	–	–	–	–	–	27	46	1.704	7	88707	88630	10	39	3.900	95030	95029
KSS102_0066	6.644	–	–	–	–	–	–	–	27	46	1.704	14	91228	88630	10	39	3.900	95030	95029
KSS102_0083	8.309	–	–	–	–	–	–	–	23	49	2.130	9	88705	88631	10	39	3.900	95030	95029
KSS102_0083	8.309	–	–	–	–	–	–	–	23	49	2.130	11	88706	88631	10	39	3.900	95030	95029
KSS102_0083	8.309	–	–	–	–	–	–	–	23	49	2.130	14	91229	88631	10	39	3.900	95030	95029
KSS102_0092	9.249	–	–	–	–	–	–	–	27	46	1.704	7	88707	88630	7	38	5.429	95032	95031
KSS102_0092	9.249	–	–	–	–	–	–	–	27	46	1.704	9	88708	88630	7	38	5.429	95032	95031
KSS102_0092	9.249	–	–	–	–	–	–	–	27	46	1.704	11	88709	88630	7	38	5.429	95032	95031
KSS102_0092	9.249	–	–	–	–	–	–	–	27	46	1.704	14	91228	88630	7	38	5.429	95032	95031
KSS102_0100	10.14	–	–	–	–	–	–	–	20	52	2.600	7	88701	88632	10	39	3.900	95030	95029
KSS102_0100	10.14	–	–	–	–	–	–	–	20	52	2.600	14	91230	88632	10	39	3.900	95030	95029
KSS102_0100	10.14	–	–	–	–	–	–	–	20	52	2.600	9	88702	88632	10	39	3.900	95030	95029
KSS102_0100	10.14	–	–	–	–	–	–	–	20	52	2.600	11	88703	88632	10	39	3.900	95030	95029
KSS102_0115	11.57	–	–	–	–	–	–	–	23	49	2.130	9	88705	88631	7	38	5.429	95032	95031
KSS102_0115	11.57	–	–	–	–	–	–	–	23	49	2.130	11	88706	88631	7	38	5.429	95032	95031
KSS102_0115	11.57	–	–	–	–	–	–	–	23	49	2.130	14	91229	88631	7	38	5.429	95032	95031
KSS102_0125	12.62	–	–	–	–	–	–	–	17	55	3.235	14	91231	88633	10	39	3.900	95030	95029
KSS102_0125	12.62	–	–	–	–	–	–	–	17	55	3.235	7	88699	88633	10	39	3.900	95030	95029
KSS102_0125	12.62	–	–	–	–	–	–	–	17	55	3.235	9	88700	88633	10	39	3.900	95030	95029
KSS102_0125	12.62	–	–	–	–	–	–	–	17	55	3.235	11	88716	88633	10	39	3.900	95030	95029
KSS102_0140	14.11	–	–	–	–	–	–	–	20	52	2.600	14	91230	88632	7	38	5.429	95032	95031
KSS102_0140	14.11	–	–	–	–	–	–	–	20	52	2.600	11	88703	88632	7	38	5.429	95032	95031
KSS102_0140	14.11	–	–	–	–	–	–	–	20	52	2.600	7	88701	88632	7	38	5.429	95032	95031
KSS102_0140	14.11	–	–	–	–	–	–	–	20	52	2.600	9	88702	88632	7	38	5.429	95032	95031
KSS102_0165	16.71	–	–	–	–	–	–	–	14	60	4.286	7	88695	88634	10	39	3.900	95030	95029
KSS102_0165	16.71	–	–	–	–	–	–	–	14	60	4.286	9	88696	88634	10	39	3.900	95030	95029
KSS102_0165	16.71	–	–	–	–	–	–	–	14	60	4.286	11	88512	88634	10	39	3.900	95030	95029
KSS102_0165	16.71	–	–	–	–	–	–	–	14	60	4.286	14	214670	88634	10	39	3.900	95030	95029
KSS102_0175	17.56	–	–	–	–	–	–	–	17	55	3.235	14	91231	88633	7	38	5.429	95032	95031
KSS102_0175	17.56	–	–	–	–	–	–	–	17	55	3.235	11	88716	88633	7	38	5.429	95032	95031
KSS102_0175	17.56	–	–	–	–	–	–	–	17	55	3.235	9	88700	88633	7	38	5.429	95032	95031
KSS102_0175	17.56	–	–	–	–	–	–	–	17	55	3.235	7	88699	88633	7	38	5.429	95032	95031
KSS102_0200	20.15	–	–	–	–	–	–	–	12	62	5.167	9	88693	88635	10	39	3.900	95030	95029
KSS102_0200	20.15	–	–	–	–	–	–	–	12	62	5.167	11	91226	88635	10	39	3.900	95030	95029
KSS102_0200	20.15	–	–	–	–	–	–	–	12	62	5.167	14	214669	88635	10	39	3.900	95030	95029
KSS102_0200	20.15	–	–	–	–	–	–	–	12	62	5.167	7	88692	88635	10	39	3.900	95030	95029
KSS102_0230	23.27	–	–	–	–	–	–	–	14	60	4.286	7	88695	88634	7	38	5.429	95032	95031
KSS102_0230	23.27	–	–	–	–	–	–	–	14	60	4.286	9	88696	88634	7	38	5.429	95032	95031
KSS102_0230	23.27	–	–	–	–	–	–	–	14	60	4.286	11	88512	88634	7	38	5.429	95032	95031
KSS102_0230	23.27	–	–	–	–	–	–	–	14	60	4.286	14	214670	88634	7	38	5.429	95032	95031
KSS102_0250	25.22	–	–	–	–	–	–	–	15	97	6.467	7	88697	88636	10	39	3.900	95030	95029
KSS102_0250	25.22	–	–	–	–	–	–	–	15	97	6.467	14	214665	88636	10	39	3.900	95030	95029
KSS102_0250	25.22	–	–	–	–	–	–	–	15	97	6.467	9	88698	88636	10	39	3.900	95030	95029
KSS102_0250	25.22	–	–	–	–	–	–	–	15	97	6.467	11	91227	88636	10	39	3.900	95030	95029
KSS102_0280	28.05	–	–	–	–	–	–	–	12	62	5.167	7	88692	88635	7	38	5.429	95032	95031
KSS102_0280	28.05	–	–	–	–	–	–	–	12	62	5.167	9	88693	88635	7	38	5.429	95032	95031
KSS102_0280	28.05	–	–	–	–	–	–	–	12	62	5.167	11	91226	88635	7	38	5.429	95032	95031
KSS102_0280	28.05	–	–	–	–	–	–	–	12	62	5.167	14	214669	88635	7	38	5.429	95032	95031
KSS102_0340	33.71	–	–	–	–	–	–	–	14	121	8.643	7	88694	88637	10	39	3.900	95030	95029
KSS102_0340	33.71	–	–	–	–	–	–	–	14	121	8.643	9	91225	88637	10	39	3.900	95030	95029
KSS102_0350	35.11	–	–	–	–	–	–	–	15	97	6.467	7	88697	88636	7	38	5.429	95032	95031
KSS102_0350	35.11	–	–	–	–	–	–	–	15	97	6.467	14	214665	88636	7	38	5.429	95032	95031
KSS102_0350	35.11	–	–	–	–	–	–	–	15	97	6.467	11	91227	88636	7	38	5.429	95032	95031
KSS102_0350	35.11	–	–	–	–	–	–	–	15	97	6.467	9	88698	88636	7	38	5.429	95032	95031
KSS102_0400	40.30	–	–	–	–	–	–	–	12	124	10.33	7	88691	88638	10	39	3.900	95030	95029
KSS102_0400	40.30	–	–	–	–	–	–	–	12	124	10.33	9	215076	88638	10	39	3.900	95030	95029
KSS102_0470	46.92	–	–	–	–	–	–	–	14	121	8.643	7	88694	88637	7	38	5.429	95032	95031
KSS102_0470	46.92	–	–	–	–	–	–	–	14	121	8.643	9	91225	88637	7	38	5.429	95032	95031
KSS102_0500	50.31	–	–	–	–	–	–	–	10	129	12.90	7	88690	88639	10	39	3.900	95030	95029
KSS102_0500	50.31	–	–	–	–	–	–	–	10	129	12.90	9	215075	88639	10	39	3.900	95030	95029
KSS102_0560	56.10	–	–	–	–	–	–	–	12	124	10.33	9	215076	88638	7	38	5.429	95032	95031
KSS102_0560	56.10	–	–	–	–	–	–	–	12	124	10.33	7	88691	88638	7	38	5.429	95032	95031
KSS102_0700	70.03	–	–	–	–	–	–	–	10	129	12.90	7	88690	88639	7	38	5.429	95032	95031
KSS102_0700	70.03	–	–	–	–	–	–	–	10	129	12.90	9	215075	88639	7	38	5.429	95032	95031
KSS202_0040	4.000	–	–	–	–	–	–	–	43	44	1.023	18	98215	98227	11	43	3.909	90218	201718

Type	i_{tot}	Øa	Pre stage						Input stage						Bevel gear stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
KSS202_0044	4.364	–	–	–	–	–	–	–	43	48	1.116	14	98217	98228	11	43	3.909	90218	201718
KSS202_0044	4.364	–	–	–	–	–	–	–	43	48	1.116	18	98218	98228	11	43	3.909	90218	201718
KSS202_0052	5.177	–	–	–	–	–	–	–	37	49	1.324	18	99425	94286	11	43	3.909	90218	201718
KSS202_0060	6.000	–	–	–	–	–	–	–	43	48	1.116	14	98217	98228	8	43	5.375	90217	201720
KSS202_0060	6.000	–	–	–	–	–	–	–	43	48	1.116	18	98218	98228	8	43	5.375	90217	201720
KSS202_0067	6.683	–	–	–	–	–	–	–	31	53	1.710	18	88731	88640	11	43	3.909	90218	201718
KSS202_0067	6.683	–	–	–	–	–	–	–	31	53	1.710	11	88729	88640	11	43	3.909	90218	201718
KSS202_0067	6.683	–	–	–	–	–	–	–	31	53	1.710	14	88730	88640	11	43	3.909	90218	201718
KSS202_0071	7.118	–	–	–	–	–	–	–	37	49	1.324	18	99425	94286	8	43	5.375	90217	201720
KSS202_0084	8.397	–	–	–	–	–	–	–	27	58	2.148	11	88726	88641	11	43	3.909	90218	201718
KSS202_0084	8.397	–	–	–	–	–	–	–	27	58	2.148	14	88727	88641	11	43	3.909	90218	201718
KSS202_0084	8.397	–	–	–	–	–	–	–	27	58	2.148	18	88728	88641	11	43	3.909	90218	201718
KSS202_0084	8.397	–	–	–	–	–	–	–	27	58	2.148	9	90505	88641	11	43	3.909	90218	201718
KSS202_0092	9.190	–	–	–	–	–	–	–	31	53	1.710	11	88729	88640	8	43	5.375	90217	201720
KSS202_0092	9.190	–	–	–	–	–	–	–	31	53	1.710	14	88730	88640	8	43	5.375	90217	201720
KSS202_0092	9.190	–	–	–	–	–	–	–	31	53	1.710	18	88731	88640	8	43	5.375	90217	201720
KSS202_0100	10.07	–	–	–	–	–	–	–	26	67	2.577	14	88724	88643	11	43	3.909	90218	201718
KSS202_0100	10.07	–	–	–	–	–	–	–	26	67	2.577	18	88725	88643	11	43	3.909	90218	201718
KSS202_0100	10.07	–	–	–	–	–	–	–	26	67	2.577	11	88723	88643	11	43	3.909	90218	201718
KSS202_0115	11.55	–	–	–	–	–	–	–	27	58	2.148	11	88726	88641	8	43	5.375	90217	201720
KSS202_0115	11.55	–	–	–	–	–	–	–	27	58	2.148	14	88727	88641	8	43	5.375	90217	201720
KSS202_0115	11.55	–	–	–	–	–	–	–	27	58	2.148	18	88728	88641	8	43	5.375	90217	201720
KSS202_0115	11.55	–	–	–	–	–	–	–	27	58	2.148	9	90505	88641	8	43	5.375	90217	201720
KSS202_0125	12.71	–	–	–	–	–	–	–	20	65	3.250	9	89243	88642	11	43	3.909	90218	201718
KSS202_0125	12.71	–	–	–	–	–	–	–	20	65	3.250	11	88721	88642	11	43	3.909	90218	201718
KSS202_0125	12.71	–	–	–	–	–	–	–	20	65	3.250	14	88722	88642	11	43	3.909	90218	201718
KSS202_0125	12.71	–	–	–	–	–	–	–	20	65	3.250	18	89244	88642	11	43	3.909	90218	201718
KSS202_0140	13.85	–	–	–	–	–	–	–	26	67	2.577	14	88724	88643	8	43	5.375	90217	201720
KSS202_0140	13.85	–	–	–	–	–	–	–	26	67	2.577	18	88725	88643	8	43	5.375	90217	201720
KSS202_0140	13.85	–	–	–	–	–	–	–	26	67	2.577	11	88723	88643	8	43	5.375	90217	201720
KSS202_0170	16.86	–	–	–	–	–	–	–	16	69	4.313	11	88720	88644	11	43	3.909	90218	201718
KSS202_0170	16.86	–	–	–	–	–	–	–	16	69	4.313	14	88509	88644	11	43	3.909	90218	201718
KSS202_0170	16.86	–	–	–	–	–	–	–	16	69	4.313	18	90005	88644	11	43	3.909	90218	201718
KSS202_0170	16.86	–	–	–	–	–	–	–	16	69	4.313	9	88719	88644	11	43	3.909	90218	201718
KSS202_0175	17.47	–	–	–	–	–	–	–	20	65	3.250	9	89243	88642	8	43	5.375	90217	201720
KSS202_0175	17.47	–	–	–	–	–	–	–	20	65	3.250	11	88721	88642	8	43	5.375	90217	201720
KSS202_0175	17.47	–	–	–	–	–	–	–	20	65	3.250	14	88722	88642	8	43	5.375	90217	201720
KSS202_0175	17.47	–	–	–	–	–	–	–	20	65	3.250	18	89244	88642	8	43	5.375	90217	201720
KSS202_0200	20.33	–	–	–	–	–	–	–	15	78	5.200	14	90507	88645	11	43	3.909	90218	201718
KSS202_0200	20.33	–	–	–	–	–	–	–	15	78	5.200	11	88718	88645	11	43	3.909	90218	201718
KSS202_0230	23.18	–	–	–	–	–	–	–	16	69	4.313	18	90005	88644	8	43	5.375	90217	201720
KSS202_0230	23.18	–	–	–	–	–	–	–	16	69	4.313	14	88509	88644	8	43	5.375	90217	201720
KSS202_0230	23.18	–	–	–	–	–	–	–	16	69	4.313	9	88719	88644	8	43	5.375	90217	201720
KSS202_0230	23.18	–	–	–	–	–	–	–	16	69	4.313	11	88720	88644	8	43	5.375	90217	201720
KSS202_0250	25.13	–	–	–	–	–	–	–	14	90	6.429	9	88712	88646	11	43	3.909	90218	201718
KSS202_0250	25.13	–	–	–	–	–	–	–	14	90	6.429	11	88713	88646	11	43	3.909	90218	201718
KSS202_0250	25.13	–	–	–	–	–	–	–	14	90	6.429	14	91232	88646	11	43	3.909	90218	201718
KSS202_0280	27.95	–	–	–	–	–	–	–	15	78	5.200	14	90507	88645	8	43	5.375	90217	201720
KSS202_0280	27.95	–	–	–	–	–	–	–	15	78	5.200	11	88718	88645	8	43	5.375	90217	201720
KSS202_0340	33.62	–	–	–	–	–	–	–	15	129	8.600	14	214665	88647	11	43	3.909	90218	201718
KSS202_0340	33.62	–	–	–	–	–	–	–	15	129	8.600	11	91227	88647	11	43	3.909	90218	201718
KSS202_0340	33.62	–	–	–	–	–	–	–	15	129	8.600	7	88697	88647	11	43	3.909	90218	201718
KSS202_0340	33.62	–	–	–	–	–	–	–	15	129	8.600	9	88698	88647	11	43	3.909	90218	201718
KSS202_0350	34.55	–	–	–	–	–	–	–	14	90	6.429	9	88712	88646	8	43	5.375	90217	201720
KSS202_0350	34.55	–	–	–	–	–	–	–	14	90	6.429	11	88713	88646	8	43	5.375	90217	201720
KSS202_0350	34.55	–	–	–	–	–	–	–	14	90	6.429	14	91232	88646	8	43	5.375	90217	201720
KSS202_0400	40.39	–	–	–	–	–	–	–	15	155	10.33	9	88715	88648	11	43	3.909	90218	201718
KSS202_0460	46.23	–	–	–	–	–	–	–	15	129	8.600	7	88697	88647	8	43	5.375	90217	201720
KSS202_0460	46.23	–	–	–	–	–	–	–	15	129	8.600	14	214665	88647	8	43	5.375	90217	201720
KSS202_0460	46.23	–	–	–	–	–	–	–	15	129	8.600	11	91227	88647	8	43	5.375	90217	201720
KSS202_0460	46.23	–	–	–	–	–	–	–	15	129	8.600	9	88698	88647	8	43	5.375	90217	201720
KSS202_0500	50.49	–	–	–	–	–	–	–	12	155	12.92	9	88515	88649	11	43	3.909	90218	201718
KSS202_0560	55.54	–	–	–	–	–	–	–	15	155	10.33	9	88715	88648	8	43	5.375	90217	201720
KSS202_0690	69.43	–	–	–	–	–	–	–	12	155	12.92	9	88515	88649	8	43	5.375	90217	201720
KSS203_0390	39.45	140	12	47	3.917	9	88693	88401	26	67	2.577	14	88724	88643	11	43	3.909	90218	201718
KSS203_0390	39.45	140	12	47	3.917	7	88692	88401	26	67	2.577	14	88724	88643	11	43	3.909	90218	201718
KSS203_0450	45.22	140	12	47	3.917	7	88692	88401	27	58	2.148	14	88727	88641	8	43	5.375	90217	201720
KSS203_0450	45.22	140	12	47	3.917	9	88693	88401	27	58	2.148	14	88727	88641	8	43	5.375	90217	201720
KSS203_0500	49.76	140	12	47	3.917	7	88692	88401	20	65	3.250	14	88722	88642	11	43	3.909	90218	201718
KSS203_0500	49.76	140	12	47	3.917	9	88693	88401	20	65	3.250	14	88722	88642	11	43	3.909	90218	201718
KSS203_0540	54.25	140	12	47	3.917	7	88692	88401	26	67	2.577	14	88724	88643	8	43	5.375	90217	201720
KSS203_0540	54.25	140	12	47	3.917	9	88693	88401	26	67	2.577	14	88724	88643	8	43	5.375	90217	201720
KSS203_0660	66.03	140	12	47	3.917	9	88693	88401	16	69	4.313	14	88509	88644	11	43	3.909	90218	201718
KSS203_0660	66.03	140	12	47	3.917	7	88692	88401	16	69	4.313	14	88509	88644	11	43	3.909	90218	201718
KSS203_0680	68.42	140	12	47	3.917	7	88692	88401	20	65	3.250	14	88722	88642	8	43	5.375	90217	201720
KSS203_0680	68.42	140	12	47	3.917	9	88693	88401	20	65	3.250	14	88722	88642	8	43	5.375	90217	201720
KSS203_0800	79.62	140	12	47	3.917	7	88692	88401	15	78	5.200	14	90507	88645	11	43	3.909	90218	201718
KSS203_0800	79.62	140	12	47	3.917	9	88693	88401	15	78	5.200	14	90507	88645	11	43	3.909	90218	201718

