

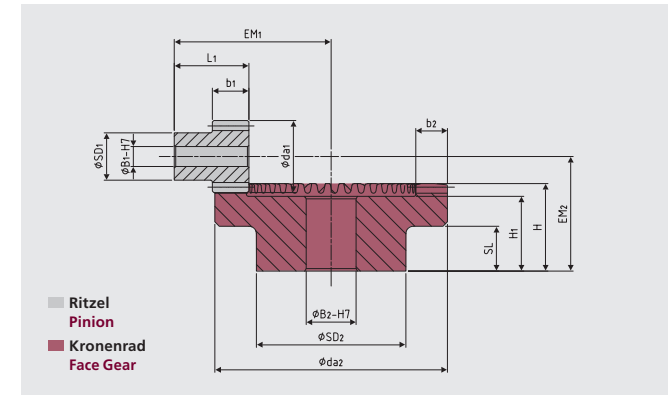
# ASSAG Cylkro® Radsatz-Programm

## ASSAG Cylkro® Gear set program

Modul Module	Bestellnummer Order number	T <sub>2max</sub> Nm	Übersetzung Ratio	Anzahl Zähne No. of teeth		Kronenrad / Face Gear							Ritzel / Pinion					j <sub>n</sub> mm Zahnflankenspiel Normal Backlash			
				Rad Wheel	Ritzel Pinion	d <sub>d2</sub> mm	*SD <sub>2</sub> mm	*B <sub>2</sub> mm	b <sub>2</sub> mm	*H mm	*H <sub>1</sub> mm	*SL mm	d <sub>a1</sub> mm	SD <sub>1</sub> mm	*B <sub>1</sub> mm	b <sub>1</sub> mm	*L <sub>1</sub> mm		*EM <sub>1</sub> mm	*EM <sub>2</sub> mm	
0.7	CP0718W-90	0.7	1:1	14	14	13.1	9	5	1.5	10.5	8.5	5.0	11.6	6.0	*	3.2	10	14.5	15	0.08	
	CP0728W-90	4.3	1:2	28	14	26.1	15	8	3.6	10.5	8.5	5.0	11.6	6.0	*	5.3	13	22.0	15	0.08	
	CP0738W-90	8.9	1:3	42	14	39.1	25	14	5.4	15.5	13.5	8.0	11.6	6.0	*	7.1	15	28.5	20	0.08	
	CP0748W-90	15.0	1:4	56	14	52.1	30	16	7.2	21.5	19.5	12.0	11.6	6.0	*	8.9	15	36.5	26	0.08	
	CP0758W-90	22.5	1:5	70	14	65.2	40	18	9.1	20.5	18.5	11.0	11.6	6.0	*	10.1	20	42.0	25	0.08	
	CP0768W-90	29.0	1:6	84	14	76.1	48	20	9.8	25.5	23.5	15.0	11.6	6.0	*	11.7	20	47.5	30	0.08	
	CP0788W-90	41.0	1:8	112	14	94.9	60	25	9.8	25.5	23.5	14.0	11.6	6.0	*	11.8	20	57.0	30	0.08	
	CP07108W-90	53.0	1:10	140	14	113.8	80	30	9.8	30.5	28.5	17.0	11.6	6.0	*	11.7	20	66.5	35	0.08	
0.9	CP0918W-90	1.2	1:1	13	13	15.6	10	6	1.7	10.6	8.0	4.0	14.5	8.0	*	3.7	10	15.5	16	0.08	
	CP0928W-90	7.7	1:2	26	13	31.1	20	10	4.2	13.1	10.5	6.0	14.5	8.0	*	5.8	15	26.0	19	0.08	
	CP0938W-90	18.0	1:3	39	13	46.7	30	15	6.4	17.6	15.0	9.0	14.5	8.0	*	8.1	20	36.5	23	0.08	
	CP0948W-90	31.0	1:4	52	13	62.2	38	18	8.6	24.6	22.0	14.0	14.5	8.0	*	10.3	20	42.0	30	0.08	
	CP0958W-90	46.0	1:5	65	13	77.8	50	20	10.8	29.6	27.0	17.0	14.5	8.0	*	12.8	23	50.5	35	0.08	
	CP0968W-90	60.0	1:6	78	13	90.9	50	20	11.7	29.6	27.0	15.0	14.5	8.0	*	13.9	25	58.0	35	0.08	
	CP0988W-90	79.0	1:8	104	13	113.4	70	25	11.7	39.6	37.0	23.0	14.5	8.0	*	13.4	25	69.5	45	0.08	
	CP09108W-90	100.0	1:10	130	13	135.9	75	30	11.7	44.6	42.0	28.0	14.5	8.0	*	13.9	25	80.5	50	0.08	
	1	CP118H-90	2.1	1:1	14	14	18.7	14	8	2.1	13.5	11.0	6.0	16.7	11.5	6-H6	3.6	15	21.5	20	0.08
		CP128H-90	12.5	1:2	28	14	37.3	25	15	5.1	19.5	17.0	10.0	16.7	11.5	6-H6	6.3	20	33.0	26	0.08
CP138W-90		27.0	1:3	42	14	55.9	36	18	7.7	23.5	21.0	13.0	16.7	10.0	*	9.9	22	41.5	30	0.08	
CP148W-90		46.0	1:4	56	14	74.5	45	20	10.5	25.5	23.0	14.0	16.7	10.0	*	11.9	25	51.5	32	0.08	
