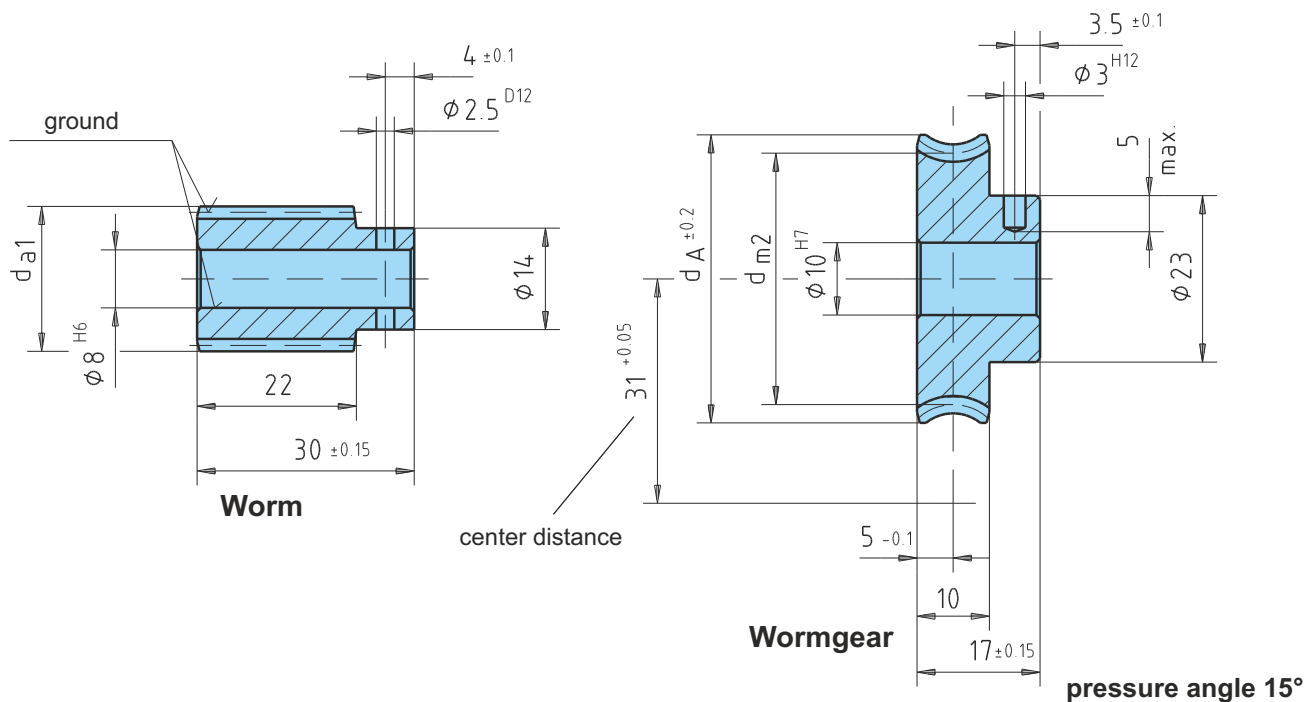




A31 (31 mm center distance)



i = gear ratio

α_m = lead angle

m = module

z_1 = number of threads

d_{m1} = pitch diameter (worm)

d_{a1} = tip diameter (worm)

z_2 = No. of teeth

d_{m2} = pitch diameter (worm gear)

d_A = max. diameter (worm gear)