Type	i_{tot}	Øa	Pre stage						Input stage						Bevel gear stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
KSS203_0910	90.79	140	12	47	3.917	7	88692	88401	16	69	4.313	14	88509	88644	8	43	5.375	90217	201720
KSS203_0910	90.79	140	12	47	3.917	9	88693	88401	16	69	4.313	14	88509	88644	8	43	5.375	90217	201720
KSS203_1090	109.5	140	12	47	3.917	7	88692	88401	15	78	5.200	14	90507	88645	8	43	5.375	90217	201720
KSS203_1090	109.5	140	12	47	3.917	9	88693	88401	15	78	5.200	14	90507	88645	8	43	5.375	90217	201720
KSS203_1350	135.3	140	12	47	3.917	9	88693	88401	14	90	6.429	14	91232	88646	8	43	5.375	90217	201720
KSS203_1350	135.3	140	12	47	3.917	7	88692	88401	14	90	6.429	14	91232	88646	8	43	5.375	90217	201720
KSS203_1810	181.0	140	12	47	3.917	7	88692	88401	15	129	8.600	14	214665	88647	8	43	5.375	90217	201720
KSS203_1810	181.0	140	12	47	3.917	9	88693	88401	15	129	8.600	14	214665	88647	8	43	5.375	90217	201720
KSS203_2180	217.5	140	12	47	3.917	7	88692	88401	15	155	10.33	9	88715	88648	8	43	5.375	90217	201720
KSS203_2180	217.5	140	12	47	3.917	9	88693	88401	15	155	10.33	9	88715	88648	8	43	5.375	90217	201720
KSS203_2720	271.9	140	12	47	3.917	7	88692	88401	12	155	12.92	9	88515	88649	8	43	5.375	90217	201720
KSS203_2720	271.9	140	12	47	3.917	9	88693	88401	12	155	12.92	9	88515	88649	8	43	5.375	90217	201720
KSS302_0040	4.000	–	–	–	–	–	–	–	43	44	1.023	25	98165	98161	11	43	3.909	90220	90231
KSS302_0040	4.000	–	–	–	–	–	–	–	43	44	1.023	18	98220	98161	11	43	3.909	90220	90231
KSS302_0044	4.364	–	–	–	–	–	–	–	43	48	1.116	18	98222	98162	11	43	3.909	90220	90231
KSS302_0044	4.364	–	–	–	–	–	–	–	43	48	1.116	25	98166	98162	11	43	3.909	90220	90231
KSS302_0054	5.375	–	–	–	–	–	–	–	32	44	1.375	18	88768	93704	11	43	3.909	90220	90231
KSS302_0060	6.000	–	–	–	–	–	–	–	43	48	1.116	18	98222	98162	8	43	5.375	90219	90230
KSS302_0060	6.000	–	–	–	–	–	–	–	43	48	1.116	25	98166	98162	8	43	5.375	90219	90230
KSS302_0067	6.740	–	–	–	–	–	–	–	29	50	1.724	18	88753	88650	11	43	3.909	90220	90231
KSS302_0074	7.391	–	–	–	–	–	–	–	32	44	1.375	18	88768	93704	8	43	5.375	90219	90230
KSS302_0084	8.444	–	–	–	–	–	–	–	25	54	2.160	18	88749	88651	11	43	3.909	90220	90231
KSS302_0084	8.444	–	–	–	–	–	–	–	25	54	2.160	14	88748	88651	11	43	3.909	90220	90231
KSS302_0093	9.267	–	–	–	–	–	–	–	29	50	1.724	18	88753	88650	8	43	5.375	90219	90230
KSS302_0100	10.14	–	–	–	–	–	–	–	27	70	2.593	18	88751	88652	11	43	3.909	90220	90231
KSS302_0100	10.14	–	–	–	–	–	–	–	27	70	2.593	14	88750	88652	11	43	3.909	90220	90231
KSS302_0115	11.61	–	–	–	–	–	–	–	25	54	2.160	14	88748	88651	8	43	5.375	90219	90230
KSS302_0115	11.61	–	–	–	–	–	–	–	25	54	2.160	18	88749	88651	8	43	5.375	90219	90230
KSS302_0125	12.58	–	–	–	–	–	–	–	23	74	3.217	11	88745	88653	11	43	3.909	90220	90231
KSS302_0125	12.58	–	–	–	–	–	–	–	23	74	3.217	14	88746	88653	11	43	3.909	90220	90231
KSS302_0125	12.58	–	–	–	–	–	–	–	23	74	3.217	18	88747	88653	11	43	3.909	90220	90231
KSS302_0140	13.94	–	–	–	–	–	–	–	27	70	2.593	14	88750	88652	8	43	5.375	90219	90230
KSS302_0140	13.94	–	–	–	–	–	–	–	27	70	2.593	18	88751	88652	8	43	5.375	90219	90230
KSS302_0170	16.94	–	–	–	–	–	–	–	18	78	4.333	18	88510	88654	11	43	3.909	90220	90231
KSS302_0170	16.94	–	–	–	–	–	–	–	18	78	4.333	11	88743	88654	11	43	3.909	90220	90231
KSS302_0170	16.94	–	–	–	–	–	–	–	18	78	4.333	14	88744	88654	11	43	3.909	90220	90231
KSS302_0175	17.29	–	–	–	–	–	–	–	23	74	3.217	11	88745	88653	8	43	5.375	90219	90230
KSS302_0175	17.29	–	–	–	–	–	–	–	23	74	3.217	14	88746	88653	8	43	5.375	90219	90230
KSS302_0175	17.29	–	–	–	–	–	–	–	23	74	3.217	18	88747	88653	8	43	5.375	90219	90230
KSS302_0200	20.28	–	–	–	–	–	–	–	16	83	5.188	11	88740	88655	11	43	3.909	90220	90231
KSS302_0200	20.28	–	–	–	–	–	–	–	16	83	5.188	14	88741	88655	11	43	3.909	90220	90231
KSS302_0200	20.28	–	–	–	–	–	–	–	16	83	5.188	18	90508	88655	11	43	3.909	90220	90231
KSS302_0230	23.29	–	–	–	–	–	–	–	18	78	4.333	11	88743	88654	8	43	5.375	90219	90230
KSS302_0230	23.29	–	–	–	–	–	–	–	18	78	4.333	14	88744	88654	8	43	5.375	90219	90230
KSS302_0230	23.29	–	–	–	–	–	–	–	18	78	4.333	18	88510	88654	8	43	5.375	90219	90230
KSS302_0250	25.26	–	–	–	–	–	–	–	13	84	6.462	11	88738	88656	11	43	3.909	90220	90231
KSS302_0250	25.26	–	–	–	–	–	–	–	13	84	6.462	14	90006	88656	11	43	3.909	90220	90231
KSS302_0280	27.88	–	–	–	–	–	–	–	16	83	5.188	11	88740	88655	8	43	5.375	90219	90230
KSS302_0280	27.88	–	–	–	–	–	–	–	16	83	5.188	14	88741	88655	8	43	5.375	90219	90230
KSS302_0280	27.88	–	–	–	–	–	–	–	16	83	5.188	18	90508	88655	8	43	5.375	90219	90230
KSS302_0340	33.62	–	–	–	–	–	–	–	10	86	8.600	11	88733	88657	11	43	3.909	90220	90231
KSS302_0340	33.62	–	–	–	–	–	–	–	10	86	8.600	14	91233	88657	11	43	3.909	90220	90231
KSS302_0350	34.73	–	–	–	–	–	–	–	13	84	6.462	11	88738	88656	8	43	5.375	90219	90230
KSS302_0350	34.73	–	–	–	–	–	–	–	13	84	6.462	14	90006	88656	8	43	5.375	90219	90230
KSS302_0410	40.51	–	–	–	–	–	–	–	11	114	10.36	14	214667	88658	11	43	3.909	90220	90231
KSS302_0410	40.51	–	–	–	–	–	–	–	11	114	10.36	11	88735	88658	11	43	3.909	90220	90231
KSS302_0460	46.23	–	–	–	–	–	–	–	10	86	8.600	11	88733	88657	8	43	5.375	90219	90230
KSS302_0460	46.23	–	–	–	–	–	–	–	10	86	8.600	14	91233	88657	8	43	5.375	90219	90230
KSS302_0500	50.49	–	–	–	–	–	–	–	12	155	12.92	9	88736	88659	11	43	3.909	90220	90231
KSS302_0560	55.71	–	–	–	–	–	–	–	11	114	10.36	14	214667	88658	8	43	5.375	90219	90230
KSS302_0560	55.71	–	–	–	–	–	–	–	11	114	10.36	11	88735	88658	8	43	5.375	90219	90230
KSS302_0690	69.43	–	–	–	–	–	–	–	12	155	12.92	9	88736	88659	8	43	5.375	90219	90230
KSS303_0330	32.65	160	15	58	3.867	14	96524	96542	25	54	2.160	18	88749	88651	11	43	3.909	90220	90231
KSS303_0330	32.65	160	15	58	3.867	11	96523	96542	25	54	2.160	18	88749	88651	11	43	3.909	90220	90231
KSS303_0360	35.83	160	15	58	3.867	14	96524	96542	29	50	1.724	18	88753	88650	8	43	5.375	90219	90230
KSS303_0360	35.83	160	15	58	3.867	11	96523	96542	29	50	1.724	18	88753	88650	8	43	5.375	90219	90230
KSS303_0390	39.19	160	15	58	3.867	14	96524	96542	27	70	2.593	18	88751	88652	11	43	3.909	90220	90231
KSS303_0390	39.19	160	15	58	3.867	11	96523	96542	27	70	2.593	18	88751	88652	11	43	3.909	90220	90231
KSS303_0450	44.89	160	15	58	3.867	11	96523	96542	25	54	2.160	18	88749	88651	8	43	5.375	90219	90230
KSS303_0450	44.89	160	15	58	3.867	14	96524	96542	25	54	2.160	18	88749	88651	8	43	5.375	90219	90230
KSS303_0490	48.63	160	15	58	3.867	11	96523	96542	23	74	3.217	18	88747	88653	11	43	3.909	90220	90231
KSS303_0490	48.63	160	15	58	3.867	14	96524	96542	23	74	3.217	18	88747	88653	11	43	3.909	90220	90231
KSS303_0540	53.88	160	15	58	3.867	14	96524	96542	27	70	2.593	18	88751	88652	8	43	5.375	90219	90230
KSS303_0540	53.88	160	15	58	3.867	11	96523	96542	27	70	2.593	18	88751	88652	8	43	5.375	90219	90230
KSS303_0650	65.50	160	15	58	3.867	11	96523	96542	18	78	4.333	18	88510	88654	11	43	3.909	90220	90231
KSS303_0650	65.50	160	15	58	3.867	14	96524	96542	18	78	4.333	18	88510	88654	11	43	3.909	90220	90231
KSS303_0670	66.87	160	15	58	3.867	14	96524	96542	23	74	3.217	18	88747	88653	8	43	5.375	90219	90230
KSS303_0670	66.87	160	15	58	3.867	11	96523	96542	23	74	3.217	18	88747	88653	8	43	5.375	90219	90230

Type	i_{tot}	Øa	Pre stage						Input stage						Bevel gear stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
KSS303_0780	78.41	160	15	58	3.867	11	96523	96542	16	83	5.188	18	90508	88655	11	43	3.909	90220	90231
KSS303_0780	78.41	160	15	58	3.867	14	96524	96542	16	83	5.188	18	90508	88655	11	43	3.909	90220	90231
KSS303_0900	90.06	160	15	58	3.867	11	96523	96542	18	78	4.333	18	88510	88654	8	43	5.375	90219	90230
KSS303_0900	90.06	160	15	58	3.867	14	96524	96542	18	78	4.333	18	88510	88654	8	43	5.375	90219	90230
KSS303_1080	107.8	160	15	58	3.867	11	96523	96542	16	83	5.188	18	90508	88655	8	43	5.375	90219	90230
KSS303_1080	107.8	160	15	58	3.867	14	96524	96542	16	83	5.188	18	90508	88655	8	43	5.375	90219	90230
KSS303_1340	134.3	160	15	58	3.867	11	96523	96542	13	84	6.462	14	90006	88656	8	43	5.375	90219	90230
KSS303_1340	134.3	160	15	58	3.867	14	96524	96542	13	84	6.462	14	90006	88656	8	43	5.375	90219	90230
KSS303_1790	178.7	160	15	58	3.867	14	96524	96542	10	86	8.600	14	91233	88657	8	43	5.375	90219	90230
KSS303_1790	178.7	160	15	58	3.867	11	96523	96542	10	86	8.600	14	91233	88657	8	43	5.375	90219	90230
KSS402_0040	4.000	–	–	–	–	–	–	–	43	44	1.023	25	98224	98163	11	43	3.909	90222	90233
KSS402_0044	4.364	–	–	–	–	–	–	–	43	48	1.116	25	98226	98164	11	43	3.909	90222	90233
KSS402_0054	5.422	–	–	–	–	–	–	–	31	43	1.387	25	99426	91102	11	43	3.909	90222	90233
KSS402_0060	6.000	–	–	–	–	–	–	–	43	48	1.116	25	98226	98164	8	43	5.375	90221	90232
KSS402_0067	6.719	–	–	–	–	–	–	–	32	55	1.719	18	88768	88660	11	43	3.909	90222	90233
KSS402_0067	6.719	–	–	–	–	–	–	–	32	55	1.719	25	88769	88660	11	43	3.909	90222	90233
KSS402_0075	7.456	–	–	–	–	–	–	–	31	43	1.387	25	99426	91102	8	43	5.375	90221	90232
KSS402_0084	8.377	–	–	–	–	–	–	–	28	60	2.143	18	88766	88661	11	43	3.909	90222	90233
KSS402_0084	8.377	–	–	–	–	–	–	–	28	60	2.143	25	88767	88661	11	43	3.909	90222	90233
KSS402_0092	9.238	–	–	–	–	–	–	–	32	55	1.719	18	88768	88660	8	43	5.375	90221	90232
KSS402_0092	9.238	–	–	–	–	–	–	–	32	55	1.719	25	88769	88660	8	43	5.375	90221	90232
KSS402_0100	10.10	–	–	–	–	–	–	–	24	62	2.583	18	88764	88662	11	43	3.909	90222	90233
KSS402_0100	10.10	–	–	–	–	–	–	–	24	62	2.583	25	88765	88662	11	43	3.909	90222	90233
KSS402_0115	11.52	–	–	–	–	–	–	–	28	60	2.143	18	88766	88661	8	43	5.375	90221	90232
KSS402_0115	11.52	–	–	–	–	–	–	–	28	60	2.143	25	88767	88661	8	43	5.375	90221	90232
KSS402_0125	12.66	–	–	–	–	–	–	–	21	68	3.238	18	88763	88663	11	43	3.909	90222	90233
KSS402_0125	12.66	–	–	–	–	–	–	–	21	68	3.238	25	89309	88663	11	43	3.909	90222	90233
KSS402_0140	13.89	–	–	–	–	–	–	–	24	62	2.583	25	88765	88662	8	43	5.375	90221	90232
KSS402_0140	13.89	–	–	–	–	–	–	–	24	62	2.583	18	88764	88662	8	43	5.375	90221	90232
KSS402_0170	16.94	–	–	–	–	–	–	–	21	91	4.333	14	88760	88664	11	43	3.909	90222	90233
KSS402_0170	16.94	–	–	–	–	–	–	–	21	91	4.333	18	88761	88664	11	43	3.909	90222	90233
KSS402_0170	16.94	–	–	–	–	–	–	–	21	91	4.333	25	89308	88664	11	43	3.909	90222	90233
KSS402_0175	17.41	–	–	–	–	–	–	–	21	68	3.238	18	88763	88663	8	43	5.375	90221	90232
KSS402_0175	17.41	–	–	–	–	–	–	–	21	68	3.238	25	89309	88663	8	43	5.375	90221	90232
KSS402_0200	20.20	–	–	–	–	–	–	–	18	93	5.167	11	88743	88665	11	43	3.909	90222	90233
KSS402_0200	20.20	–	–	–	–	–	–	–	18	93	5.167	18	88510	88665	11	43	3.909	90222	90233
KSS402_0200	20.20	–	–	–	–	–	–	–	18	93	5.167	14	88744	88665	11	43	3.909	90222	90233
KSS402_0230	23.29	–	–	–	–	–	–	–	21	91	4.333	14	88760	88664	8	43	5.375	90221	90232
KSS402_0230	23.29	–	–	–	–	–	–	–	21	91	4.333	18	88761	88664	8	43	5.375	90221	90232
KSS402_0230	23.29	–	–	–	–	–	–	–	21	91	4.333	25	89308	88664	8	43	5.375	90221	90232
KSS402_0250	25.28	–	–	–	–	–	–	–	15	97	6.467	14	88759	88666	11	43	3.909	90222	90233
KSS402_0250	25.28	–	–	–	–	–	–	–	15	97	6.467	18	90509	88666	11	43	3.909	90222	90233
KSS402_0280	27.77	–	–	–	–	–	–	–	18	93	5.167	11	88743	88665	8	43	5.375	90221	90232
KSS402_0280	27.77	–	–	–	–	–	–	–	18	93	5.167	14	88744	88665	8	43	5.375	90221	90232
KSS402_0280	27.77	–	–	–	–	–	–	–	18	93	5.167	18	88510	88665	8	43	5.375	90221	90232
KSS402_0340	33.68	–	–	–	–	–	–	–	13	112	8.615	11	88756	88667	11	43	3.909	90222	90233
KSS402_0340	33.68	–	–	–	–	–	–	–	13	112	8.615	14	88757	88667	11	43	3.909	90222	90233
KSS402_0350	34.76	–	–	–	–	–	–	–	15	97	6.467	14	88759	88666	8	43	5.375	90221	90232
KSS402_0350	34.76	–	–	–	–	–	–	–	15	97	6.467	18	90509	88666	8	43	5.375	90221	90232
KSS402_0410	40.51	–	–	–	–	–	–	–	11	114	10.36	14	90007	88668	11	43	3.909	90222	90233
KSS402_0460	46.31	–	–	–	–	–	–	–	13	112	8.615	14	88757	88667	8	43	5.375	90221	90232
KSS402_0460	46.31	–	–	–	–	–	–	–	13	112	8.615	11	88756	88667	8	43	5.375	90221	90232
KSS402_0500	50.43	–	–	–	–	–	–	–	10	129	12.90	14	214666	88669	11	43	3.909	90222	90233
KSS402_0500	50.43	–	–	–	–	–	–	–	10	129	12.90	11	88754	88669	11	43	3.909	90222	90233
KSS402_0560	55.71	–	–	–	–	–	–	–	11	114	10.36	14	90007	88668	8	43	5.375	90221	90232
KSS402_0690	69.34	–	–	–	–	–	–	–	10	129	12.90	14	214666	88669	8	43	5.375	90221	90232
KSS402_0690	69.34	–	–	–	–	–	–	–	10	129	12.90	11	88754	88669	8	43	5.375	90221	90232
KSS403_0320	32.39	160	15	58	3.867	14	96524	96542	28	60	2.143	18	88766	88661	11	43	3.909	90222	90233
KSS403_0320	32.39	160	15	58	3.867	11	96523	96542	28	60	2.143	18	88766	88661	11	43	3.909	90222	90233
KSS403_0360	35.72	160	15	58	3.867	11	96523	96542	32	55	1.719	18	88768	88660	8	43	5.375	90221	90232
KSS403_0360	35.72	160	15	58	3.867	14	96524	96542	32	55	1.719	18	88768	88660	8	43	5.375	90221	90232
KSS403_0390	39.05	160	15	58	3.867	11	96523	96542	24	62	2.583	18	88764	88662	11	43	3.909	90222	90233
KSS403_0390	39.05	160	15	58	3.867	14	96524	96542	24	62	2.583	18	88764	88662	11	43	3.909	90222	90233
KSS403_0450	44.54	160	15	58	3.867	11	96523	96542	28	60	2.143	18	88766	88661	8	43	5.375	90221	90232
KSS403_0450	44.54	160	15	58	3.867	14	96524	96542	28	60	2.143	18	88766	88661	8	43	5.375	90221	90232
KSS403_0490	48.94	160	15	58	3.867	11	96523	96542	21	68	3.238	18	88763	88663	11	43	3.909	90222	90233
KSS403_0490	48.94	160	15	58	3.867	14	96524	96542	21	68	3.238	18	88763	88663	11	43	3.909	90222	90233
KSS403_0540	53.69	160	15	58	3.867	11	96523	96542	24	62	2.583	18	88764	88662	8	43	5.375	90221	90232
KSS403_0540	53.69	160	15	58	3.867	14	96524	96542	24	62	2.583	18	88764	88662	8	43	5.375	90221	90232
KSS403_0650	65.50	160	15	58	3.867	11	96523	96542	21	91	4.333	18	88761	88664	11	43	3.909	90222	90233
KSS403_0650	65.50	160	15	58	3.867	14	96524	96542	21	91	4.333	18	88761	88664	11	43	3.909	90222	90233
KSS403_0660	66.35	140	12	47	3.917	7	88692	88401	21	91	4.333	14	88760	88664	11	43	3.909	90222	90233
KSS403_0660	66.35	140	12	47	3.917	9	88693	88401	21	91	4.333	14	88760	88664	11	43	3.909	90222	90233
KSS403_0670	67.30	160	15	58	3.867	11	96523	96542	21	68	3.238	18	88763	88663	8	43	5.375	90221	90232
KSS403_0670	67.30	160	15	58	3.867	14	96524	96542	21	68	3.238	18	88763	88663	8	43	5.375	90221	90232
KSS403_0780	78.10	160	15	58	3.867	11	96523	96542	18	93	5.167	18	88510	88665	11	43	3.909	90222	90233
KSS403_0780	78.10	160	15	58	3.867	14	96524	96542	18	93	5.167	18	88510	88665	11	43	3.909	90222	90233
KSS403_0790	79.11	140	12	47	3.917	7	88692	88401	18	93	5.167	14	88744	88665	11	43	3.909	90222	90233