CP158W-90		67.0	1:5	70	14	93.1	52	25	12.8	25.5	23.0	13.0	16.7	10.0	*	15.0	28	62.0	32	0.08	
CP168W-90		89.0	1:6	84	14	109.0	65	30	14.0	29.5	27.0	16.0	16.7	10.0	*	15.7	30	70.0	36	0.08	
CP188W-90		125.0	1:8	112	14	136.0	90	35	14.0	33.5	31.0	19.0	16.7	10.0	*	15.7	30	83.5	40	0.08	
1.25		CP1.2518H-90	4.1	1:1	14	14	23.3	16	9	2.6	13.9	10.5	6.0	20.9	14.5	7-H6	3.7	15	23.5	22	0.08
	CP1.2528H-90	24.0	1:2	28	14	46.6	30	16	6.3	19.9	16.5	10.0	20.9	14.5	7-H6	7.3	25	41.5	28	0.08	
	CP1.2538H-90	53.0	1:3	42	14	69.8	42	24	9.6	23.9	20.5	12.0	20.9	14.5	7-H6	10.3	30	55.0	32	0.08	
	CP1.2548W-90	89.0	1:4	56	14	93.1	55	25	12.8	43.9	38.5	28.0	20.9	12.0	*	15.0	30	63.0	55	0.08	
	CP1.2558W-90	133.0	1:5	70	14	116.3	65	30	16.0	46.9	43.5	31.0	20.9	12.0	*	18.0	35	76.5	55	0.08	
	CP1.2568W-90	173.0	1:6	84	14	135.0	75	40	17.0	51.9	48.5	33.0	20.9	12.0	*	18.7	35	85.0	60	0.08	
	1.5	CP1.518H-90	7.2	1:1	14	14	28.0	18	8	3.2	16.9	13.0	8.5	25.1	17.5	8-H7	3.9	16	26.5	27	0.08
CP1.528H-90		41.0	1:2	28	14	55.9	36	18	7.4	20.4	16.5	10.0	25.1	17.5	8-H6	8.5	25	45.0	30	0.08	
CP1.538H-90		92.0	1:3	42	14	83.8	48	25	11.4	25.4	21.5	13.0	25.1	17.5	8-H6	12.4	30	60.0	35	0.08	
CP1.548W-90		156.0	1:4	56	14	111.7	60	30	15.4	40.4	36.5	25.0	25.1	15.0	*	17.1	35	75.0	50	0.08	
CP1.558W-90		235.0	1:5	70	14	139.6	70	35	19.3	45.4	41.5	27.0	25.1	15.0	*	20.3	41	91.0	55	0.08	
1.75	CP1.7518H-90	11.6	1:1	14	14	32.6	22	10	3.6	18.6	14.0	8.0	29.4	20.0	10-H7	5.0	16	28.0	30	0.08	
	CP1.7528H-90	66.0	1:2	28	14	65.2	38	22	8.6	24.6	20.0	13.0	29.4	20.0	10-H7	9.6	30	53.5	36	0.08	
	CP1.7538H-90	150.0	1:3	42	14	97.7	55	30	13.2	33.6	29.0	19.0	29.4	22.0	10-H6	14.4	35	70.0	45	0.08	
	CP1.7548H-90	254.0	1:4	56	14	130.3	80	40	17.9	43.6	39.0	27.0	29.4	20.0	10-H6	19.4	35	81.5	55	0.08	
2.5	CP2.518H-90	31.0	1:1	14	14	46.6	30	15	5.1	31.6	25.0	15.5	42.2	29.0	14-H7	6.5	25	42.5	48	0.10	
	CP2.528H-90	194.0	1:2	28	14	93.1	50	25	12.6	34.0	27.5	18.0	42.2	29.0	14-H7	13.6	40	73.5	50	0.10	
	CP2.538H-90	453.0	1:3	42	14	139.6	80	40	19.3	44.0	37.5	24.0	42.2	29.0	14-H7	20.3	40	90.0	60	0.10	
3	CP318H-90	55.0	1:1	14	14	55.9	40	20	6.2	30.9	23.0	16.0	50.3	34.0	16-H7	6.2	30	51.0	50	0.12	
	CP328H-90	335.0	1:2	28	14	111.7	64	35	15.1	45.9	38.0	27.0	50.3	34.0	16-H7	16.6	40	80.0	65	0.12	
3.5	CP3.518H-90	87.0	1:1	14	14	65.2	46	22	7.1	47.7	38.5	25.0	58.8	41.0	22-H7	8.1	38	63.0	70	0.12	
	CP3.528H-90	518.0	1:2	28	14	130.3	75	40	17.2	52.7	43.5	25.0	58.8	41.0	22-H7	18.2	48	95.5	75	0.12	