T_2 = output torque

MG = mineral grease

MO = mineral oil / synthetic grease

SO = synthetic oil

Catalog

Catalog	i	α_m	m	worm			wormgear			T_2 [Nm] No.			
				z_1	d_{m1}	d_{a1}	z_2	d_{m2}	d_A	Bronze	MO	SO	Phenolic
A31U2*	2.5:1	45°15'	1.25	10	17.6	20.1	25	44.4	46.9	4.4	5.3	6.6	1.7
A31U3*	3:1	35°10'	1.15	10	19.97	22.27	30	42.03	44.5	4.5	5.4	6.7	1.8
A31U4	4.28:1	25°24'	1.25	7	20.4	22.9	30	41.6	45	9	10.8	13.5	3.6
A31U5	5:1	23°46'	1.3	6	19.35	21.95	30	42.65	46.5	9.5	11.4	14.2	3.8
A31U6	6:1	18°13'	1.3	5	20.8	23.4	30	41.2	45	7.6	9.1	11.4	3.0
A31U7	7:1	20°32'	1.5	4	17.1	20.1	28	44.9	48.8	9.7	11.6	14.5	3.9
A31U8	8.33:1	19°49'	1.75	3	15.5	19	25	46.5	51	10	12	15	4.0
A31U10	10:1	12°50'	1.4	3	18.9	21.7	30	43.1	47	9.5	11.4	14.2	3.8
A31U12	12:1	13°55'	1.25	3	15.6	18.1	36	46.4	50	12.1	14.5	18.1	4.8
A31U15	15:1	10°40'	1.5	2	16.2	19.2	30	45.8	50	10.7	12.8	16	4.3
A31U18/1.25	18:1	8°44'	1.25	2	16.46	18.96	36	45.54	48.8	10.3	12.4	15.4	4.1
A31U20/0.75	20:1	7°49'	0.75	3	16.54	18.04	60	45.46	48	8.3	10	12.4	3.3
A31U20/1.15	20:1	8°33'	1.15	2	15.47	17.77	40	46.53	50	10.3	12.4	15.4	4.1
A31U22	22:1	6°29'	1	2	17.7	19.7	44	44.3	48	9.6	11.5	14.4	3.8
A31U23	23:1	7°29'	2	1	15.35	19.35	23	46.65	52	10.5	12.6	15.7	4.2
A31U24	24:1	5°4'	1.75	1	19.8	23.3	24	42.2	47	9.2	11	13.8	3.7

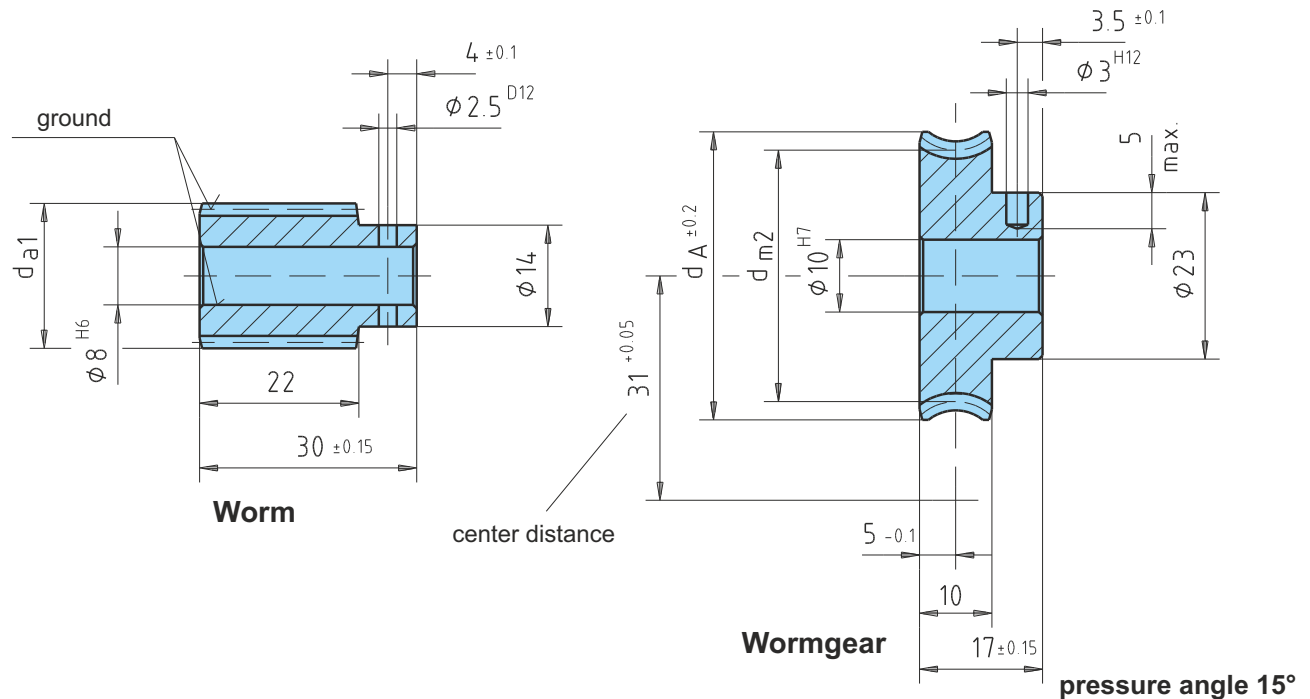
* Worm gear set only available with polished worm profile and crossed helical gear.