Type	i_{tot}	Øa	Pre stage						Input stage						Bevel gear stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
KSS403_0790	79.11	140	12	47	3.917	9	88693	88401	18	93	5.167	14	88744	88665	11	43	3.909	90222	90233
KSS403_0900	90.06	160	15	58	3.867	11	96523	96542	21	91	4.333	18	88761	88664	8	43	5.375	90221	90232
KSS403_0900	90.06	160	15	58	3.867	14	96524	96542	21	91	4.333	18	88761	88664	8	43	5.375	90221	90232
KSS403_0910	91.23	140	12	47	3.917	7	88692	88401	21	91	4.333	14	88760	88664	8	43	5.375	90221	90232
KSS403_0910	91.23	140	12	47	3.917	9	88693	88401	21	91	4.333	14	88760	88664	8	43	5.375	90221	90232
KSS403_1070	107.4	160	15	58	3.867	11	96523	96542	18	93	5.167	18	88510	88665	8	43	5.375	90221	90232
KSS403_1070	107.4	160	15	58	3.867	14	96524	96542	18	93	5.167	18	88510	88665	8	43	5.375	90221	90232
KSS403_1090	108.8	140	12	47	3.917	7	88692	88401	18	93	5.167	14	88744	88665	8	43	5.375	90221	90232
KSS403_1090	108.8	140	12	47	3.917	9	88693	88401	18	93	5.167	14	88744	88665	8	43	5.375	90221	90232
KSS403_1340	134.4	160	15	58	3.867	11	96523	96542	15	97	6.467	18	90509	88666	8	43	5.375	90221	90232
KSS403_1340	134.4	160	15	58	3.867	14	96524	96542	15	97	6.467	18	90509	88666	8	43	5.375	90221	90232
KSS403_1360	136.1	140	12	47	3.917	9	88693	88401	15	97	6.467	14	88759	88666	8	43	5.375	90221	90232
KSS403_1360	136.1	140	12	47	3.917	7	88692	88401	15	97	6.467	14	88759	88666	8	43	5.375	90221	90232
KSS403_1790	179.1	160	15	58	3.867	11	96523	96542	13	112	8.615	14	88757	88667	8	43	5.375	90221	90232
KSS403_1790	179.1	160	15	58	3.867	14	96524	96542	13	112	8.615	14	88757	88667	8	43	5.375	90221	90232
KSS403_1810	181.4	140	12	47	3.917	7	88692	88401	13	112	8.615	14	88757	88667	8	43	5.375	90221	90232
KSS403_1810	181.4	140	12	47	3.917	9	88693	88401	13	112	8.615	14	88757	88667	8	43	5.375	90221	90232
KSS403_2150	215.4	160	15	58	3.867	11	96523	96542	11	114	10.36	14	90007	88668	8	43	5.375	90221	90232
KSS403_2150	215.4	160	15	58	3.867	14	96524	96542	11	114	10.36	14	90007	88668	8	43	5.375	90221	90232
KSS403_2180	218.2	140	12	47	3.917	7	88692	88401	11	114	10.36	14	90007	88668	8	43	5.375	90221	90232
KSS403_2180	218.2	140	12	47	3.917	9	88693	88401	11	114	10.36	14	90007	88668	8	43	5.375	90221	90232
KSS403_2720	271.6	140	12	47	3.917	9	88693	88401	10	129	12.90	14	214666	88669	8	43	5.375	90221	90232
KSS403_2720	271.6	140	12	47	3.917	7	88692	88401	10	129	12.90	14	214666	88669	8	43	5.375	90221	90232

13 Gearset list planetary gear units P (G2)

Type	i_{tot}	Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
P221_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	9	205633	205628	209453
P221_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	9	205635	205629	209453
P221_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	9	215785	205630	209453
P221_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	9	215786	205630	210806
P221_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	9	215787	205631	209453
P222_0160	16.00	36	35	108	4.000	9	205633	205628	209453	36	35	108	4.000	9	205633	205628	209453
P222_0200	20.00	36	35	108	4.000	9	205633	205628	209453	27	40	108	5.000	9	205635	205629	209453
P222_0250	25.00	27	40	108	5.000	9	205635	205629	209453	27	40	108	5.000	9	205635	205629	209453
P222_0280	28.00	18	44	108	7.000	9	215785	205630	209453	36	35	108	4.000	9	205633	205628	209453
P222_0320	32.00	36	35	108	4.000	9	205633	205628	209453	15	44	105	8.000	9	215786	205630	210806
P222_0350	35.00	18	44	108	7.000	9	215785	205630	209453	27	40	108	5.000	9	205635	205629	209453
P222_0400	40.00	12	47	108	10.00	9	215787	205631	209453	36	35	108	4.000	9	205633	205628	209453
P222_0500	50.00	12	47	108	10.00	9	215787	205631	209453	27	40	108	5.000	9	205635	205629	209453
P222_0560	56.00	18	44	108	7.000	9	215785	205630	209453	15	44	105	8.000	9	215786	205630	210806
P222_0700	70.00	12	47	108	10.00	9	215787	205631	209453	18	44	108	7.000	9	215785	205630	209453
P222_0800	80.00	12	47	108	10.00	9	215787	205631	209453	15	44	105	8.000	9	215786	205630	210806
P222_1000	100.0	12	47	108	10.00	9	215787	205631	209453	12	47	108	10.00	9	215787	205631	209453
P321_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	11	212601	212639	209455
P321_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	9	214091	212639	209455
P321_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	11	212602	201199	209455
P321_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	9	214092	201199	209455
P321_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	11	212603	201198	209455
P321_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	9	214100	201198	209455
P321_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	9	214601	201197	209455
P321_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	9	214602	201197	210807
P321_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	9	214603	201196	209455
P322_0120	12.00	36	35	108	4.000	9	205633	205628	209453	54	26	108	3.000	11	212601	212639	209455
P322_0160	16.00	36	35	108	4.000	9	205633	205628	209453	36	35	108	4.000	11	212602	201199	209455
P322_0200	20.00	36	35	108	4.000	9	205633	205628	209453	27	40	108	5.000	11	212603	201198	209455
P322_0250	25.00	27	40	108	5.000	9	205635	205629	209453	27	40	108	5.000	11	212603	201198	209455
P322_0280	28.00	18	44	108	7.000	9	215785	205630	209453	36	35	108	4.000	11	212602	201199	209455
P322_0320	32.00	36	35	108	4.000	9	205633	205628	209453	15	44	105	8.000	9	214602	201197	210807
P322_0350	35.00	18	44	108	7.000	9	215785	205630	209453	27	40	108	5.000	11	212603	201198	209455
P322_0400	40.00	12	47	108	10.00	9	215787	205631	209453	36	35	108	4.000	11	212602	201199	209455
P322_0500	50.00	12	47	108	10.00	9	215787	205631	209453	27	40	108	5.000	11	212603	201198	209455
P322_0560	56.00	18	44	108	7.000	9	215785	205630	209453	15	44	105	8.000	9	214602	201197	210807
P322_0700	70.00	12	47	108	10.00	9	215787	205631	209453	18	44	108	7.000	9	214601	201197	209455
P322_0800	80.00	12	47	108	10.00	9	215787	205631	209453	15	44	105	8.000	9	214602	201197	210807
P322_1000	100.0	12	47	108	10.00	9	215787	205631	209453	12	47	108	10.00	9	214603	201196	209455
P421_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	14	212607	212644	210170
P421_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	11	201165	201204	210170
P421_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	14	201166	201204	210170
P421_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	14	201164	201203	210170
P421_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	11	201163	201203	210170
P421_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	14	212610	201202	210170
P421_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	11	201162	201202	210170
P421_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	11	201161	201202	210157
P421_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	14	212611	201202	210157
P421_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	11	201160	201201	210170
P421_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	212612	201201	210170
P422_0120	12.00	36	35	108	4.000	11	212602	201199	209455	54	26	108	3.000	14	212607	212644	210170
P422_0120	12.00	36	35	108	4.000	9	214092	201199	209455	54	26	108	3.000	14	212607	212644	210170
P422_0160	16.00	36	35	108	4.000	11	212602	201199	209455	36	35	108	4.000	14	201166	201204	210170
P422_0160	16.00	36	35	108	4.000	9	214092	201199	209455	36	35	108	4.000	14	201166	201204	210170
P422_0200	20.00	36	35	108	4.000	11	212602	201199	209455	27	40	108	5.000	14	201164	201203	210170
P422_0200	20.00	36	35	108	4.000	9	214092	201199	209455	27	40	108	5.000	14	201164	201203	210170
P422_0250	25.00	27	40	108	5.000	9	214100	201198	209455	27	40	108	5.000	14	201164	201203	210170
P422_0250	25.00	27	40	108	5.000	11	212603	201198	209455	27	40	108	5.000	14	201164	201203	210170
P422_0280	28.00	18	44	108	7.000	9	214601	201197	209455	36	35	108	4.000	14	201166	201204	210170
P422_0320	32.00	36	35	108	4.000	11	212602	201199	209455	15	44	105	8.000	14	212611	201202	210157
P422_0320	32.00	36	35	108	4.000	9	214092	201199	209455	15	44	105	8.000	14	212611	201202	210157
P422_0350	35.00	18	44	108	7.000	9	214601	201197	209455	27	40	108	5.000	14	201164	201203	210170
P422_0400	40.00	12	47	108	10.00	9	214603	201196	209455	36	35	108	4.000	14	201166	201204	210170
P422_0500	50.00	12	47	108	10.00	9	214603	201196	209455	27	40	108	5.000	14	201164	201203	210170
P422_0560	56.00	18	44	108	7.000	9	214601	201197	209455	15	44	105	8.000	14	212611	201202	210157
P422_0700	70.00	12	47	108	10.00	9	214603	201196	209455	18	44	108	7.000	14	212610	201202	210170
P422_0800	80.00	12	47	108	10.00	9	214603	201196	209455	15	44	105	8.000	14	212611	201202	210157
P422_1000	100.0	12	47	108	10.00	9	214603	201196	209455	12	47	108	10.00	14	212612	201201	210170
P521_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	14	201176	212650	210159
P521_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	18	212614	212650	210159
P521_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	14	201174	201209	210159
P521_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	18	201175	201209	210159
P521_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	14	201172	201208	210159
P521_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	18	201173	201208	210159
P521_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	14	201171	201207	210159

Type	i_{tot}	Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
P521_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	14	201170	201207	210161
P521_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	201169	201206	210159
P522_0120	12.00	36	35	108	4.000	11	201165	201204	210170	54	26	108	3.000	18	212614	212650	210159
P522_0120	12.00	36	35	108	4.000	14	201166	201204	210170	54	26	108	3.000	18	212614	212650	210159
P522_0160	16.00	36	35	108	4.000	11	201165	201204	210170	36	35	108	4.000	18	201175	201209	210159
P522_0160	16.00	36	35	108	4.000	14	201166	201204	210170	36	35	108	4.000	18	201175	201209	210159
P522_0200	20.00	36	35	108	4.000	11	201165	201204	210170	27	40	108	5.000	18	201173	201208	210159
P522_0200	20.00	36	35	108	4.000	14	201166	201204	210170	27	40	108	5.000	18	201173	201208	210159
P522_0250	25.00	27	40	108	5.000	11	201163	201203	210170	27	40	108	5.000	18	201173	201208	210159
P522_0250	25.00	27	40	108	5.000	14	201164	201203	210170	27	40	108	5.000	18	201173	201208	210159
P522_0280	28.00	18	44	108	7.000	11	201162	201202	210170	36	35	108	4.000	18	201175	201209	210159
P522_0280	28.00	18	44	108	7.000	14	212610	201202	210170	36	35	108	4.000	18	201175	201209	210159
P522_0320	32.00	36	35	108	4.000	14	201166	201204	210170	15	44	105	8.000	14	201170	201207	210161
P522_0320	32.00	36	35	108	4.000	11	201165	201204	210170	15	44	105	8.000	14	201170	201207	210161
P522_0350	35.00	18	44	108	7.000	11	201162	201202	210170	27	40	108	5.000	18	201173	201208	210159
P522_0350	35.00	18	44	108	7.000	14	212610	201202	210170	27	40	108	5.000	18	201173	201208	210159
P522_0400	40.00	12	47	108	10.00	11	201160	201201	210170	36	35	108	4.000	18	201175	201209	210159
P522_0400	40.00	12	47	108	10.00	14	212612	201201	210170	36	35	108	4.000	18	201175	201209	210159
P522_0500	50.00	12	47	108	10.00	11	201160	201201	210170	27	40	108	5.000	18	201173	201208	210159
P522_0500	50.00	12	47	108	10.00	14	212612	201201	210170	27	40	108	5.000	18	201173	201208	210159
P522_0560	56.00	18	44	108	7.000	11	201162	201202	210170	15	44	105	8.000	14	201170	201207	210161
P522_0560	56.00	18	44	108	7.000	14	212610	201202	210170	15	44	105	8.000	14	201170	201207	210161
P522_0700	70.00	12	47	108	10.00	14	212612	201201	210170	18	44	108	7.000	14	201171	201207	210159
P522_0700	70.00	12	47	108	10.00	11	201160	201201	210170	18	44	108	7.000	14	201171	201207	210159
P522_0800	80.00	12	47	108	10.00	11	201160	201201	210170	15	44	105	8.000	14	201170	201207	210161
P522_0800	80.00	12	47	108	10.00	14	212612	201201	210170	15	44	105	8.000	14	201170	201207	210161
P522_1000	100.0	12	47	108	10.00	11	201160	201201	210170	12	47	108	10.00	14	201169	201206	210159
P522_1000	100.0	12	47	108	10.00	14	212612	201201	210170	12	47	108	10.00	14	201169	201206	210159
P721_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	18	201185	212656	210178
P721_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	25	212621	212656	210178
P721_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	18	201183	201214	210178
P721_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	25	201184	201214	210178
P721_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	18	201181	201213	210178
P721_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	25	201182	201213	210178
P721_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	18	201180	201212	210178
P721_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	18	201179	201212	210180
P721_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	18	201178	201211	210178
P722_0120	12.00	36	35	108	4.000	14	201174	201209	210159	54	26	108	3.000	25	212621	212656	210178
P722_0120	12.00	36	35	108	4.000	18	201175	201209	210159	54	26	108	3.000	25	212621	212656	210178
P722_0160	16.00	36	35	108	4.000	14	201174	201209	210159	36	35	108	4.000	25	201184	201214	210178
P722_0160	16.00	36	35	108	4.000	18	201175	201209	210159	36	35	108	4.000	25	201184	201214	210178
P722_0200	20.00	36	35	108	4.000	14	201174	201209	210159	27	40	108	5.000	25	201182	201213	210178
P722_0200	20.00	36	35	108	4.000	18	201175	201209	210159	27	40	108	5.000	25	201182	201213	210178
P722_0250	25.00	27	40	108	5.000	14	201172	201208	210159	27	40	108	5.000	25	201182	201213	210178
P722_0250	25.00	27	40	108	5.000	18	201173	201208	210159	27	40	108	5.000	25	201182	201213	210178
P722_0280	28.00	18	44	108	7.000	14	201171	201207	210159	36	35	108	4.000	25	201184	201214	210178
P722_0320	32.00	36	35	108	4.000	14	201174	201209	210159	15	44	105	8.000	18	201179	201212	210180
P722_0320	32.00	36	35	108	4.000	18	201175	201209	210159	15	44	105	8.000	18	201179	201212	210180
P722_0350	35.00	18	44	108	7.000	14	201171	201207	210159	27	40	108	5.000	25	201182	201213	210178
P722_0400	40.00	12	47	108	10.00	14	201169	201206	210159	36	35	108	4.000	25	201184	201214	210178
P722_0500	50.00	12	47	108	10.00	14	201169	201206	210159	27	40	108	5.000	25	201182	201213	210178
P722_0560	56.00	18	44	108	7.000	14	201171	201207	210159	15	44	105	8.000	18	201179	201212	210180
P722_0700	70.00	12	47	108	10.00	14	201169	201206	210159	18	44	108	7.000	18	201180	201212	210178
P722_0800	80.00	12	47	108	10.00	14	201169	201206	210159	15	44	105	8.000	18	201179	201212	210180
P722_1000	100.0	12	47	108	10.00	14	201169	201206	210159	12	47	108	10.00	18	201178	201211	210178
P821_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	35	212628	212662	210164
P821_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	30	201195	212662	210164
P821_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	25	201194	212662	210164
P821_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	30	201193	201219	210164
P821_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	35	201248	201219	210164
P821_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	25	201192	201219	210164
P821_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	25	201190	201218	210164
P821_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	30	201191	201218	210164
P821_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	35	201247	201218	210164
P821_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	25	201189	201217	210164
P821_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	25	201188	201217	210166
P821_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	25	201187	201216	210164
P822_0120	12.00	36	35	108	4.000	18	201183	201214	210178	54	26	108	3.000	35	212628	212662	210164
P822_0120	12.00	36	35	108	4.000	25	201184	201214	210178	54	26	108	3.000	35	212628	212662	210164
P822_0160	16.00	36	35	108	4.000	25	201184	201214	210178	36	35	108	4.000	35	201248	201219	210164
P822_0160	16.00	36	35	108	4.000	18	201183	201214	210178	36	35	108	4.000	35	201248	201219	210164
P822_0200	20.00	36	35	108	4.000	18	201183	201214	210178	27	40	108	5.000	35	201247	201218	210164
P822_0200	20.00	36	35	108	4.000	25	201184	201214	210178	27	40	108	5.000	35	201247	201218	210164
P822_0250	25.00	27	40	108	5.000	18	201181	201213	210178	27	40	108	5.000	35	201247	201218	210164
P822_0250	25.00	27	40	108	5.000	25	201182	201213	210178	27	40	108	5.000	35	201247	201218	210164
P822_0280	28.00	18	44	108	7.000	18	201180	201212	210178	36	35	108	4.000	35	201248	201219	210164
P822_0320	32.00	36	35	108	4.000	18	201183	201214	210178	15	44	105	8.000	25	201188	201217	210166
P822_0320	32.00	36	35	108	4.000	25	201184	201214	210178	15	44	105	8.000	25	201188	201217	210166

Type	i_{tot}	Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
P822_0350	35.00	18	44	108	7.000	18	201180	201212	210178	27	40	108	5.000	35	201247	201218	210164
P822_0400	40.00	12	47	108	10.00	18	201178	201211	210178	36	35	108	4.000	35	201248	201219	210164
P822_0500	50.00	12	47	108	10.00	18	201178	201211	210178	27	40	108	5.000	35	201247	201218	210164
P822_0560	56.00	18	44	108	7.000	18	201180	201212	210178	15	44	105	8.000	25	201188	201217	210166
P822_0700	70.00	12	47	108	10.00	18	201178	201211	210178	18	44	108	7.000	25	201189	201217	210164
P822_0800	80.00	12	47	108	10.00	18	201178	201211	210178	15	44	105	8.000	25	201188	201217	210166
P822_1000	100.0	12	47	108	10.00	18	201178	201211	210178	12	47	108	10.00	25	201187	201216	210164
P921_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	40	212635	205701	210169
P921_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	40	212636	205702	210169
P921_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	30	205707	205703	210169
P921_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	30	205708	205704	210169
P922_0160	16.00	36	35	108	4.000	25	201192	201219	210164	36	35	108	4.000	40	212635	205701	210169
P922_0160	16.00	36	35	108	4.000	30	201193	201219	210164	36	35	108	4.000	40	212635	205701	210169
P922_0200	20.00	36	35	108	4.000	30	201193	201219	210164	27	40	108	5.000	40	212636	205702	210169
P922_0200	20.00	36	35	108	4.000	25	201192	201219	210164	27	40	108	5.000	40	212636	205702	210169
P922_0250	25.00	27	40	108	5.000	25	201190	201218	210164	27	40	108	5.000	40	212636	205702	210169
P922_0250	25.00	27	40	108	5.000	30	201191	201218	210164	27	40	108	5.000	40	212636	205702	210169
P922_0280	28.00	18	44	108	7.000	25	201189	201217	210164	36	35	108	4.000	40	212635	205701	210169
P922_0350	35.00	18	44	108	7.000	25	201189	201217	210164	27	40	108	5.000	40	212636	205702	210169
P922_0400	40.00	12	47	108	10.00	25	201187	201216	210164	36	35	108	4.000	40	212635	205701	210169
P922_0500	50.00	12	47	108	10.00	25	201187	201216	210164	27	40	108	5.000	40	212636	205702	210169
P922_0700	70.00	12	47	108	10.00	25	201187	201216	210164	18	44	108	7.000	30	205707	205703	210169
P922_1000	100.0	12	47	108	10.00	25	201187	201216	210164	12	47	108	10.00	30	205708	205704	210169