\*Kundenspezifisch anpassbar | \*Customisable

Ritzel und Cylkro®-Rad aus 16 MnCr5, einseitiggehärtet | Pinion and Cylkro® Crown wheel case hardened, material 16 MnCr5



### Berechnungsgrundlagen für das Dauerdrehmoment T<sub>2max</sub>

### Design and calculation criteria for continuous torque T<sub>2max</sub>

Berechnungsverfahren	–	~ DIN 3990	Calculation method
Normaleingriffswinkel	–	20°	Normal pressure angle
Schrägungswinkel	–	0°	Helix angle
Flankensicherheit	S <sub>H</sub>	1,0	Safety factor contact stresses
Zahnflusssicherheit	S <sub>r</sub>	1,4	Safety factor tooth root bending stresses
Anwendungsfaktor	K <sub>A</sub>	1,0	Application factor
Dauerfestigkeit	–	20000 h	Fatigue strength
Drehzahl	–	1500 min <sup>-1</sup>	Rotational speed

### Bestellbezeichnung Cylkro®-Räder | Order reference Cylkro® crown gear

Bestellnummer Order number	Modul Module	Übersetzung Ratio	Qualität Verzahnung Quality of gearing	Ritzel-Version Pinion Version	Achswinkel Shaft angle
CP (Cylkro® Program)	0.7	1:1	6	H mit Bohrung   with bore	0°–135° üblich   usually 90°
	0.9	1:2			
	1.0	1:3			
	1.25	1:4			
	1.5	1:4			
	2.0	1:5			
	2.5	1:6			
	3.0	1:8			
	3.5	1:10			
	CP	1.25			

Bestellbeispiel | Order example: CP-1.25-3-6-H-90

Montageanleitung und Formular für Anfragespezifizierung finden Sie unter [www.assag.ch](http://www.assag.ch) (Downloads). Oder rufen Sie uns an, wir helfen Ihnen gerne.

Mounting instructions and a form for your Cylkro® face gear request you can find under [www.assag.ch](http://www.assag.ch) (Downloads). Or contact us by phone, we are looking forward to support you.