All worms and worm gears stocked right hand only, worm made of case hardened and ground steel (HV 620 - 700). Worm gear made of CuZn40Al2/So or phenolic (Hgw 2083). Also available with keyway 3P9.

Subject to technical changes



A31 (31 mm center distance)



i = gear ratio
 α_m = lead angle
 m = module
 z_1 = number of threads
 d_{m1} = pitch diameter (worm)

d_{a1} = tip diameter (worm)
 z_2 = No. of teeth
 d_{m2} = pitch diameter (worm gear)
 d_A = max. diameter (worm gear)
 T_2 = output torque

MG = mineral grease
 MO = mineral oil / synthetic grease
 SO = synthetic oil

Catalog				worm			wormgear			T_2 [Nm] No.			
	i	α_m	m	z_1	d_{m1}	d_{a1}	z_2	d_{m2}	d_A	Bronze			Phenolic
A31U25	25:1	5°35'	1.75	1	18	21.5	25	44	48.5	9.6	11.5	14.4	3.8
A31U28	28:1	4°20'	1.5	1	19.85	22.85	28	42.15	46.5	9.1	10.9	13.6	3.6
A31U30	30:1	5°7'	1.5	1	16.8	19.8	30	45.2	48.8	10.3	12.4	15.4	4.1
A31U32	32:1	4°45'	1.4	1	16.9	19.7	32	45.1	48.8	10.2	12.2	15.3	4.1
A31U38	38:1	5°1'	1.25	1	14.3	16.8	38	47.7	51.2	11.4	13.7	17.1	4.6
A31U45	45:1	3°23'	1	1	16.93	18.93	45	45.07	48	9.5	11.4	14.2	3.8
A31U50	50:1	3°3'	0.9	1	16.9	18.7	50	45.1	48	9	10.8	13.5	3.6
A31U55	55:1	4°12'	0.9	1	12.3	14.1	55	49.7	52	10.4	12.5	15.6	4.2
A31U60	60:1	2°33'	0.75	1	16.9	18.4	60	45.1	48	8.2	9.8	12.3	3.3
A31U70	70:1	3°7'	0.7	1	12.9	14.3	70	49.1	52	9	10.8	13.5	3.6
A31U75	75:1	2°2'	0.6	1	16.9	18.1	75	45.1	47	7.3	8.8	10.9	2.9
A31U90	90:1	1°41'	0.5	1	17	18	90	45	48	6.4	7.7	9.6	2.6
A31U100	100:1	2°24'	0.5	1	11.96	12.96	100	50.04	52.7	7.4	8.9	11.1	3.0

All worms and worm gears stocked right hand only, worm made of case hardened and ground steel (HV 620 - 700). Worm gear made of CuZn40Al2/So or phenolic (Hgw 2083). Also available with keyway 3P9.

Subject to technical changes