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Type	i_{tot}	Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
PA321_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	9	214091	212639	210177
PA321_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	11	212601	212639	210177
PA321_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	11	212602	201224	210177
PA321_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	9	214092	201224	210177
PA321_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	11	212603	201223	210177
PA321_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	9	214100	201223	210177
PA321_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	9	214601	201222	210177
PA321_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	9	214602	201222	210808
PA321_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	9	214603	201221	210177
PA322_0120	12.00	36	35	108	4.000	9	205633	205628	209453	54	26	108	3.000	11	212601	212639	210177
PA322_0160	16.00	36	35	108	4.000	9	205633	205628	209453	36	35	108	4.000	11	212602	201224	210177
PA322_0200	20.00	36	35	108	4.000	9	205633	205628	209453	27	40	108	5.000	11	212603	201223	210177
PA322_0250	25.00	27	40	108	5.000	9	205635	205629	209453	27	40	108	5.000	11	212603	201223	210177
PA322_0280	28.00	18	44	108	7.000	9	215785	205630	209453	36	35	108	4.000	11	212602	201224	210177
PA322_0320	32.00	36	35	108	4.000	9	205633	205628	209453	15	44	105	8.000	9	214602	201222	210808
PA322_0350	35.00	18	44	108	7.000	9	215785	205630	209453	27	40	108	5.000	11	212603	201223	210177
PA322_0400	40.00	12	47	108	10.00	9	215787	205631	209453	36	35	108	4.000	11	212602	201224	210177
PA322_0500	50.00	12	47	108	10.00	9	215787	205631	209453	27	40	108	5.000	11	212603	201223	210177
PA322_0560	56.00	18	44	108	7.000	9	215785	205630	209453	15	44	105	8.000	9	214602	201222	210808
PA322_0700	70.00	12	47	108	10.00	9	215787	205631	209453	18	44	108	7.000	9	214601	201222	210177
PA322_0800	80.00	12	47	108	10.00	9	215787	205631	209453	15	44	105	8.000	9	214602	201222	210808
PA322_1000	100.0	12	47	108	10.00	9	215787	205631	209453	12	47	108	10.00	9	214603	201221	210177
PA421_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	14	212607	212644	210171
PA421_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	11	201165	201229	210171
PA421_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	14	201166	201229	210171
PA421_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	11	201163	201228	210171
PA421_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	14	201164	201228	210171
PA421_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	14	212610	201227	210171
PA421_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	11	201162	201227	210171
PA421_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	11	201161	201227	210158
PA421_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	14	212611	201227	210158
PA421_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	11	201160	201226	210171
PA421_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	212612	201226	210171
PA422_0120	12.00	36	35	108	4.000	9	214092	201224	210177	54	26	108	3.000	14	212607	212644	210171
PA422_0120	12.00	36	35	108	4.000	11	212602	201224	210177	54	26	108	3.000	14	212607	212644	210171
PA422_0160	16.00	36	35	108	4.000	9	214092	201224	210177	36	35	108	4.000	14	201166	201229	210171
PA422_0160	16.00	36	35	108	4.000	11	212602	201224	210177	36	35	108	4.000	14	201166	201229	210171
PA422_0200	20.00	36	35	108	4.000	11	212602	201224	210177	27	40	108	5.000	14	201164	201228	210171
PA422_0200	20.00	36	35	108	4.000	9	214092	201224	210177	27	40	108	5.000	14	201164	201228	210171
PA422_0250	25.00	27	40	108	5.000	11	212603	201223	210177	27	40	108	5.000	14	201164	201228	210171
PA422_0250	25.00	27	40	108	5.000	9	214100	201223	210177	27	40	108	5.000	14	201164	201228	210171
PA422_0280	28.00	18	44	108	7.000	9	214601	201222	210177	36	35	108	4.000	14	201166	201229	210171
PA422_0320	32.00	36	35	108	4.000	9	214092	201224	210177	15	44	105	8.000	14	212611	201227	210158
PA422_0320	32.00	36	35	108	4.000	11	212602	201224	210177	15	44	105	8.000	14	212611	201227	210158
PA422_0350	35.00	18	44	108	7.000	9	214601	201222	210177	27	40	108	5.000	14	201164	201228	210171
PA422_0400	40.00	12	47	108	10.00	9	214603	201221	210177	36	35	108	4.000	14	201166	201229	210171
PA422_0500	50.00	12	47	108	10.00	9	214603	201221	210177	27	40	108	5.000	14	201164	201228	210171
PA422_0560	56.00	18	44	108	7.000	9	214601	201222	210177	15	44	105	8.000	14	212611	201227	210158
PA422_0700	70.00	12	47	108	10.00	9	214603	201221	210177	18	44	108	7.000	14	212610	201227	210171
PA422_0800	80.00	12	47	108	10.00	9	214603	201221	210177	15	44	105	8.000	14	212611	201227	210158
PA422_1000	100.0	12	47	108	10.00	9	214603	201221	210177	12	47	108	10.00	14	212612	201226	210171
PA521_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	18	212614	212650	210160
PA521_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	14	201176	212650	210160
PA521_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	18	201175	201234	210160
PA521_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	14	201174	201234	210160
PA521_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	14	201172	201233	210160
PA521_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	18	201173	201233	210160
PA521_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	14	201171	201232	210160
PA521_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	14	201170	201232	210162
PA521_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	201169	201231	210160
PA522_0120	12.00	36	35	108	4.000	14	201166	201229	210171	54	26	108	3.000	18	212614	212650	210160
PA522_0120	12.00	36	35	108	4.000	11	201165	201229	210171	54	26	108	3.000	18	212614	212650	210160
PA522_0160	16.00	36	35	108	4.000	11	201165	201229	210171	36	35	108	4.000	18	201175	201234	210160
PA522_0160	16.00	36	35	108	4.000	14	201166	201229	210171	36	35	108	4.000	18	201175	201234	210160
PA522_0200	20.00	36	35	108	4.000	11	201165	201229	210171	27	40	108	5.000	18	201173	201233	210160
PA522_0200	20.00	36	35	108	4.000	14	201166	201229	210171	27	40	108	5.000	18	201173	201233	210160
PA522_0250	25.00	27	40	108	5.000	11	201163	201228	210171	27	40	108	5.000	18	201173	201233	210160
PA522_0250	25.00	27	40	108	5.000	14	201164	201228	210171	27	40	108	5.000	18	201173	201233	210160
PA522_0280	28.00	18	44	108	7.000	11	201162	201227	210171	36	35	108	4.000	18	201175	201234	210160
PA522_0280	28.00	18	44	108	7.000	14	212610	201227	210171	36	35	108	4.000	18	201175	201234	210160
PA522_0320	32.00	36	35	108	4.000	14	201166	201229	210171	15	44	105	8.000	14	201170	201232	210162
PA522_0320	32.00	36	35	108	4.000	11	201165	201229	210171	15	44	105	8.000	14	201170	201232	210162
PA522_0350	35.00	18	44	108	7.000	11	201162	201227	210171	27	40	108	5.000	18	201173	201233	210160
PA522_0350	35.00	18	44	108	7.000	14	212610	201227	210171	27	40	108	5.000	18	201173	201233	210160
PA522_0400	40.00	12	47	108	10.00	11	201160	201226	210171	36	35	108	4.000	18	201175	201234	210160

Type	i_{tot}	Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
PA522_0400	40.00	12	47	108	10.00	14	212612	201226	210171	36	35	108	4.000	18	201175	201234	210160
PA522_0500	50.00	12	47	108	10.00	11	201160	201226	210171	27	40	108	5.000	18	201173	201233	210160
PA522_0500	50.00	12	47	108	10.00	14	212612	201226	210171	27	40	108	5.000	18	201173	201233	210160
PA522_0560	56.00	18	44	108	7.000	14	212610	201227	210171	15	44	105	8.000	14	201170	201232	210162
PA522_0560	56.00	18	44	108	7.000	11	201162	201227	210171	15	44	105	8.000	14	201170	201232	210162
PA522_0700	70.00	12	47	108	10.00	11	201160	201226	210171	18	44	108	7.000	14	201171	201232	210160
PA522_0700	70.00	12	47	108	10.00	14	212612	201226	210171	18	44	108	7.000	14	201171	201232	210160
PA522_0800	80.00	12	47	108	10.00	11	201160	201226	210171	15	44	105	8.000	14	201170	201232	210162
PA522_0800	80.00	12	47	108	10.00	14	212612	201226	210171	15	44	105	8.000	14	201170	201232	210162
PA522_1000	100.0	12	47	108	10.00	11	201160	201226	210171	12	47	108	10.00	14	201169	201231	210160
PA522_1000	100.0	12	47	108	10.00	14	212612	201226	210171	12	47	108	10.00	14	201169	201231	210160
PA721_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	18	201185	212656	210179
PA721_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	25	212621	212656	210179
PA721_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	18	201183	201239	210179
PA721_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	25	201184	201239	210179
PA721_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	18	201181	201238	210179
PA721_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	25	201182	201238	210179
PA721_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	18	201180	201237	210179
PA721_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	18	201179	201237	210181
PA721_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	18	201178	201236	210179
PA722_0120	12.00	36	35	108	4.000	14	201174	201234	210160	54	26	108	3.000	25	212621	212656	210179
PA722_0120	12.00	36	35	108	4.000	18	201175	201234	210160	54	26	108	3.000	25	212621	212656	210179
PA722_0160	16.00	36	35	108	4.000	14	201174	201234	210160	36	35	108	4.000	25	201184	201239	210179
PA722_0160	16.00	36	35	108	4.000	18	201175	201234	210160	36	35	108	4.000	25	201184	201239	210179
PA722_0200	20.00	36	35	108	4.000	18	201175	201234	210160	27	40	108	5.000	25	201182	201238	210179
PA722_0200	20.00	36	35	108	4.000	14	201174	201234	210160	27	40	108	5.000	25	201182	201238	210179
PA722_0250	25.00	27	40	108	5.000	14	201172	201233	210160	27	40	108	5.000	25	201182	201238	210179
PA722_0250	25.00	27	40	108	5.000	18	201173	201233	210160	27	40	108	5.000	25	201182	201238	210179
PA722_0280	28.00	18	44	108	7.000	14	201171	201232	210160	36	35	108	4.000	25	201184	201239	210179
PA722_0320	32.00	36	35	108	4.000	14	201174	201234	210160	15	44	105	8.000	18	201179	201237	210181
PA722_0320	32.00	36	35	108	4.000	18	201175	201234	210160	15	44	105	8.000	18	201179	201237	210181
PA722_0350	35.00	18	44	108	7.000	14	201171	201232	210160	27	40	108	5.000	25	201182	201238	210179
PA722_0400	40.00	12	47	108	10.00	14	201169	201231	210160	36	35	108	4.000	25	201184	201239	210179
PA722_0500	50.00	12	47	108	10.00	14	201169	201231	210160	27	40	108	5.000	25	201182	201238	210179
PA722_0560	56.00	18	44	108	7.000	14	201171	201232	210160	15	44	105	8.000	18	201179	201237	210181
PA722_0700	70.00	12	47	108	10.00	14	201169	201231	210160	18	44	108	7.000	18	201180	201237	210179
PA722_0800	80.00	12	47	108	10.00	14	201169	201231	210160	15	44	105	8.000	18	201179	201237	210181
PA722_1000	100.0	12	47	108	10.00	14	201169	201231	210160	12	47	108	10.00	18	201178	201236	210179
PA821_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	35	212628	212662	210165
PA821_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	25	201194	212662	210165
PA821_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	30	201195	212662	210165
PA821_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	35	201248	201244	210165
PA821_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	25	201192	201244	210165
PA821_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	30	201193	201244	210165
PA821_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	25	201190	201243	210165
PA821_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	30	201191	201243	210165
PA821_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	35	201247	201243	210165
PA821_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	25	201189	201242	210165
PA821_0080	8.000	–	–	–	–	–	–	–	–	15	44	105	8.000	25	201188	201242	210167
PA821_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	25	201187	201241	210165
PA822_0120	12.00	36	35	108	4.000	25	201184	201239	210179	54	26	108	3.000	35	212628	212662	210165
PA822_0120	12.00	36	35	108	4.000	18	201183	201239	210179	54	26	108	3.000	35	212628	212662	210165
PA822_0160	16.00	36	35	108	4.000	18	201183	201239	210179	36	35	108	4.000	35	201248	201244	210165
PA822_0160	16.00	36	35	108	4.000	25	201184	201239	210179	36	35	108	4.000	35	201248	201244	210165
PA822_0200	20.00	36	35	108	4.000	18	201183	201239	210179	27	40	108	5.000	35	201247	201243	210165
PA822_0200	20.00	36	35	108	4.000	25	201184	201239	210179	27	40	108	5.000	35	201247	201243	210165
PA822_0250	25.00	27	40	108	5.000	18	201181	201238	210179	27	40	108	5.000	35	201247	201243	210165
PA822_0250	25.00	27	40	108	5.000	25	201182	201238	210179	27	40	108	5.000	35	201247	201243	210165
PA822_0280	28.00	18	44	108	7.000	18	201180	201237	210179	36	35	108	4.000	35	201248	201244	210165
PA822_0320	32.00	36	35	108	4.000	18	201183	201239	210179	15	44	105	8.000	25	201188	201242	210167
PA822_0320	32.00	36	35	108	4.000	25	201184	201239	210179	15	44	105	8.000	25	201188	201242	210167
PA822_0350	35.00	18	44	108	7.000	18	201180	201237	210179	27	40	108	5.000	35	201247	201243	210165
PA822_0400	40.00	12	47	108	10.00	18	201178	201236	210179	36	35	108	4.000	35	201248	201244	210165
PA822_0500	50.00	12	47	108	10.00	18	201178	201236	210179	27	40	108	5.000	35	201247	201243	210165
PA822_0560	56.00	18	44	108	7.000	18	201180	201237	210179	15	44	105	8.000	25	201188	201242	210167
PA822_0700	70.00	12	47	108	10.00	18	201178	201236	210179	18	44	108	7.000	25	201189	201242	210165
PA822_0800	80.00	12	47	108	10.00	18	201178	201236	210179	15	44	105	8.000	25	201188	201242	210167
PA822_1000	100.0	12	47	108	10.00	18	201178	201236	210179	12	47	108	10.00	25	201187	201241	210165

15 Gearset list planetary gear units PH (G2)

Type	i_{tot}	Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
PH321_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	9	214100	201198	212340
PH321_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	11	212603	201198	212340
PH321_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	9	214601	201197	212340
PH321_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	9	214603	201196	212340
PH322_0200	20.00	36	35	108	4.000	9	205633	205628	209453	27	40	108	5.000	11	212603	201198	212340
PH322_0250	25.00	27	40	108	5.000	9	205635	205629	209453	27	40	108	5.000	11	212603	201198	212340
PH322_0280	28.00	36	35	108	4.000	9	205633	205628	209453	18	44	108	7.000	9	214601	201197	212340
PH322_0350	35.00	18	44	108	7.000	9	215785	205630	209453	27	40	108	5.000	11	212603	201198	212340
PH322_0400	40.00	36	35	108	4.000	9	205633	205628	209453	12	47	108	10.00	9	214603	201196	212340
PH322_0500	50.00	12	47	108	10.00	9	215787	205631	209453	27	40	108	5.000	11	212603	201198	212340
PH322_0700	70.00	12	47	108	10.00	9	215787	205631	209453	18	44	108	7.000	9	214601	201197	212340
PH322_1000	100.0	12	47	108	10.00	9	215787	205631	209453	12	47	108	10.00	9	214603	201196	212340
PH421_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	14	201166	201204	212342
PH421_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	11	201165	201204	212342
PH421_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	11	201163	201203	212342
PH421_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	14	201164	201203	212342
PH421_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	11	201162	201202	212342
PH421_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	14	212610	201202	212342
PH421_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	11	201160	201201	212342
PH421_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	212612	201201	212342
PH422_0160	16.00	36	35	108	4.000	11	212602	201199	209455	36	35	108	4.000	14	201166	201204	212342
PH422_0160	16.00	36	35	108	4.000	9	214092	201199	209455	36	35	108	4.000	14	201166	201204	212342
PH422_0200	20.00	36	35	108	4.000	11	212602	201199	209455	27	40	108	5.000	14	201164	201203	212342
PH422_0200	20.00	36	35	108	4.000	9	214092	201199	209455	27	40	108	5.000	14	201164	201203	212342
PH422_0250	25.00	27	40	108	5.000	11	212603	201198	209455	27	40	108	5.000	14	201164	201203	212342
PH422_0250	25.00	27	40	108	5.000	9	214100	201198	209455	27	40	108	5.000	14	201164	201203	212342
PH422_0280	28.00	18	44	108	7.000	9	214601	201197	209455	36	35	108	4.000	14	201166	201204	212342
PH422_0350	35.00	18	44	108	7.000	9	214601	201197	209455	27	40	108	5.000	14	201164	201203	212342
PH422_0400	40.00	12	47	108	10.00	9	214603	201196	209455	36	35	108	4.000	14	201166	201204	212342
PH422_0500	50.00	12	47	108	10.00	9	214603	201196	209455	27	40	108	5.000	14	201164	201203	212342
PH422_0700	70.00	12	47	108	10.00	9	214603	201196	209455	18	44	108	7.000	14	212610	201202	212342
PH422_1000	100.0	12	47	108	10.00	9	214603	201196	209455	12	47	108	10.00	14	212612	201201	212342
PH521_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	14	201174	201209	212344
PH521_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	18	201175	201209	212344
PH521_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	14	201172	201208	212344
PH521_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	18	201173	201208	212344
PH521_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	14	201171	201207	212344
PH521_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	201169	201206	212344
PH522_0160	16.00	36	35	108	4.000	11	201165	201204	210170	36	35	108	4.000	18	201175	201209	212344
PH522_0160	16.00	36	35	108	4.000	14	201166	201204	210170	36	35	108	4.000	18	201175	201209	212344
PH522_0200	20.00	36	35	108	4.000	11	201165	201204	210170	27	40	108	5.000	18	201173	201208	212344
PH522_0200	20.00	36	35	108	4.000	14	201166	201204	210170	27	40	108	5.000	18	201173	201208	212344
PH522_0250	25.00	27	40	108	5.000	11	201163	201203	210170	27	40	108	5.000	18	201173	201208	212344
PH522_0250	25.00	27	40	108	5.000	14	201164	201203	210170	27	40	108	5.000	18	201173	201208	212344
PH522_0280	28.00	18	44	108	7.000	11	201162	201202	210170	36	35	108	4.000	18	201175	201209	212344
PH522_0280	28.00	18	44	108	7.000	14	212610	201202	210170	36	35	108	4.000	18	201175	201209	212344
PH522_0350	35.00	18	44	108	7.000	14	212610	201202	210170	27	40	108	5.000	18	201173	201208	212344
PH522_0350	35.00	18	44	108	7.000	11	201162	201202	210170	27	40	108	5.000	18	201173	201208	212344
PH522_0400	40.00	12	47	108	10.00	11	201160	201201	210170	36	35	108	4.000	18	201175	201209	212344
PH522_0400	40.00	12	47	108	10.00	14	212612	201201	210170	36	35	108	4.000	18	201175	201209	212344
PH522_0500	50.00	12	47	108	10.00	11	201160	201201	210170	27	40	108	5.000	18	201173	201208	212344
PH522_0500	50.00	12	47	108	10.00	14	212612	201201	210170	27	40	108	5.000	18	201173	201208	212344
PH522_0700	70.00	12	47	108	10.00	11	201160	201201	210170	18	44	108	7.000	14	201171	201207	212344
PH522_0700	70.00	12	47	108	10.00	14	212612	201201	210170	18	44	108	7.000	14	201171	201207	212344
PH522_1000	100.0	12	47	108	10.00	11	201160	201201	210170	12	47	108	10.00	14	201169	201206	212344
PH522_1000	100.0	12	47	108	10.00	14	212612	201201	210170	12	47	108	10.00	14	201169	201206	212344
PH721_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	25	201184	201214	206862
PH721_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	18	201183	201214	206862
PH721_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	18	201181	201213	206862
PH721_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	25	201182	201213	206862
PH721_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	18	201180	201212	206862
PH721_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	18	201178	201211	206862
PH722_0160	16.00	36	35	108	4.000	14	201174	201209	210159	36	35	108	4.000	25	201184	201214	206862
PH722_0160	16.00	36	35	108	4.000	18	201175	201209	210159	36	35	108	4.000	25	201184	201214	206862
PH722_0200	20.00	36	35	108	4.000	14	201174	201209	210159	27	40	108	5.000	25	201182	201213	206862
PH722_0200	20.00	36	35	108	4.000	18	201175	201209	210159	27	40	108	5.000	25	201182	201213	206862
PH722_0250	25.00	27	40	108	5.000	14	201172	201208	210159	27	40	108	5.000	25	201182	201213	206862
PH722_0250	25.00	27	40	108	5.000	18	201173	201208	210159	27	40	108	5.000	25	201182	201213	206862
PH722_0280	28.00	18	44	108	7.000	14	201171	201207	210159	36	35	108	4.000	25	201184	201214	206862
PH722_0350	35.00	18	44	108	7.000	14	201171	201207	210159	27	40	108	5.000	25	201182	201213	206862
PH722_0400	40.00	12	47	108	10.00	14	201169	201206	210159	36	35	108	4.000	25	201184	201214	206862
PH722_0500	50.00	12	47	108	10.00	14	201169	201206	210159	27	40	108	5.000	25	201182	201213	206862
PH722_0700	70.00	12	47	108	10.00	14	201169	201206	210159	18	44	108	7.000	18	201180	201212	206862
PH722_1000	100.0	12	47	108	10.00	14	201169	201206	210159	12	47	108	10.00	18	201178	201211	206862
PH821_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	25	201192	201219	206863

Type	i_{tot}	Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
PH821_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	30	201193	201219	206863
PH821_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	35	201248	201219	206863
PH821_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	25	201190	201218	206863
PH821_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	30	201191	201218	206863
PH821_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	35	201247	201218	206863
PH821_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	25	201189	201217	206863
PH821_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	25	201187	201216	206863
PH822_0160	16.00	36	35	108	4.000	18	201183	201214	210178	36	35	108	4.000	35	201248	201219	206863
PH822_0160	16.00	36	35	108	4.000	25	201184	201214	210178	36	35	108	4.000	35	201248	201219	206863
PH822_0200	20.00	36	35	108	4.000	18	201183	201214	210178	27	40	108	5.000	35	201247	201218	206863
PH822_0200	20.00	36	35	108	4.000	25	201184	201214	210178	27	40	108	5.000	35	201247	201218	206863
PH822_0250	25.00	27	40	108	5.000	18	201181	201213	210178	27	40	108	5.000	35	201247	201218	206863
PH822_0250	25.00	27	40	108	5.000	25	201182	201213	210178	27	40	108	5.000	35	201247	201218	206863
PH822_0280	28.00	18	44	108	7.000	18	201180	201212	210178	36	35	108	4.000	35	201248	201219	206863
PH822_0350	35.00	18	44	108	7.000	18	201180	201212	210178	27	40	108	5.000	35	201247	201218	206863
PH822_0400	40.00	12	47	108	10.00	18	201178	201211	210178	36	35	108	4.000	35	201248	201219	206863
PH822_0500	50.00	12	47	108	10.00	18	201178	201211	210178	27	40	108	5.000	35	201247	201218	206863
PH822_0700	70.00	12	47	108	10.00	18	201178	201211	210178	18	44	108	7.000	25	201189	201217	206863
PH822_1000	100.0	12	47	108	10.00	18	201178	201211	210178	12	47	108	10.00	25	201187	201216	206863

16 Gearset list planetary gear units PHA (G2)

Type	i_{tot}	Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
PHA321_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	9	214100	201223	212341
PHA321_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	11	212603	201223	212341
PHA321_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	9	214601	201222	212341
PHA321_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	9	214603	201221	212341
PHA322_0200	20.00	36	35	108	4.000	9	205633	205628	209453	27	40	108	5.000	11	212603	201223	212341
PHA322_0250	25.00	27	40	108	5.000	9	205635	205629	209453	27	40	108	5.000	11	212603	201223	212341
PHA322_0280	28.00	36	35	108	4.000	9	205633	205628	209453	18	44	108	7.000	9	214601	201222	212341
PHA322_0350	35.00	18	44	108	7.000	9	215785	205630	209453	27	40	108	5.000	11	212603	201223	212341
PHA322_0400	40.00	36	35	108	4.000	9	205633	205628	209453	12	47	108	10.00	9	214603	201221	212341
PHA322_0500	50.00	12	47	108	10.00	9	215787	205631	209453	27	40	108	5.000	11	212603	201223	212341
PHA322_0700	70.00	12	47	108	10.00	9	215787	205631	209453	18	44	108	7.000	9	214601	201222	212341
PHA322_1000	100.0	12	47	108	10.00	9	215787	205631	209453	12	47	108	10.00	9	214603	201221	212341
PHA421_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	14	201166	201229	212343
PHA421_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	11	201165	201229	212343
PHA421_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	11	201163	201228	212343
PHA421_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	14	201164	201228	212343
PHA421_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	11	201162	201227	212343
PHA421_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	14	212610	201227	212343
PHA421_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	11	201160	201226	212343
PHA421_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	212612	201226	212343
PHA422_0160	16.00	36	35	108	4.000	11	212602	201224	210177	36	35	108	4.000	14	201166	201229	212343
PHA422_0160	16.00	36	35	108	4.000	9	214092	201224	210177	36	35	108	4.000	14	201166	201229	212343
PHA422_0200	20.00	36	35	108	4.000	11	212602	201224	210177	27	40	108	5.000	14	201164	201228	212343
PHA422_0200	20.00	36	35	108	4.000	9	214092	201224	210177	27	40	108	5.000	14	201164	201228	212343
PHA422_0250	25.00	27	40	108	5.000	11	212603	201223	210177	27	40	108	5.000	14	201164	201228	212343
PHA422_0250	25.00	27	40	108	5.000	9	214100	201223	210177	27	40	108	5.000	14	201164	201228	212343
PHA422_0280	28.00	18	44	108	7.000	9	214601	201222	210177	36	35	108	4.000	14	201166	201229	212343
PHA422_0350	35.00	18	44	108	7.000	9	214601	201222	210177	27	40	108	5.000	14	201164	201228	212343
PHA422_0400	40.00	12	47	108	10.00	9	214603	201221	210177	36	35	108	4.000	14	201166	201229	212343
PHA422_0500	50.00	12	47	108	10.00	9	214603	201221	210177	27	40	108	5.000	14	201164	201228	212343
PHA422_0700	70.00	12	47	108	10.00	9	214603	201221	210177	18	44	108	7.000	14	212610	201227	212343
PHA422_1000	100.0	12	47	108	10.00	9	214603	201221	210177	12	47	108	10.00	14	212612	201226	212343
PHA521_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	14	201174	201234	212345
PHA521_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	18	201175	201234	212345
PHA521_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	14	201172	201233	212345
PHA521_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	18	201173	201233	212345
PHA521_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	14	201171	201232	212345
PHA521_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	201169	201231	212345
PHA522_0160	16.00	36	35	108	4.000	11	201165	201229	210171	36	35	108	4.000	18	201175	201234	212345
PHA522_0160	16.00	36	35	108	4.000	14	201166	201229	210171	36	35	108	4.000	18	201175	201234	212345
PHA522_0200	20.00	36	35	108	4.000	14	201166	201229	210171	27	40	108	5.000	18	201173	201233	212345
PHA522_0200	20.00	36	35	108	4.000	11	201165	201229	210171	27	40	108	5.000	18	201173	201233	212345
PHA522_0250	25.00	27	40	108	5.000	11	201163	201228	210171	27	40	108	5.000	18	201173	201233	212345
PHA522_0250	25.00	27	40	108	5.000	14	201164	201228	210171	27	40	108	5.000	18	201173	201233	212345
PHA522_0280	28.00	18	44	108	7.000	11	201162	201227	210171	36	35	108	4.000	18	201175	201234	212345
PHA522_0280	28.00	18	44	108	7.000	14	212610	201227	210171	36	35	108	4.000	18	201175	201234	212345
PHA522_0350	35.00	18	44	108	7.000	11	201162	201227	210171	27	40	108	5.000	18	201173	201233	212345
PHA522_0350	35.00	18	44	108	7.000	14	212610	201227	210171	27	40	108	5.000	18	201173	201233	212345
PHA522_0400	40.00	12	47	108	10.00	11	201160	201226	210171	36	35	108	4.000	18	201175	201234	212345
PHA522_0400	40.00	12	47	108	10.00	14	212612	201226	210171	36	35	108	4.000	18	201175	201234	212345
PHA522_0500	50.00	12	47	108	10.00	11	201160	201226	210171	27	40	108	5.000	18	201173	201233	212345
PHA522_0500	50.00	12	47	108	10.00	14	212612	201226	210171	27	40	108	5.000	18	201173	201233	212345
PHA522_0700	70.00	12	47	108	10.00	11	201160	201226	210171	18	44	108	7.000	14	201171	201232	212345
PHA522_0700	70.00	12	47	108	10.00	14	212612	201226	210171	18	44	108	7.000	14	201171	201232	212345
PHA522_1000	100.0	12	47	108	10.00	11	201160	201226	210171	12	47	108	10.00	14	201169	201231	212345
PHA522_1000	100.0	12	47	108	10.00	14	212612	201226	210171	12	47	108	10.00	14	201169	201231	212345
PHA721_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	25	201184	201239	206448
PHA721_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	18	201183	201239	206448
PHA721_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	18	201181	201238	206448
PHA721_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	25	201182	201238	206448
PHA721_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	18	201180	201237	206448
PHA721_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	18	201178	201236	206448
PHA722_0160	16.00	36	35	108	4.000	14	201174	201234	210160	36	35	108	4.000	25	201184	201239	206448
PHA722_0160	16.00	36	35	108	4.000	18	201175	201234	210160	36	35	108	4.000	25	201184	201239	206448
PHA722_0200	20.00	36	35	108	4.000	14	201174	201234	210160	27	40	108	5.000	25	201182	201238	206448
PHA722_0200	20.00	36	35	108	4.000	18	201175	201234	210160	27	40	108	5.000	25	201182	201238	206448
PHA722_0250	25.00	27	40	108	5.000	14	201172	201233	210160	27	40	108	5.000	25	201182	201238	206448
PHA722_0250	25.00	27	40	108	5.000	18	201173	201233	210160	27	40	108	5.000	25	201182	201238	206448
PHA722_0280	28.00	18	44	108	7.000	14	201171	201232	210160	36	35	108	4.000	25	201184	201239	206448
PHA722_0350	35.00	18	44	108	7.000	14	201171	201232	210160	27	40	108	5.000	25	201182	201238	206448
PHA722_0400	40.00	12	47	108	10.00	14	201169	201231	210160	36	35	108	4.000	25	201184	201239	206448
PHA722_0500	50.00	12	47	108	10.00	14	201169	201231	210160	27	40	108	5.000	25	201182	201238	206448
PHA722_0700	70.00	12	47	108	10.00	14	201169	201231	210160	18	44	108	7.000	18	201180	201237	206448
PHA722_1000	100.0	12	47	108	10.00	14	201169	201231	210160	12	47	108	10.00	18	201178	201236	206448
PHA821_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	25	201192	201244	206445

Type	i_{tot}	Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
PHA821_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	30	201193	201244	206445
PHA821_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	35	201248	201244	206445
PHA821_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	25	201190	201243	206445
PHA821_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	30	201191	201243	206445
PHA821_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	35	201247	201243	206445
PHA821_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	25	201189	201242	206445
PHA821_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	25	201187	201241	206445
PHA822_0160	16.00	36	35	108	4.000	25	201184	201239	210179	36	35	108	4.000	35	201248	201244	206445
PHA822_0160	16.00	36	35	108	4.000	18	201183	201239	210179	36	35	108	4.000	35	201248	201244	206445
PHA822_0200	20.00	36	35	108	4.000	25	201184	201239	210179	27	40	108	5.000	35	201247	201243	206445
PHA822_0200	20.00	36	35	108	4.000	18	201183	201239	210179	27	40	108	5.000	35	201247	201243	206445
PHA822_0250	25.00	27	40	108	5.000	18	201181	201238	210179	27	40	108	5.000	35	201247	201243	206445
PHA822_0250	25.00	27	40	108	5.000	25	201182	201238	210179	27	40	108	5.000	35	201247	201243	206445
PHA822_0280	28.00	18	44	108	7.000	18	201180	201237	210179	36	35	108	4.000	35	201248	201244	206445
PHA822_0350	35.00	18	44	108	7.000	18	201180	201237	210179	27	40	108	5.000	35	201247	201243	206445
PHA822_0400	40.00	12	47	108	10.00	18	201178	201236	210179	36	35	108	4.000	35	201248	201244	206445
PHA822_0500	50.00	12	47	108	10.00	18	201178	201236	210179	27	40	108	5.000	35	201247	201243	206445
PHA822_0700	70.00	12	47	108	10.00	18	201178	201236	210179	18	44	108	7.000	25	201189	201242	206445
PHA822_1000	100.0	12	47	108	10.00	18	201178	201236	210179	12	47	108	10.00	25	201187	201241	206445
PHA932_0120	12.00	54	26	108	3.000	25	201194	212662	210165	30	30	90	4.000	50	206691	206829	206832
PHA932_0120	12.00	54	26	108	3.000	30	201195	212662	210165	30	30	90	4.000	50	206691	206829	206832
PHA932_0160	16.00	36	35	108	4.000	30	201193	201244	210165	30	30	90	4.000	50	206691	206829	206832
PHA932_0160	16.00	36	35	108	4.000	25	201192	201244	210165	30	30	90	4.000	50	206691	206829	206832
PHA932_0180	18.00	54	26	108	3.000	25	201194	212662	210165	18	36	90	6.000	50	208028	206828	206832
PHA932_0180	18.00	54	26	108	3.000	30	201195	212662	210165	18	36	90	6.000	50	208028	206828	206832
PHA932_0200	20.00	27	40	108	5.000	25	201190	201243	210165	30	30	90	4.000	50	206691	206829	206832
PHA932_0200	20.00	27	40	108	5.000	30	201191	201243	210165	30	30	90	4.000	50	206691	206829	206832
PHA932_0240	24.00	36	35	108	4.000	25	201192	201244	210165	18	36	90	6.000	50	208028	206828	206832
PHA932_0240	24.00	36	35	108	4.000	30	201193	201244	210165	18	36	90	6.000	50	208028	206828	206832
PHA932_0280	28.00	18	44	108	7.000	25	201189	201242	210165	30	30	90	4.000	50	206691	206829	206832
PHA932_0300	30.00	27	40	108	5.000	25	201190	201243	210165	18	36	90	6.000	50	208028	206828	206832
PHA932_0300	30.00	27	40	108	5.000	30	201191	201243	210165	18	36	90	6.000	50	208028	206828	206832
PHA932_0320	32.00	15	44	105	8.000	25	201188	201242	210167	30	30	90	4.000	50	206691	206829	206832
PHA932_0400	40.00	12	47	108	10.00	25	201187	201241	210165	30	30	90	4.000	50	206691	206829	206832
PHA932_0420	42.00	18	44	108	7.000	25	201189	201242	210165	18	36	90	6.000	50	208028	206828	206832
PHA932_0480	48.00	15	44	105	8.000	25	201188	201242	210167	18	36	90	6.000	50	208028	206828	206832
PHA932_0600	60.00	12	47	108	10.00	25	201187	201241	210165	18	36	90	6.000	50	208028	206828	206832

17 Gearset list planetary gear units PHQ (G2)

Type	i_{tot}	Pre stage								Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
PHQ421_0055	5.500	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	24	41	108	5.500	14	209561	209562	209575
PHQ422_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	11	212602	201199	209455	24	41	108	5.500	14	209561	209562	209575
PHQ422_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	9	214092	201199	209455	24	41	108	5.500	14	209561	209562	209575
PHQ422_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	11	212603	201198	209455	24	41	108	5.500	14	209561	209562	209575
PHQ422_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	9	214100	201198	209455	24	41	108	5.500	14	209561	209562	209575
PHQ422_0390	38.50	–	–	–	–	–	–	–	–	18	44	108	7.000	9	214601	201197	209455	24	41	108	5.500	14	209561	209562	209575
PHQ422_0550	55.00	–	–	–	–	–	–	–	–	12	47	108	10.00	9	214603	201196	209455	24	41	108	5.500	14	209561	209562	209575
PHQ521_0055	5.500	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	24	41	108	5.500	18	209594	209595	212344
PHQ522_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	11	201165	201204	210170	24	41	108	5.500	18	209594	209595	212344
PHQ522_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	14	201166	201204	210170	24	41	108	5.500	18	209594	209595	212344
PHQ522_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	11	201163	201203	210170	24	41	108	5.500	18	209594	209595	212344
PHQ522_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	14	201164	201203	210170	24	41	108	5.500	18	209594	209595	212344
PHQ522_0390	38.50	–	–	–	–	–	–	–	–	18	44	108	7.000	14	212610	201202	210170	24	41	108	5.500	18	209594	209595	212344
PHQ522_0390	38.50	–	–	–	–	–	–	–	–	18	44	108	7.000	11	201162	201202	210170	24	41	108	5.500	18	209594	209595	212344
PHQ522_0550	55.00	–	–	–	–	–	–	–	–	12	47	108	10.00	11	201160	201201	210170	24	41	108	5.500	18	209594	209595	212344
PHQ522_0550	55.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	212612	201201	210170	24	41	108	5.500	18	209594	209595	212344
PHQ721_0055	5.500	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	24	41	108	5.500	25	206188	206189	206862
PHQ722_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	14	201174	201209	210159	24	41	108	5.500	25	206188	206189	206862
PHQ722_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	18	201175	201209	210159	24	41	108	5.500	25	206188	206189	206862
PHQ722_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	14	201172	201208	210159	24	41	108	5.500	25	206188	206189	206862
PHQ722_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	18	201173	201208	210159	24	41	108	5.500	25	206188	206189	206862
PHQ722_0390	38.50	–	–	–	–	–	–	–	–	18	44	108	7.000	14	201171	201207	210159	24	41	108	5.500	25	206188	206189	206862
PHQ722_0550	55.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	201169	201206	210159	24	41	108	5.500	25	206188	206189	206862
PHQ723_0880	88.00	36	35	108	4.000	11	201165	201204	210170	36	35	108	4.000	18	201175	201209	210159	24	41	108	5.500	25	206188	206189	206862
PHQ723_0880	88.00	36	35	108	4.000	14	201166	201204	210170	36	35	108	4.000	18	201175	201209	210159	24	41	108	5.500	25	206188	206189	206862
PHQ723_1100	110.0	36	35	108	4.000	11	201165	201204	210170	27	40	108	5.000	18	201173	201208	210159	24	41	108	5.500	25	206188	206189	206862
PHQ723_1100	110.0	36	35	108	4.000	14	201166	201204	210170	27	40	108	5.000	18	201173	201208	210159	24	41	108	5.500	25	206188	206189	206862
PHQ723_1380	137.5	27	40	108	5.000	11	201163	201203	210170	27	40	108	5.000	18	201173	201208	210159	24	41	108	5.500	25	206188	206189	206862
PHQ723_1380	137.5	27	40	108	5.000	14	201164	201203	210170	27	40	108	5.000	18	201173	201208	210159	24	41	108	5.500	25	206188	206189	206862
PHQ723_1540	154.0	18	44	108	7.000	14	212610	201202	210170	36	35	108	4.000	18	201175	201209	210159	24	41	108	5.500	25	206188	206189	206862
PHQ723_1540	154.0	18	44	108	7.000	11	201162	201202	210170	36	35	108	4.000	18	201175	201209	210159	24	41	108	5.500	25	206188	206189	206862
PHQ723_1930	192.5	18	44	108	7.000	11	201162	201202	210170	27	40	108	5.000	18	201173	201208	210159	24	41	108	5.500	25	206188	206189	206862
PHQ723_1930	192.5	18	44	108	7.000	14	212610	201202	210170	27	40	108	5.000	18	201173	201208	210159	24	41	108	5.500	25	206188	206189	206862
PHQ723_2200	220.0	12	47	108	10.00	11	201160	201201	210170	36	35	108	4.000	18	201175	201209	210159	24	41	108	5.500	25	206188	206189	206862
PHQ723_2200	220.0	12	47	108	10.00	14	212612	201201	210170	36	35	108	4.000	18	201175	201209	210159	24	41	108	5.500	25	206188	206189	206862
PHQ723_2750	275.0	12	47	108	10.00	11	201160	201201	210170	27	40	108	5.000	18	201173	201208	210159	24	41	108	5.500	25	206188	206189	206862
PHQ723_2750	275.0	12	47	108	10.00	14	212612	201201	210170	27	40	108	5.000	18	201173	201208	210159	24	41	108	5.500	25	206188	206189	206862
PHQ723_3850	385.0	12	47	108	10.00	11	201160	201201	210170	18	44	108	7.000	14	201171	201207	210159	24	41	108	5.500	25	206188	206189	206862
PHQ723_5500	550.0	12	47	108	10.00	11	201160	201201	210170	12	47	108	10.00	14	201169	201206	210159	24	41	108	5.500	25	206188	206189	206862
PHQ821_0055	5.500	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	24	41	108	5.500	35	208020	206864	206863
PHQ822_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	18	201183	201214	210178	24	41	108	5.500	35	208020	206864	206863
PHQ822_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	25	201184	201214	210178	24	41	108	5.500	35	208020	206864	206863
PHQ822_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	18	201181	201213	210178	24	41	108	5.500	35	208020	206864	206863
PHQ822_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	25	201182	201213	210178	24	41	108	5.500	35	208020	206864	206863
PHQ822_0390	38.50	–	–	–	–	–	–	–	–	18	44	108	7.000	18	201180	201212	210178	24	41	108	5.500	35	208020	206864	206863
PHQ822_0550	55.00	–	–	–	–	–	–	–	–	12	47	108	10.00	18	201178	201211	210178	24	41	108	5.500	35	208020	206864	206863
PHQ823_0880	88.00	36	35	108	4.000	14	201174	201209	210159	36	35	108	4.000	25	201184	201214	210178	24	41	108	5.500	35	208020	206864	206863
PHQ823_0880	88.00	36	35	108	4.000	18	201175	201209	210159	36	35	108	4.000	25	201184	201214	210178	24	41	108	5.500	35	208020	206864	206863
PHQ823_1100	110.0	36	35	108	4.000	14	201174	201209	210159	27	40	108	5.000	25	201182	201213	210178	24	41	108	5.500	35	208020	206864	206863
PHQ823_1100	110.0	36	35	108	4.000	18	201175	201209	210159	27	40	108	5.000	25	201182	201213	210178	24	41	108	5.500	35	208020	206864	206863
PHQ823_1380	137.5	27	40	108	5.000	14	201172	201208	210159	27	40	108	5.000	25	201182	201213	210178	24	41	108	5.500	35	208020	206864	206863
PHQ823_1380	137.5	27	40	108	5.000	18	201173	201208	210159	27	40	108	5.000	25	201182	201213	210178	24	41	108	5.500	35	208020	206864	206863
PHQ823_1540	154.0	18	44	108	7.000	14	201171	201207	210159	36	35	108	4.000	25	201184	201214	210178	24	41	108	5.500	35	208020	206864	206863
PHQ823_1930	192.5	18	44	108	7.000	14	201171	201207	210159	27	40	108	5.000	25	201182	201213	210178	24	41	108	5.500	35	208020	206864	206863
PHQ823_2200	220.0	12	47	108	10.00	14	201169	201206	210159	36	35	108	4.000	25	201184	201214	210178	24	41	108	5.500	35	208020	206864	206863
PHQ823_2750	275.0	12	47	108	10.00	14	201169	201206	210159	27	40	108	5.000	25	201182	201213	210178	24	41	108	5.500	35	208020	206864	206863
PHQ823_3850	385.0	12	47	108	10.00	14	201169	201206	210159	18	44	108	7.000	18	201180	201212	210178	24	41	108	5.500	35	208020	206864	206863
PHQ823_5500	550.0	12	47	108	10.00	14	201169	201206	210159	12	47	108	10.00	18	201178	201211	210178	24	41	108	5.500	35	208020	206864	206863

18 Gearset list planetary gear units PHQA (G2)

Type	i_{tot}	Pre stage								Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
PHQA421_0055	5.500	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	24	41	108	5.500	14	209561	209562	209575
PHQA422_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	11	212602	201224	210177	24	41	108	5.500	14	209561	209562	209575
PHQA422_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	9	214092	201224	210177	24	41	108	5.500	14	209561	209562	209575
PHQA422_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	11	212603	201223	210177	24	41	108	5.500	14	209561	209562	209575
PHQA422_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	9	214100	201223	210177	24	41	108	5.500	14	209561	209562	209575
PHQA422_0390	38.50	–	–	–	–	–	–	–	–	18	44	108	7.000	9	214601	201222	210177	24	41	108	5.500	14	209561	209562	209575
PHQA422_0550	55.00	–	–	–	–	–	–	–	–	12	47	108	10.00	9	214603	201221	210177	24	41	108	5.500	14	209561	209562	209575
PHQA521_0055	5.500	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	24	41	108	5.500	18	209594	209596	212345
PHQA522_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	14	201166	201229	210171	24	41	108	5.500	18	209594	209596	212345
PHQA522_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	11	201165	201229	210171	24	41	108	5.500	18	209594	209596	212345
PHQA522_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	11	201163	201228	210171	24	41	108	5.500	18	209594	209596	212345
PHQA522_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	14	201164	201228	210171	24	41	108	5.500	18	209594	209596	212345
PHQA522_0390	38.50	–	–	–	–	–	–	–	–	18	44	108	7.000	11	201162	201227	210171	24	41	108	5.500	18	209594	209596	212345
PHQA522_0390	38.50	–	–	–	–	–	–	–	–	18	44	108	7.000	14	212610	201227	210171	24	41	108	5.500	18	209594	209596	212345
PHQA522_0550	55.00	–	–	–	–	–	–	–	–	12	47	108	10.00	11	201160	201226	210171	24	41	108	5.500	18	209594	209596	212345
PHQA522_0550	55.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	212612	201226	210171	24	41	108	5.500	18	209594	209596	212345
PHQA721_0055	5.500	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	24	41	108	5.500	25	206188	206241	206448
PHQA722_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	14	201174	201234	210160	24	41	108	5.500	25	206188	206241	206448
PHQA722_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	18	201175	201234	210160	24	41	108	5.500	25	206188	206241	206448
PHQA722_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	14	201172	201233	210160	24	41	108	5.500	25	206188	206241	206448
PHQA722_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	18	201173	201233	210160	24	41	108	5.500	25	206188	206241	206448
PHQA722_0390	38.50	–	–	–	–	–	–	–	–	18	44	108	7.000	14	201171	201232	210160	24	41	108	5.500	25	206188	206241	206448
PHQA722_0550	55.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	201169	201231	210160	24	41	108	5.500	25	206188	206241	206448
PHQA723_0880	88.00	36	35	108	4.000	11	201165	201229	210171	36	35	108	4.000	18	201175	201234	210160	24	41	108	5.500	25	206188	206241	206448
PHQA723_0880	88.00	36	35	108	4.000	14	201166	201229	210171	36	35	108	4.000	18	201175	201234	210160	24	41	108	5.500	25	206188	206241	206448
PHQA723_1100	110.0	36	35	108	4.000	11	201165	201229	210171	27	40	108	5.000	18	201173	201233	210160	24	41	108	5.500	25	206188	206241	206448
PHQA723_1100	110.0	36	35	108	4.000	14	201166	201229	210171	27	40	108	5.000	18	201173	201233	210160	24	41	108	5.500	25	206188	206241	206448
PHQA723_1380	137.5	27	40	108	5.000	11	201163	201228	210171	27	40	108	5.000	18	201173	201233	210160	24	41	108	5.500	25	206188	206241	206448
PHQA723_1380	137.5	27	40	108	5.000	14	201164	201228	210171	27	40	108	5.000	18	201173	201233	210160	24	41	108	5.500	25	206188	206241	206448
PHQA723_1540	154.0	18	44	108	7.000	11	201162	201227	210171	36	35	108	4.000	18	201175	201234	210160	24	41	108	5.500	25	206188	206241	206448
PHQA723_1540	154.0	18	44	108	7.000	14	212610	201227	210171	36	35	108	4.000	18	201175	201234	210160	24	41	108	5.500	25	206188	206241	206448
PHQA723_1930	192.5	18	44	108	7.000	14	212610	201227	210171	27	40	108	5.000	18	201173	201233	210160	24	41	108	5.500	25	206188	206241	206448
PHQA723_1930	192.5	18	44	108	7.000	11	201162	201227	210171	27	40	108	5.000	18	201173	201233	210160	24	41	108	5.500	25	206188	206241	206448
PHQA723_2200	220.0	12	47	108	10.00	11	201160	201226	210171	36	35	108	4.000	18	201175	201234	210160	24	41	108	5.500	25	206188	206241	206448
PHQA723_2200	220.0	12	47	108	10.00	14	212612	201226	210171	36	35	108	4.000	18	201175	201234	210160	24	41	108	5.500	25	206188	206241	206448
PHQA723_2750	275.0	12	47	108	10.00	11	201160	201226	210171	27	40	108	5.000	18	201173	201233	210160	24	41	108	5.500	25	206188	206241	206448
PHQA723_2750	275.0	12	47	108	10.00	14	212612	201226	210171	27	40	108	5.000	18	201173	201233	210160	24	41	108	5.500	25	206188	206241	206448
PHQA723_3850	385.0	12	47	108	10.00	11	201160	201226	210171	18	44	108	7.000	14	201171	201232	210160	24	41	108	5.500	25	206188	206241	206448
PHQA723_5500	550.0	12	47	108	10.00	11	201160	201226	210171	12	47	108	10.00	14	201169	201231	210160	24	41	108	5.500	25	206188	206241	206448
PHQA821_0055	5.500	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	24	41	108	5.500	35	208020	206443	206445
PHQA822_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	25	201184	201239	210179	24	41	108	5.500	35	208020	206443	206445
PHQA822_0220	22.00	–	–	–	–	–	–	–	–	36	35	108	4.000	18	201183	201239	210179	24	41	108	5.500	35	208020	206443	206445
PHQA822_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	18	201181	201238	210179	24	41	108	5.500	35	208020	206443	206445
PHQA822_0280	27.50	–	–	–	–	–	–	–	–	27	40	108	5.000	25	201182	201238	210179	24	41	108	5.500	35	208020	206443	206445
PHQA822_0390	38.50	–	–	–	–	–	–	–	–	18	44	108	7.000	18	201180	201237	210179	24	41	108	5.500	35	208020	206443	206445
PHQA822_0550	55.00	–	–	–	–	–	–	–	–	12	47	108	10.00	18	201178	201236	210179	24	41	108	5.500	35	208020	206443	206445
PHQA823_0880	88.00	36	35	108	4.000	14	201174	201234	210160	36	35	108	4.000	25	201184	201239	210179	24	41	108	5.500	35	208020	206443	206445
PHQA823_0880	88.00	36	35	108	4.000	18	201175	201234	210160	36	35	108	4.000	25	201184	201239	210179	24	41	108	5.500	35	208020	206443	206445
PHQA823_1100	110.0	36	35	108	4.000	14	201174	201234	210160	27	40	108	5.000	25	201182	201238	210179	24	41	108	5.500	35	208020	206443	206445
PHQA823_1100	110.0	36	35	108	4.000	18	201175	201234	210160	27	40	108	5.000	25	201182	201238	210179	24	41	108	5.500	35	208020	206443	206445
PHQA823_1380	137.5	27	40	108	5.000	14	201172	201233	210160	27	40	108	5.000	25	201182	201238	210179	24	41	108	5.500	35	208020	206443	206445
PHQA823_1380	137.5	27	40	108	5.000	18	201173	201233	210160	27	40	108	5.000	25	201182	201238	210179	24	41	108	5.500	35	208020	206443	206445
PHQA823_1540	154.0	18	44	108	7.000	14	201171	201232	210160	36	35	108	4.000	25	201184	201239	210179	24	41	108	5.500	35	208020	206443	206445
PHQA823_1930	192.5	18	44	108	7.000	14	201171	201232	210160	27	40	108	5.000	25	201182	201238	210179	24	41	108	5.500	35	208020	206443	206445
PHQA823_2200	220.0	12	47	108	10.00	14	201169	201231	210160	36	35	108	4.000	25	201184	201239	210179	24	41	108	5.500	35	208020	206443	206445
PHQA823_2750	275.0	12	47	108	10.00	14	201169	201231	210160	27	40	108	5.000	25	201182	201238	210179	24	41	108	5.500	35	208020	206443	206445
PHQA823_3850	385.0	12	47	108	10.00	14	201169	201231	210160	18	44	108	7.000	18	201180	201237	210179	24	41	108	5.500	35	208020	206443	206445
PHQA823_5500	550.0	12	47	108	10.00	14	201169	201231	210160	12	47	108	10.00	18	201178	201236	210179	24	41	108	5.500	35	208020	206443	206445
PHQA932_0180	18.00	–	–	–	–	–	–	–	–	54	26	108	3.000	25	201194	212662	210165	18	36	90	6.000	50	208028	206828	206832
PHQA932_0180	18.00	–	–	–	–	–	–	–	–	54	26	108	3.000	30	201195	212662	210165	18	36	90	6.000	50	208028	206828	206832
PHQA932_0180	18.00	–	–	–	–	–	–	–	–	54	26	108	3.000	35	212628	212662	210165	18	36	90	6.000	50	208028	206828	206832
PHQA932_0240	24.00	–	–	–	–	–	–	–	–	36	35	108	4.000	25	201192	201244	210165	18	36	90	6.000	50	208028	206828	206832
PHQA932_0240	24.00	–	–	–	–	–	–	–	–	36	35	108	4.000	35	201248	201244	210165	18	36	90	6.000	50	208028	206828	206832
PHQA932_0240	24.00	–	–	–	–	–	–	–	–	36	35	108	4.000	30	201193	201244	210165	18	36	90	6.000	50	208028	206828	206832
PHQA932_0300	30.00	–	–	–	–	–	–	–	–	27	40	108	5.000	25	201190	201243	210165	18	36	90	6.000	50	208028	206828	206832
PHQA932_0300	30.00	–	–	–	–	–	–	–	–	27	40	108	5.000	30	201191	201243	210165	18	36	90	6.000	50	208028	206828	206832
PHQA932_0300	30.00	–	–	–	–	–	–	–	–	27	40	108	5.000	35	201247	201243	210165	18	36	90	6.000	50	208028	206828	206832
PHQA932_0420	42.00	–	–	–	–	–	–	–	–	18	44	108	7.000	25	201189	201242	210165	18	36	90	6.000	50	208028	206828	206832
PHQA932_0600	60.00	–	–	–	–	–	–	–	–	12	47	108	10.00	25	201187	201241	210165	18	36	90	6.000	50	208028	206828	206832
PHQA933_0720	72.00	36	35	108	4.000	18	201183	201239	210179	54	26	108	3.000	35	212628	212662	210165	18	36	90	6.000	50	208028	206828	206832
PHQA933_0720	72.00	36	35	108	4.000	25	201184	201239	210179	54	26	108	3.000	35	212628	212662	210165	18	36	90	6.000	50	208028	206828	206832
PHQA933_0960	96.00	36	35	108	4.000	18	201183	201239	210179	36	35	108	4.000	35	201248	201244	210165	18	36	90	6.000	50	208028	206828	206832
PHQA933_0960	96.00	36	35	108	4.000	25	201184	201239	210179	36	35	108	4.000	35	201248	201244	210165	18	36	90	6.000	50	208028	206828	206832
PHQA933_1200	120.0	36	35	108	4.000	25	201184	201239	210179	27	40	108	5.000	35	201247	201243	210165	18	36	90	6.000	50	208028	206828	206832
PHQA933_1200	120.0	36	35	108	4.000	18	201183	201239	210179	27	40	108	5.000	35	201247	201243	210165	18	36	90	6.000	50	208028	206828	206832

Type		Pre stage								Input stage								Output stage							
	i_{tot}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
PHQA933_1500	150.0	27	40	108	5.000	18	201181	201238	210179	27	40	108	5.000	35	201247	201243	210165	18	36	90	6.000	50	208028	206828	206832
PHQA933_1500	150.0	27	40	108	5.000	25	201182	201238	210179	27	40	108	5.000	35	201247	201243	210165	18	36	90	6.000	50	208028	206828	206832
PHQA933_1680	168.0	18	44	108	7.000	18	201180	201237	210179	36	35	108	4.000	35	201248	201244	210165	18	36	90	6.000	50	208028	206828	206832
PHQA933_2100	210.0	18	44	108	7.000	18	201180	201237	210179	27	40	108	5.000	35	201247	201243	210165	18	36	90	6.000	50	208028	206828	206832
PHQA933_2400	240.0	12	47	108	10.00	18	201178	201236	210179	36	35	108	4.000	35	201248	201244	210165	18	36	90	6.000	50	208028	206828	206832
PHQA933_3000	300.0	12	47	108	10.00	18	201178	201236	210179	27	40	108	5.000	35	201247	201243	210165	18	36	90	6.000	50	208028	206828	206832
PHQA933_4200	420.0	12	47	108	10.00	18	201178	201236	210179	18	44	108	7.000	25	201189	201242	210165	18	36	90	6.000	50	208028	206828	206832
PHQA933_6000	600.0	12	47	108	10.00	18	201178	201236	210179	12	47	108	10.00	25	201187	201241	210165	18	36	90	6.000	50	208028	206828	206832

19 Gearset list planetary gear units PHVA (G2)

Type	i_{tot}	Pre stage								Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
PHVA933_0610	61.00	18	54	–	–	–	206844	206839	–	15	60	–	–	–	206848	206849	–	18	36	90	61.00	30	206815	206828	206832
PHVA933_0610	61.00	18	54	–	–	–	206843	206839	–	15	60	–	–	–	206848	206849	–	18	36	90	61.00	25	206815	206828	206832
PHVA933_0910	91.00	18	81	–	–	–	206858	206841	–	15	60	–	–	–	206848	206849	–	18	36	90	91.00	18	206815	206828	206832
PHVA933_1210	121.0	15	90	–	–	–	206846	206842	–	15	60	–	–	–	206848	206849	–	18	36	90	121.0	18	206815	206828	206832

20 Gearset list planetary gear units PE (G1)

Type	i_{tot}	Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
PE211_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	9	210346	210751	210538
PE211_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	7	210345	210751	210538
PE211_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	7	210347	210752	210538
PE211_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	9	210348	210752	210538
PE211_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	7	210349	210753	210538
PE211_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	7	210350	210754	210538
PE212_0160	16.00	36	35	108	4.000	7	210345	210751	210538	36	35	108	4.000	9	210346	210751	210538
PE212_0160	16.00	36	35	108	4.000	9	210346	210751	210538	36	35	108	4.000	9	210346	210751	210538
PE212_0200	20.00	36	35	108	4.000	7	210345	210751	210538	27	40	108	5.000	9	210348	210752	210538
PE212_0200	20.00	36	35	108	4.000	9	210346	210751	210538	27	40	108	5.000	9	210348	210752	210538
PE212_0250	25.00	27	40	108	5.000	9	210348	210752	210538	27	40	108	5.000	9	210348	210752	210538
PE212_0250	25.00	27	40	108	5.000	7	210347	210752	210538	27	40	108	5.000	9	210348	210752	210538
PE212_0280	28.00	18	44	108	7.000	7	210349	210753	210538	36	35	108	4.000	9	210346	210751	210538
PE212_0350	35.00	18	44	108	7.000	7	210349	210753	210538	27	40	108	5.000	9	210348	210752	210538
PE212_0400	40.00	12	47	108	10.00	7	210350	210754	210538	36	35	108	4.000	9	210346	210751	210538
PE212_0500	50.00	12	47	108	10.00	7	210350	210754	210538	27	40	108	5.000	9	210348	210752	210538
PE212_0700	70.00	12	47	108	10.00	7	210350	210754	210538	18	44	108	7.000	7	210349	210753	210538
PE212_1000	100.0	12	47	108	10.00	7	210350	210754	210538	12	47	108	10.00	7	210350	210754	210538
PE311_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	11	210258	210297	210367
PE311_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	9	210257	210297	210367
PE311_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	11	210260	210298	210367
PE311_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	9	210259	210298	210367
PE311_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	9	210262	210299	210367
PE311_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	11	210263	210299	210367
PE311_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	9	210265	210300	210367
PE311_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	9	210267	210301	210367
PE312_0120	12.00	54	26	108	3.000	11	210258	210297	210367	36	35	108	4.000	11	210261	210298	210368
PE312_0120	12.00	54	26	108	3.000	9	210257	210297	210367	36	35	108	4.000	11	210261	210298	210368
PE312_0150	15.00	54	26	108	3.000	11	210258	210297	210367	27	40	108	5.000	11	210264	210299	210368
PE312_0150	15.00	54	26	108	3.000	9	210257	210297	210367	27	40	108	5.000	11	210264	210299	210368
PE312_0160	16.00	36	35	108	4.000	11	210260	210298	210367	36	35	108	4.000	11	210261	210298	210368
PE312_0160	16.00	36	35	108	4.000	9	210259	210298	210367	36	35	108	4.000	11	210261	210298	210368
PE312_0200	20.00	27	40	108	5.000	11	210263	210299	210367	36	35	108	4.000	11	210261	210298	210368
PE312_0200	20.00	27	40	108	5.000	9	210262	210299	210367	36	35	108	4.000	11	210261	210298	210368
PE312_0250	25.00	27	40	108	5.000	9	210262	210299	210367	27	40	108	5.000	11	210264	210299	210368
PE312_0250	25.00	27	40	108	5.000	11	210263	210299	210367	27	40	108	5.000	11	210264	210299	210368
PE312_0280	28.00	18	44	108	7.000	9	210265	210300	210367	36	35	108	4.000	11	210261	210298	210368
PE312_0350	35.00	18	44	108	7.000	9	210265	210300	210367	27	40	108	5.000	11	210264	210299	210368
PE312_0400	40.00	12	47	108	10.00	9	210267	210301	210367	36	35	108	4.000	11	210261	210298	210368
PE312_0500	50.00	12	47	108	10.00	9	210267	210301	210367	27	40	108	5.000	11	210264	210299	210368
PE312_0700	70.00	12	47	108	10.00	9	210267	210301	210367	18	44	108	7.000	9	210266	210300	210368
PE312_1000	100.0	12	47	108	10.00	9	210267	210301	210367	12	47	108	10.00	9	210268	210301	210368
PE411_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	11	210269	210302	210358
PE411_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	14	210270	210302	210358
PE411_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	11	210271	210303	210358
PE411_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	14	210272	210303	210358
PE411_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	11	210274	210304	210358
PE411_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	14	210275	210304	210358
PE411_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	14	212977	210305	210358
PE411_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	11	210277	210305	210358
PE411_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	11	210279	210306	210358
PE411_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	212978	210306	210358
PE412_0120	12.00	54	26	108	3.000	11	210269	210302	210358	36	35	108	4.000	14	210273	210303	210359
PE412_0120	12.00	54	26	108	3.000	14	210270	210302	210358	36	35	108	4.000	14	210273	210303	210359
PE412_0150	15.00	54	26	108	3.000	11	210269	210302	210358	27	40	108	5.000	14	210276	210304	210359
PE412_0150	15.00	54	26	108	3.000	14	210270	210302	210358	27	40	108	5.000	14	210276	210304	210359
PE412_0160	16.00	36	35	108	4.000	11	210271	210303	210358	36	35	108	4.000	14	210273	210303	210359
PE412_0160	16.00	36	35	108	4.000	14	210272	210303	210358	36	35	108	4.000	14	210273	210303	210359
PE412_0200	20.00	27	40	108	5.000	11	210274	210304	210358	36	35	108	4.000	14	210273	210303	210359
PE412_0200	20.00	27	40	108	5.000	14	210275	210304	210358	36	35	108	4.000	14	210273	210303	210359
PE412_0250	25.00	27	40	108	5.000	11	210274	210304	210358	27	40	108	5.000	14	210276	210304	210359
PE412_0250	25.00	27	40	108	5.000	14	210275	210304	210358	27	40	108	5.000	14	210276	210304	210359
PE412_0280	28.00	18	44	108	7.000	14	212977	210305	210358	36	35	108	4.000	14	210273	210303	210359
PE412_0280	28.00	18	44	108	7.000	11	210277	210305	210358	36	35	108	4.000	14	210273	210303	210359
PE412_0350	35.00	18	44	108	7.000	11	210277	210305	210358	27	40	108	5.000	14	210276	210304	210359
PE412_0350	35.00	18	44	108	7.000	14	212977	210305	210358	27	40	108	5.000	14	210276	210304	210359
PE412_0400	40.00	12	47	108	10.00	11	210279	210306	210358	36	35	108	4.000	14	210273	210303	210359
PE412_0400	40.00	12	47	108	10.00	14	212978	210306	210358	36	35	108	4.000	14	210273	210303	210359
PE412_0500	50.00	12	47	108	10.00	11	210279	210306	210358	27	40	108	5.000	14	210276	210304	210359
PE412_0500	50.00	12	47	108	10.00	14	212978	210306	210358	27	40	108	5.000	14	210276	210304	210359
PE412_0700	70.00	12	47	108	10.00	11	210279	210306	210358	18	44	108	7.000	11	210278	210305	210359
PE412_0700	70.00	12	47	108	10.00	14	212978	210306	210358	18	44	108	7.000	11	210278	210305	210359
PE412_1000	100.0	12	47	108	10.00	11	210279	210306	210358	12	47	108	10.00	11	210280	210306	210359
PE412_1000	100.0	12	47	108	10.00	14	212978	210306	210358	12	47	108	10.00	11	210280	210306	210359
PE511_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	14	210281	210307	210363

Type	i_{tot}	Input stage								Output stage							
		z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}	z_{sun}	z_{pla}	z_{ring}	i	d_{zap}	ID_{sun}	ID_{pla}	ID_{ring}
PE511_0030	3.000	–	–	–	–	–	–	–	–	54	26	108	3.000	18	210282	210307	210363
PE511_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	14	210283	210308	210363
PE511_0040	4.000	–	–	–	–	–	–	–	–	36	35	108	4.000	18	210284	210308	210363
PE511_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	14	210286	210309	210363
PE511_0050	5.000	–	–	–	–	–	–	–	–	27	40	108	5.000	18	210287	210309	210363
PE511_0070	7.000	–	–	–	–	–	–	–	–	18	44	108	7.000	14	210289	210310	210363
PE511_0100	10.00	–	–	–	–	–	–	–	–	12	47	108	10.00	14	210291	210311	210363
PE512_0120	12.00	54	26	108	3.000	14	210281	210307	210363	36	35	108	4.000	18	210285	210308	210364
PE512_0120	12.00	54	26	108	3.000	18	210282	210307	210363	36	35	108	4.000	18	210285	210308	210364
PE512_0150	15.00	54	26	108	3.000	14	210281	210307	210363	27	40	108	5.000	18	210288	210309	210364
PE512_0150	15.00	54	26	108	3.000	18	210282	210307	210363	27	40	108	5.000	18	210288	210309	210364
PE512_0160	16.00	36	35	108	4.000	18	210284	210308	210363	36	35	108	4.000	18	210285	210308	210364
PE512_0160	16.00	36	35	108	4.000	14	210283	210308	210363	36	35	108	4.000	18	210285	210308	210364
PE512_0200	20.00	27	40	108	5.000	14	210286	210309	210363	36	35	108	4.000	18	210285	210308	210364
PE512_0200	20.00	27	40	108	5.000	18	210287	210309	210363	36	35	108	4.000	18	210285	210308	210364
PE512_0250	25.00	27	40	108	5.000	14	210286	210309	210363	27	40	108	5.000	18	210288	210309	210364
PE512_0250	25.00	27	40	108	5.000	18	210287	210309	210363	27	40	108	5.000	18	210288	210309	210364
PE512_0280	28.00	18	44	108	7.000	14	210289	210310	210363	36	35	108	4.000	18	210285	210308	210364
PE512_0350	35.00	18	44	108	7.000	14	210289	210310	210363	27	40	108	5.000	18	210288	210309	210364
PE512_0400	40.00	12	47	108	10.00	14	210291	210311	210363	36	35	108	4.000	18	210285	210308	210364
PE512_0500	50.00	12	47	108	10.00	14	210291	210311	210363	27	40	108	5.000	18	210288	210309	210364
PE512_0700	70.00	12	47	108	10.00	14	210291	210311	210363	18	44	108	7.000	14	210290	210310	210364
PE512_1000	100.0	12	47	108	10.00	14	210291	210311	210363	12	47	108	10.00	14	210292	210311	210364

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Type	i_{tot}	Øa	Pre stage						Input stage						Output stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
S002_0060	6.000	–	–	–	–	–	–	–	27	30	1.111	11	88726	96217	5	27	5.400	208042	96210
S002_0060	6.000	–	–	–	–	–	–	–	27	30	1.111	14	88727	96217	5	27	5.400	208042	96210
S002_0060	6.000	–	–	–	–	–	–	–	27	30	1.111	9	90505	96217	5	27	5.400	208042	96210
S002_0074	7.400	–	–	–	–	–	–	–	27	37	1.370	7	88707	96218	5	27	5.400	208042	96210
S002_0074	7.400	–	–	–	–	–	–	–	27	37	1.370	9	88708	96218	5	27	5.400	208042	96210
S002_0074	7.400	–	–	–	–	–	–	–	27	37	1.370	11	88709	96218	5	27	5.400	208042	96210
S002_0074	7.400	–	–	–	–	–	–	–	27	37	1.370	14	91228	96218	5	27	5.400	208042	96210
S002_0096	9.626	–	–	–	–	–	–	–	23	41	1.783	14	91229	96219	5	27	5.400	208042	96210
S002_0096	9.626	–	–	–	–	–	–	–	23	41	1.783	9	88705	96219	5	27	5.400	208042	96210
S002_0096	9.626	–	–	–	–	–	–	–	23	41	1.783	11	88706	96219	5	27	5.400	208042	96210
S002_0120	11.88	–	–	–	–	–	–	–	20	44	2.200	14	91230	96220	5	27	5.400	208042	96210
S002_0120	11.88	–	–	–	–	–	–	–	20	44	2.200	11	88703	96220	5	27	5.400	208042	96210
S002_0120	11.88	–	–	–	–	–	–	–	20	44	2.200	7	88701	96220	5	27	5.400	208042	96210
S002_0120	11.88	–	–	–	–	–	–	–	20	44	2.200	9	88702	96220	5	27	5.400	208042	96210
S002_0150	14.93	–	–	–	–	–	–	–	17	47	2.765	7	88699	96221	5	27	5.400	208042	96210
S002_0150	14.93	–	–	–	–	–	–	–	17	47	2.765	9	88700	96221	5	27	5.400	208042	96210
S002_0150	14.93	–	–	–	–	–	–	–	17	47	2.765	11	88716	96221	5	27	5.400	208042	96210
S002_0150	14.93	–	–	–	–	–	–	–	17	47	2.765	14	91231	96221	5	27	5.400	208042	96210
S002_0195	19.29	–	–	–	–	–	–	–	14	50	3.571	11	88512	96222	5	27	5.400	208042	96210
S002_0195	19.29	–	–	–	–	–	–	–	14	50	3.571	14	214670	96222	5	27	5.400	208042	96210
S002_0195	19.29	–	–	–	–	–	–	–	14	50	3.571	7	88695	96222	5	27	5.400	208042	96210
S002_0195	19.29	–	–	–	–	–	–	–	14	50	3.571	9	88696	96222	5	27	5.400	208042	96210
S002_0230	23.40	–	–	–	–	–	–	–	12	52	4.333	7	88692	96223	5	27	5.400	208042	96210
S002_0230	23.40	–	–	–	–	–	–	–	12	52	4.333	9	88693	96223	5	27	5.400	208042	96210
S002_0230	23.40	–	–	–	–	–	–	–	12	52	4.333	11	91226	96223	5	27	5.400	208042	96210
S002_0230	23.40	–	–	–	–	–	–	–	12	52	4.333	14	214669	96223	5	27	5.400	208042	96210
S002_0300	29.70	–	–	–	–	–	–	–	20	44	2.200	9	88702	96220	2	27	13.50	96213	96211
S002_0300	29.70	–	–	–	–	–	–	–	20	44	2.200	11	88703	96220	2	27	13.50	96213	96211
S002_0300	29.70	–	–	–	–	–	–	–	20	44	2.200	7	88701	96220	2	27	13.50	96213	96211
S002_0300	29.70	–	–	–	–	–	–	–	20	44	2.200	14	91230	96220	2	27	13.50	96213	96211
S002_0370	37.32	–	–	–	–	–	–	–	17	47	2.765	7	88699	96221	2	27	13.50	96213	96211
S002_0370	37.32	–	–	–	–	–	–	–	17	47	2.765	9	88700	96221	2	27	13.50	96213	96211
S002_0370	37.32	–	–	–	–	–	–	–	17	47	2.765	11	88716	96221	2	27	13.50	96213	96211
S002_0370	37.32	–	–	–	–	–	–	–	17	47	2.765	14	91231	96221	2	27	13.50	96213	96211
S002_0480	48.21	–	–	–	–	–	–	–	14	50	3.571	14	214670	96222	2	27	13.50	96213	96211
S002_0480	48.21	–	–	–	–	–	–	–	14	50	3.571	7	88695	96222	2	27	13.50	96213	96211
S002_0480	48.21	–	–	–	–	–	–	–	14	50	3.571	9	88696	96222	2	27	13.50	96213	96211
S002_0480	48.21	–	–	–	–	–	–	–	14	50	3.571	11	88512	96222	2	27	13.50	96213	96211
S002_0590	58.50	–	–	–	–	–	–	–	12	52	4.333	7	88692	96223	2	27	13.50	96213	96211
S002_0590	58.50	–	–	–	–	–	–	–	12	52	4.333	9	88693	96223	2	27	13.50	96213	96211
S002_0590	58.50	–	–	–	–	–	–	–	12	52	4.333	11	91226	96223	2	27	13.50	96213	96211
S002_0590	58.50	–	–	–	–	–	–	–	12	52	4.333	14	214669	96223	2	27	13.50	96213	96211
S002_0750	74.70	–	–	–	–	–	–	–	15	83	5.533	11	91227	96224	2	27	13.50	96213	96211
S002_0750	74.70	–	–	–	–	–	–	–	15	83	5.533	14	214665	96224	2	27	13.50	96213	96211
S002_0750	74.70	–	–	–	–	–	–	–	15	83	5.533	9	88698	96224	2	27	13.50	96213	96211
S002_0750	74.70	–	–	–	–	–	–	–	15	83	5.533	7	88697	96224	2	27	13.50	96213	96211
S002_1000	100.3	–	–	–	–	–	–	–	14	104	7.429	9	91225	96225	2	27	13.50	96213	96211
S002_1000	100.3	–	–	–	–	–	–	–	14	104	7.429	7	88694	96225	2	27	13.50	96213	96211
S002_1210	121.3	–	–	–	–	–	–	–	12	52	4.333	7	88692	96223	–	28	28.00	96841	96840
S002_1210	121.3	–	–	–	–	–	–	–	12	52	4.333	9	88693	96223	–	28	28.00	96841	96840
S002_1210	121.3	–	–	–	–	–	–	–	12	52	4.333	11	91226	96223	–	28	28.00	96841	96840
S002_1210	121.3	–	–	–	–	–	–	–	12	52	4.333	14	214669	96223	–	28	28.00	96841	96840
S002_1550	154.9	–	–	–	–	–	–	–	15	83	5.533	7	88697	96224	–	28	28.00	96841	96840
S002_1550	154.9	–	–	–	–	–	–	–	15	83	5.533	14	214665	96224	–	28	28.00	96841	96840
S002_1550	154.9	–	–	–	–	–	–	–	15	83	5.533	9	88698	96224	–	28	28.00	96841	96840
S002_1550	154.9	–	–	–	–	–	–	–	15	83	5.533	11	91227	96224	–	28	28.00	96841	96840
S002_2080	208.0	–	–	–	–	–	–	–	14	104	7.429	7	88694	96225	–	28	28.00	96841	96840
S002_2080	208.0	–	–	–	–	–	–	–	14	104	7.429	9	91225	96225	–	28	28.00	96841	96840
S102_0092	9.200	–	–	–	–	–	–	–	27	46	1.704	14	91228	88630	5	27	5.400	90933	90919
S102_0092	9.200	–	–	–	–	–	–	–	27	46	1.704	7	88707	88630	5	27	5.400	90933	90919
S102_0092	9.200	–	–	–	–	–	–	–	27	46	1.704	9	88708	88630	5	27	5.400	90933	90919
S102_0092	9.200	–	–	–	–	–	–	–	27	46	1.704	11	88709	88630	5	27	5.400	90933	90919
S102_0115	11.50	–	–	–	–	–	–	–	23	49	2.130	14	91229	88631	5	27	5.400	90933	90919
S102_0115	11.50	–	–	–	–	–	–	–	23	49	2.130	9	88705	88631	5	27	5.400	90933	90919
S102_0115	11.50	–	–	–	–	–	–	–	23	49	2.130	11	88706	88631	5	27	5.400	90933	90919
S102_0140	14.04	–	–	–	–	–	–	–	20	52	2.600	7	88701	88632	5	27	5.400	90933	90919
S102_0140	14.04	–	–	–	–	–	–	–	20	52	2.600	9	88702	88632	5	27	5.400	90933	90919
S102_0140	14.04	–	–	–	–	–	–	–	20	52	2.600	11	88703	88632	5	27	5.400	90933	90919
S102_0140	14.04	–	–	–	–	–	–	–	20	52	2.600	14	91230	88632	5	27	5.400	90933	90919
S102_0175	17.47	–	–	–	–	–	–	–	17	55	3.235	11	88716	88633	5	27	5.400	90933	90919
S102_0175	17.47	–	–	–	–	–	–	–	17	55	3.235	9	88700	88633	5	27	5.400	90933	90919
S102_0175	17.47	–	–	–	–	–	–	–	17	55	3.235	7	88699	88633	5	27	5.400	90933	90919
S102_0175	17.47	–	–	–	–	–	–	–	17	55	3.235	14	91231	88633	5	27	5.400	90933	90919
S102_0230	23.14	–	–	–	–	–	–	–	14	60	4.286	7	88695	88634	5	27	5.400	90933	90919
S102_0230	23.14	–	–	–	–	–	–	–	14	60	4.286	9	88696	88634	5	27	5.400	90933	90919

Type	i_{tot}	Øa	Pre stage						Input stage						Output stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
S102_0230	23.14	–	–	–	–	–	–	–	14	60	4.286	11	88512	88634	5	27	5.400	90933	90919
S102_0230	23.14	–	–	–	–	–	–	–	14	60	4.286	14	214670	88634	5	27	5.400	90933	90919
S102_0280	27.90	–	–	–	–	–	–	–	12	62	5.167	14	214669	88635	5	27	5.400	90933	90919
S102_0280	27.90	–	–	–	–	–	–	–	12	62	5.167	7	88692	88635	5	27	5.400	90933	90919
S102_0280	27.90	–	–	–	–	–	–	–	12	62	5.167	9	88693	88635	5	27	5.400	90933	90919
S102_0280	27.90	–	–	–	–	–	–	–	12	62	5.167	11	91226	88635	5	27	5.400	90933	90919
S102_0350	34.92	–	–	–	–	–	–	–	15	97	6.467	14	214665	88636	5	27	5.400	90933	90919
S102_0350	34.92	–	–	–	–	–	–	–	15	97	6.467	11	91227	88636	5	27	5.400	90933	90919
S102_0350	34.92	–	–	–	–	–	–	–	15	97	6.467	7	88697	88636	5	27	5.400	90933	90919
S102_0350	34.92	–	–	–	–	–	–	–	15	97	6.467	9	88698	88636	5	27	5.400	90933	90919
S102_0440	43.68	–	–	–	–	–	–	–	17	55	3.235	14	91231	88633	2	27	13.50	90934	90920
S102_0440	43.68	–	–	–	–	–	–	–	17	55	3.235	7	88699	88633	2	27	13.50	90934	90920
S102_0440	43.68	–	–	–	–	–	–	–	17	55	3.235	9	88700	88633	2	27	13.50	90934	90920
S102_0440	43.68	–	–	–	–	–	–	–	17	55	3.235	11	88716	88633	2	27	13.50	90934	90920
S102_0580	57.86	–	–	–	–	–	–	–	14	60	4.286	14	214670	88634	2	27	13.50	90934	90920
S102_0580	57.86	–	–	–	–	–	–	–	14	60	4.286	11	88512	88634	2	27	13.50	90934	90920
S102_0580	57.86	–	–	–	–	–	–	–	14	60	4.286	9	88696	88634	2	27	13.50	90934	90920
S102_0580	57.86	–	–	–	–	–	–	–	14	60	4.286	7	88695	88634	2	27	13.50	90934	90920
S102_0700	69.75	–	–	–	–	–	–	–	12	62	5.167	7	88692	88635	2	27	13.50	90934	90920
S102_0700	69.75	–	–	–	–	–	–	–	12	62	5.167	9	88693	88635	2	27	13.50	90934	90920
S102_0700	69.75	–	–	–	–	–	–	–	12	62	5.167	11	91226	88635	2	27	13.50	90934	90920
S102_0700	69.75	–	–	–	–	–	–	–	12	62	5.167	14	214669	88635	2	27	13.50	90934	90920
S102_0870	87.30	–	–	–	–	–	–	–	15	97	6.467	9	88698	88636	2	27	13.50	90934	90920
S102_0870	87.30	–	–	–	–	–	–	–	15	97	6.467	11	91227	88636	2	27	13.50	90934	90920
S102_0870	87.30	–	–	–	–	–	–	–	15	97	6.467	7	88697	88636	2	27	13.50	90934	90920
S102_0870	87.30	–	–	–	–	–	–	–	15	97	6.467	14	214665	88636	2	27	13.50	90934	90920
S102_1170	116.7	–	–	–	–	–	–	–	14	121	8.643	7	88694	88637	2	27	13.50	90934	90920
S102_1170	116.7	–	–	–	–	–	–	–	14	121	8.643	9	91225	88637	2	27	13.50	90934	90920
S102_1400	139.5	–	–	–	–	–	–	–	12	124	10.33	7	88691	88638	2	27	13.50	90934	90920
S102_1400	139.5	–	–	–	–	–	–	–	12	124	10.33	9	215076	88638	2	27	13.50	90934	90920
S102_1740	174.2	–	–	–	–	–	–	–	10	129	12.90	9	215075	88639	2	27	13.50	90934	90920
S102_1740	174.2	–	–	–	–	–	–	–	10	129	12.90	7	88690	88639	2	27	13.50	90934	90920
S102_2420	242.0	–	–	–	–	–	–	–	14	121	8.643	9	91225	88637	–	28	28.00	91247	91248
S102_2420	242.0	–	–	–	–	–	–	–	14	121	8.643	7	88694	88637	–	28	28.00	91247	91248
S102_2890	289.3	–	–	–	–	–	–	–	12	124	10.33	7	88691	88638	–	28	28.00	91247	91248
S102_2890	289.3	–	–	–	–	–	–	–	12	124	10.33	9	215076	88638	–	28	28.00	91247	91248
S102_3610	361.2	–	–	–	–	–	–	–	10	129	12.90	7	88690	88639	–	28	28.00	91247	91248
S102_3610	361.2	–	–	–	–	–	–	–	10	129	12.90	9	215075	88639	–	28	28.00	91247	91248
S202_0092	9.232	–	–	–	–	–	–	–	31	53	1.710	18	88731	88640	5	27	5.400	200295	91240
S202_0092	9.232	–	–	–	–	–	–	–	31	53	1.710	11	88729	88640	5	27	5.400	200295	91240
S202_0092	9.232	–	–	–	–	–	–	–	31	53	1.710	14	88730	88640	5	27	5.400	200295	91240
S202_0115	11.60	–	–	–	–	–	–	–	27	58	2.148	18	88728	88641	5	27	5.400	200295	91240
S202_0115	11.60	–	–	–	–	–	–	–	27	58	2.148	14	88727	88641	5	27	5.400	200295	91240
S202_0115	11.60	–	–	–	–	–	–	–	27	58	2.148	9	90505	88641	5	27	5.400	200295	91240
S202_0115	11.60	–	–	–	–	–	–	–	27	58	2.148	11	88726	88641	5	27	5.400	200295	91240
S202_0140	13.92	–	–	–	–	–	–	–	26	67	2.577	11	88723	88643	5	27	5.400	200295	91240
S202_0140	13.92	–	–	–	–	–	–	–	26	67	2.577	14	88724	88643	5	27	5.400	200295	91240
S202_0140	13.92	–	–	–	–	–	–	–	26	67	2.577	18	88725	88643	5	27	5.400	200295	91240
S202_0175	17.55	–	–	–	–	–	–	–	20	65	3.250	11	88721	88642	5	27	5.400	200295	91240
S202_0175	17.55	–	–	–	–	–	–	–	20	65	3.250	14	88722	88642	5	27	5.400	200295	91240
S202_0175	17.55	–	–	–	–	–	–	–	20	65	3.250	18	89244	88642	5	27	5.400	200295	91240
S202_0175	17.55	–	–	–	–	–	–	–	20	65	3.250	9	89243	88642	5	27	5.400	200295	91240
S202_0230	23.29	–	–	–	–	–	–	–	16	69	4.313	9	88719	88644	5	27	5.400	200295	91240
S202_0230	23.29	–	–	–	–	–	–	–	16	69	4.313	11	88720	88644	5	27	5.400	200295	91240
S202_0230	23.29	–	–	–	–	–	–	–	16	69	4.313	14	88509	88644	5	27	5.400	200295	91240
S202_0230	23.29	–	–	–	–	–	–	–	16	69	4.313	18	90005	88644	5	27	5.400	200295	91240
S202_0280	28.08	–	–	–	–	–	–	–	15	78	5.200	11	88718	88645	5	27	5.400	200295	91240
S202_0280	28.08	–	–	–	–	–	–	–	15	78	5.200	14	90507	88645	5	27	5.400	200295	91240
S202_0350	34.71	–	–	–	–	–	–	–	14	90	6.429	9	88712	88646	5	27	5.400	200295	91240
S202_0350	34.71	–	–	–	–	–	–	–	14	90	6.429	11	88713	88646	5	27	5.400	200295	91240
S202_0350	34.71	–	–	–	–	–	–	–	14	90	6.429	14	91232	88646	5	27	5.400	200295	91240
S202_0440	43.88	–	–	–	–	–	–	–	20	65	3.250	9	89243	88642	2	27	13.50	200296	91242
S202_0440	43.88	–	–	–	–	–	–	–	20	65	3.250	11	88721	88642	2	27	13.50	200296	91242
S202_0440	43.88	–	–	–	–	–	–	–	20	65	3.250	14	88722	88642	2	27	13.50	200296	91242
S202_0440	43.88	–	–	–	–	–	–	–	20	65	3.250	18	89244	88642	2	27	13.50	200296	91242
S202_0580	58.22	–	–	–	–	–	–	–	16	69	4.313	18	90005	88644	2	27	13.50	200296	91242
S202_0580	58.22	–	–	–	–	–	–	–	16	69	4.313	9	88719	88644	2	27	13.50	200296	91242
S202_0580	58.22	–	–	–	–	–	–	–	16	69	4.313	14	88509	88644	2	27	13.50	200296	91242
S202_0580	58.22	–	–	–	–	–	–	–	16	69	4.313	11	88720	88644	2	27	13.50	200296	91242
S202_0700	70.20	–	–	–	–	–	–	–	15	78	5.200	11	88718	88645	2	27	13.50	200296	91242
S202_0700	70.20	–	–	–	–	–	–	–	15	78	5.200	14	90507	88645	2	27	13.50	200296	91242
S202_0870	86.79	–	–	–	–	–	–	–	14	90	6.429	9	88712	88646	2	27	13.50	200296	91242
S202_0870	86.79	–	–	–	–	–	–	–	14	90	6.429	11	88713	88646	2	27	13.50	200296	91242
S202_0870	86.79	–	–	–	–	–	–	–	14	90	6.429	14	91232	88646	2	27	13.50	200296	91242
S202_1160	116.1	–	–	–	–	–	–	–	15	129	8.600	9	88698	88647	2	27	13.50	200296	91242
S202_1160	116.1	–	–	–	–	–	–	–	15	129	8.600	11	91227	88647	2	27	13.50	200296	91242
S202_1160	116.1	–	–	–	–	–	–	–	15	129	8.600	7	88697	88647	2	27	13.50	200296	91242
S202_1160	116.1	–	–	–	–	–	–	–	15	129	8.600	14	214665	88647	2	27	13.50	200296	91242

Type	i_{tot}	Øa	Pre stage						Input stage						Output stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
S202_1400	139.5	–	–	–	–	–	–	–	15	155	10.33	9	88715	88648	2	27	13.50	200296	91242
S202_1740	174.4	–	–	–	–	–	–	–	12	155	12.92	9	88515	88649	2	27	13.50	200296	91242
S203_1360	136.3	140	12	47	3.917	7	88692	88401	26	67	2.577	14	88724	88643	2	27	13.50	200296	91242
S203_1360	136.3	140	12	47	3.917	9	88693	88401	26	67	2.577	14	88724	88643	2	27	13.50	200296	91242
S203_1720	171.8	140	12	47	3.917	7	88692	88401	20	65	3.250	14	88722	88642	2	27	13.50	200296	91242
S203_1720	171.8	140	12	47	3.917	9	88693	88401	20	65	3.250	14	88722	88642	2	27	13.50	200296	91242
S203_2280	228.0	140	12	47	3.917	7	88692	88401	16	69	4.313	14	88509	88644	2	27	13.50	200296	91242
S203_2280	228.0	140	12	47	3.917	9	88693	88401	16	69	4.313	14	88509	88644	2	27	13.50	200296	91242
S203_2750	275.0	140	12	47	3.917	7	88692	88401	15	78	5.200	14	90507	88645	2	27	13.50	200296	91242
S203_2750	275.0	140	12	47	3.917	9	88693	88401	15	78	5.200	14	90507	88645	2	27	13.50	200296	91242
S203_3400	339.9	140	12	47	3.917	7	88692	88401	14	90	6.429	14	91232	88646	2	27	13.50	200296	91242
S203_3400	339.9	140	12	47	3.917	9	88693	88401	14	90	6.429	14	91232	88646	2	27	13.50	200296	91242
S203_4550	454.7	140	12	47	3.917	7	88692	88401	15	129	8.600	14	214665	88647	2	27	13.50	200296	91242
S203_4550	454.7	140	12	47	3.917	9	88693	88401	15	129	8.600	14	214665	88647	2	27	13.50	200296	91242
S203_5460	546.4	140	12	47	3.917	9	88693	88401	15	155	10.33	9	88715	88648	2	27	13.50	200296	91242
S203_5460	546.4	140	12	47	3.917	7	88692	88401	15	155	10.33	9	88715	88648	2	27	13.50	200296	91242
S203_6830	683.0	140	12	47	3.917	7	88692	88401	12	155	12.92	9	88515	88649	2	27	13.50	200296	91242
S203_6830	683.0	140	12	47	3.917	9	88693	88401	12	155	12.92	9	88515	88649	2	27	13.50	200296	91242
S302_0093	9.310	–	–	–	–	–	–	–	29	50	1.724	18	88753	88650	5	27	5.400	90937	90925
S302_0115	11.66	–	–	–	–	–	–	–	25	54	2.160	14	88748	88651	5	27	5.400	90937	90925
S302_0115	11.66	–	–	–	–	–	–	–	25	54	2.160	18	88749	88651	5	27	5.400	90937	90925
S302_0140	14.00	–	–	–	–	–	–	–	27	70	2.593	14	88750	88652	5	27	5.400	90937	90925
S302_0140	14.00	–	–	–	–	–	–	–	27	70	2.593	18	88751	88652	5	27	5.400	90937	90925
S302_0175	17.37	–	–	–	–	–	–	–	23	74	3.217	18	88747	88653	5	27	5.400	90937	90925
S302_0175	17.37	–	–	–	–	–	–	–	23	74	3.217	14	88746	88653	5	27	5.400	90937	90925
S302_0175	17.37	–	–	–	–	–	–	–	23	74	3.217	11	88745	88653	5	27	5.400	90937	90925
S302_0230	23.40	–	–	–	–	–	–	–	18	78	4.333	14	88744	88654	5	27	5.400	90937	90925
S302_0230	23.40	–	–	–	–	–	–	–	18	78	4.333	18	88510	88654	5	27	5.400	90937	90925
S302_0230	23.40	–	–	–	–	–	–	–	18	78	4.333	11	88743	88654	5	27	5.400	90937	90925
S302_0280	28.01	–	–	–	–	–	–	–	16	83	5.188	11	88740	88655	5	27	5.400	90937	90925
S302_0280	28.01	–	–	–	–	–	–	–	16	83	5.188	14	88741	88655	5	27	5.400	90937	90925
S302_0280	28.01	–	–	–	–	–	–	–	16	83	5.188	18	90508	88655	5	27	5.400	90937	90925
S302_0350	34.89	–	–	–	–	–	–	–	13	84	6.462	14	90006	88656	5	27	5.400	90937	90925
S302_0350	34.89	–	–	–	–	–	–	–	13	84	6.462	11	88738	88656	5	27	5.400	90937	90925
S302_0430	43.44	–	–	–	–	–	–	–	23	74	3.217	18	88747	88653	2	27	13.50	90938	90927
S302_0430	43.44	–	–	–	–	–	–	–	23	74	3.217	11	88745	88653	2	27	13.50	90938	90927
S302_0430	43.44	–	–	–	–	–	–	–	23	74	3.217	14	88746	88653	2	27	13.50	90938	90927
S302_0590	58.50	–	–	–	–	–	–	–	18	78	4.333	11	88743	88654	2	27	13.50	90938	90927
S302_0590	58.50	–	–	–	–	–	–	–	18	78	4.333	14	88744	88654	2	27	13.50	90938	90927
S302_0590	58.50	–	–	–	–	–	–	–	18	78	4.333	18	88510	88654	2	27	13.50	90938	90927
S302_0700	70.03	–	–	–	–	–	–	–	16	83	5.188	18	90508	88655	2	27	13.50	90938	90927
S302_0700	70.03	–	–	–	–	–	–	–	16	83	5.188	11	88740	88655	2	27	13.50	90938	90927
S302_0700	70.03	–	–	–	–	–	–	–	16	83	5.188	14	88741	88655	2	27	13.50	90938	90927
S302_0870	87.23	–	–	–	–	–	–	–	13	84	6.462	14	90006	88656	2	27	13.50	90938	90927
S302_0870	87.23	–	–	–	–	–	–	–	13	84	6.462	11	88738	88656	2	27	13.50	90938	90927
S302_1160	116.1	–	–	–	–	–	–	–	10	86	8.600	11	88733	88657	2	27	13.50	90938	90927
S302_1160	116.1	–	–	–	–	–	–	–	10	86	8.600	14	91233	88657	2	27	13.50	90938	90927
S302_1400	139.9	–	–	–	–	–	–	–	11	114	10.36	11	88735	88658	2	27	13.50	90938	90927
S302_1400	139.9	–	–	–	–	–	–	–	11	114	10.36	14	214667	88658	2	27	13.50	90938	90927
S302_1740	174.4	–	–	–	–	–	–	–	12	155	12.92	9	88736	88659	2	27	13.50	90938	90927
S303_1350	135.3	160	15	58	3.867	14	96524	96542	27	70	2.593	18	88751	88652	2	27	13.50	90938	90927
S303_1350	135.3	160	15	58	3.867	11	96523	96542	27	70	2.593	18	88751	88652	2	27	13.50	90938	90927
S303_1370	137.1	140	12	47	3.917	7	88692	88401	27	70	2.593	14	88750	88652	2	27	13.50	90938	90927
S303_1370	137.1	140	12	47	3.917	9	88693	88401	27	70	2.593	14	88750	88652	2	27	13.50	90938	90927
S303_1680	167.9	160	15	58	3.867	14	96524	96542	23	74	3.217	18	88747	88653	2	27	13.50	90938	90927
S303_1680	167.9	160	15	58	3.867	11	96523	96542	23	74	3.217	18	88747	88653	2	27	13.50	90938	90927
S303_1700	170.1	140	12	47	3.917	7	88692	88401	23	74	3.217	14	88746	88653	2	27	13.50	90938	90927
S303_1700	170.1	140	12	47	3.917	9	88693	88401	23	74	3.217	14	88746	88653	2	27	13.50	90938	90927
S303_2260	226.2	160	15	58	3.867	11	96523	96542	18	78	4.333	18	88510	88654	2	27	13.50	90938	90927
S303_2260	226.2	160	15	58	3.867	14	96524	96542	18	78	4.333	18	88510	88654	2	27	13.50	90938	90927
S303_2290	229.1	140	12	47	3.917	7	88692	88401	18	78	4.333	14	88744	88654	2	27	13.50	90938	90927
S303_2290	229.1	140	12	47	3.917	9	88693	88401	18	78	4.333	14	88744	88654	2	27	13.50	90938	90927
S303_2710	270.8	160	15	58	3.867	14	96524	96542	16	83	5.188	18	90508	88655	2	27	13.50	90938	90927
S303_2710	270.8	160	15	58	3.867	11	96523	96542	16	83	5.188	18	90508	88655	2	27	13.50	90938	90927
S303_2740	274.3	140	12	47	3.917	7	88692	88401	16	83	5.188	14	88741	88655	2	27	13.50	90938	90927
S303_2740	274.3	140	12	47	3.917	9	88693	88401	16	83	5.188	14	88741	88655	2	27	13.50	90938	90927
S303_3370	337.3	160	15	58	3.867	11	96523	96542	13	84	6.462	14	90006	88656	2	27	13.50	90938	90927
S303_3370	337.3	160	15	58	3.867	14	96524	96542	13	84	6.462	14	90006	88656	2	27	13.50	90938	90927
S303_3420	341.7	140	12	47	3.917	9	88693	88401	13	84	6.462	14	90006	88656	2	27	13.50	90938	90927
S303_3420	341.7	140	12	47	3.917	7	88692	88401	13	84	6.462	14	90006	88656	2	27	13.50	90938	90927
S303_4550	454.7	140	12	47	3.917	7	88692	88401	10	86	8.600	14	91233	88657	2	27	13.50	90938	90927
S303_4550	454.7	140	12	47	3.917	9	88693	88401	10	86	8.600	14	91233	88657	2	27	13.50	90938	90927
S303_5480	548.0	140	12	47	3.917	7	88692	88401	11	114	10.36	14	214667	88658	2	27	13.50	90938	90927
S303_5480	548.0	140	12	47	3.917	9	88693	88401	11	114	10.36	14	214667	88658	2	27	13.50	90938	90927
S303_6830	683.0	140	12	47	3.917	7	88692	88401	12	155	12.92	9	88736	88659	2	27	13.50	90938	90927
S303_6830	683.0	140	12	47	3.917	9	88693	88401	12	155	12.92	9	88736	88659	2	27	13.50	90938	90927
S402_0093	9.281	–	–	–	–	–	–	–	32	55	1.719	18	88768	88660	5	27	5.400	90939	90929
S402_0093	9.281	–	–	–	–	–	–	–	32	55	1.719	25	88769	88660	5	27	5.400	90939	90929

Type	i_{tot}	Øa	Pre stage						Input stage						Output stage				
			z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	d_{zap}	ID_{pin}	ID_{gear}	z_{pin}	z_{gear}	i	ID_{pin}	ID_{gear}
S402_0115	11.57	–	–	–	–	–	–	–	28	60	2.143	18	88766	88661	5	27	5.400	90939	90929
S402_0115	11.57	–	–	–	–	–	–	–	28	60	2.143	25	88767	88661	5	27	5.400	90939	90929
S402_0140	13.95	–	–	–	–	–	–	–	24	62	2.583	18	88764	88662	5	27	5.400	90939	90929
S402_0140	13.95	–	–	–	–	–	–	–	24	62	2.583	25	88765	88662	5	27	5.400	90939	90929
S402_0175	17.49	–	–	–	–	–	–	–	21	68	3.238	18	88763	88663	5	27	5.400	90939	90929
S402_0175	17.49	–	–	–	–	–	–	–	21	68	3.238	25	89309	88663	5	27	5.400	90939	90929
S402_0230	23.40	–	–	–	–	–	–	–	21	91	4.333	14	88760	88664	5	27	5.400	90939	90929
S402_0230	23.40	–	–	–	–	–	–	–	21	91	4.333	18	88761	88664	5	27	5.400	90939	90929
S402_0230	23.40	–	–	–	–	–	–	–	21	91	4.333	25	89308	88664	5	27	5.400	90939	90929
S402_0280	27.90	–	–	–	–	–	–	–	18	93	5.167	11	88743	88665	5	27	5.400	90939	90929
S402_0280	27.90	–	–	–	–	–	–	–	18	93	5.167	14	88744	88665	5	27	5.400	90939	90929
S402_0280	27.90	–	–	–	–	–	–	–	18	93	5.167	18	88510	88665	5	27	5.400	90939	90929
S402_0350	34.92	–	–	–	–	–	–	–	15	97	6.467	14	88759	88666	5	27	5.400	90939	90929
S402_0350	34.92	–	–	–	–	–	–	–	15	97	6.467	18	90509	88666	5	27	5.400	90939	90929
S402_0440	43.71	–	–	–	–	–	–	–	21	68	3.238	18	88763	88663	2	27	13.50	90940	90931
S402_0440	43.71	–	–	–	–	–	–	–	21	68	3.238	25	89309	88663	2	27	13.50	90940	90931
S402_0590	58.50	–	–	–	–	–	–	–	21	91	4.333	25	89308	88664	2	27	13.50	90940	90931
S402_0590	58.50	–	–	–	–	–	–	–	21	91	4.333	14	88760	88664	2	27	13.50	90940	90931
S402_0590	58.50	–	–	–	–	–	–	–	21	91	4.333	18	88761	88664	2	27	13.50	90940	90931
S402_0700	69.75	–	–	–	–	–	–	–	18	93	5.167	18	88510	88665	2	27	13.50	90940	90931
S402_0700	69.75	–	–	–	–	–	–	–	18	93	5.167	14	88744	88665	2	27	13.50	90940	90931
S402_0700	69.75	–	–	–	–	–	–	–	18	93	5.167	11	88743	88665	2	27	13.50	90940	90931
S402_0870	87.30	–	–	–	–	–	–	–	15	97	6.467	14	88759	88666	2	27	13.50	90940	90931
S402_0870	87.30	–	–	–	–	–	–	–	15	97	6.467	18	90509	88666	2	27	13.50	90940	90931
S402_1160	116.3	–	–	–	–	–	–	–	13	112	8.615	11	88756	88667	2	27	13.50	90940	90931
S402_1160	116.3	–	–	–	–	–	–	–	13	112	8.615	14	88757	88667	2	27	13.50	90940	90931
S402_1400	139.9	–	–	–	–	–	–	–	11	114	10.36	14	90007	88668	2	27	13.50	90940	90931
S402_1740	174.2	–	–	–	–	–	–	–	10	129	12.90	14	214666	88669	2	27	13.50	90940	90931
S402_1740	174.2	–	–	–	–	–	–	–	10	129	12.90	11	88754	88669	2	27	13.50	90940	90931
S403_1350	134.9	160	15	58	3.867	14	96524	96542	24	62	2.583	18	88764	88662	2	27	13.50	90940	90931
S403_1350	134.9	160	15	58	3.867	11	96523	96542	24	62	2.583	18	88764	88662	2	27	13.50	90940	90931
S403_1690	169.0	160	15	58	3.867	14	96524	96542	21	68	3.238	18	88763	88663	2	27	13.50	90940	90931
S403_1690	169.0	160	15	58	3.867	11	96523	96542	21	68	3.238	18	88763	88663	2	27	13.50	90940	90931
S403_2260	226.2	160	15	58	3.867	11	96523	96542	21	91	4.333	18	88761	88664	2	27	13.50	90940	90931
S403_2260	226.2	160	15	58	3.867	14	96524	96542	21	91	4.333	18	88761	88664	2	27	13.50	90940	90931
S403_2290	229.1	140	12	47	3.917	9	88693	88401	21	91	4.333	14	88760	88664	2	27	13.50	90940	90931
S403_2290	229.1	140	12	47	3.917	7	88692	88401	21	91	4.333	14	88760	88664	2	27	13.50	90940	90931
S403_2700	269.7	160	15	58	3.867	14	96524	96542	18	93	5.167	18	88510	88665	2	27	13.50	90940	90931
S403_2700	269.7	160	15	58	3.867	11	96523	96542	18	93	5.167	18	88510	88665	2	27	13.50	90940	90931
S403_2730	273.2	140	12	47	3.917	7	88692	88401	18	93	5.167	14	88744	88665	2	27	13.50	90940	90931
S403_2730	273.2	140	12	47	3.917	9	88693	88401	18	93	5.167	14	88744	88665	2	27	13.50	90940	90931
S403_3380	337.6	160	15	58	3.867	11	96523	96542	15	97	6.467	18	90509	88666	2	27	13.50	90940	90931
S403_3380	337.6	160	15	58	3.867	14	96524	96542	15	97	6.467	18	90509	88666	2	27	13.50	90940	90931
S403_3420	341.9	140	12	47	3.917	7	88692	88401	15	97	6.467	14	88759	88666	2	27	13.50	90940	90931
S403_3420	341.9	140	12	47	3.917	9	88693	88401	15	97	6.467	14	88759	88666	2	27	13.50	90940	90931
S403_4500	449.7	160	15	58	3.867	11	96523	96542	13	112	8.615	14	88757	88667	2	27	13.50	90940	90931
S403_4500	449.7	160	15	58	3.867	14	96524	96542	13	112	8.615	14	88757	88667	2	27	13.50	90940	90931
S403_4560	455.5	140	12	47	3.917	9	88693	88401	13	112	8.615	14	88757	88667	2	27	13.50	90940	90931
S403_4560	455.5	140	12	47	3.917	7	88692	88401	13	112	8.615	14	88757	88667	2	27	13.50	90940	90931
S403_5410	541.0	160	15	58	3.867	11	96523	96542	11	114	10.36	14	90007	88668	2	27	13.50	90940	90931
S403_5410	541.0	160	15	58	3.867	14	96524	96542	11	114	10.36	14	90007	88668	2	27	13.50	90940	90931
S403_5480	548.0	140	12	47	3.917	7	88692	88401	11	114	10.36	14	90007	88668	2	27	13.50	90940	90931
S403_5480	548.0	140	12	47	3.917	9	88693	88401	11	114	10.36	14	90007	88668	2	27	13.50	90940	90931
S403_6820	682.1	140	12	47	3.917	9	88693	88401	10	129	12.90	14	214666	88669	2	27	13.50	90940	90931
S403_6820	682.1	140	12	47	3.917	7	88692	88401	10	129	12.90	14	214666	88669	2	27	13.50	90940	90931

22 Formula symbols

Symbol	Unit	Explanation
øa	mm	Diameter motor flange
d_{zap}	mm	Pin diameter
i	–	Gear ratio
ID_{gear}	–	ID number gear
ID_{ring}	–	ID number ring gear
ID_{pin}	–	ID number pinion
ID_{pla}	–	ID number planetary gear
ID_{sun}	–	ID number sun gear
i_{tot}	–	Total ratio
z_{gear}	–	Number of teeth gear
z_{ring}	–	Number of teeth ring gear
z_{pla}	–	Number of teeth planetary gear
z_{sun}	–	Number of teeth sun gear

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