

Item description/product images

**Description****Material:**

Worm screw steel.

Worm wheel CuZn37Mn3Al2PbSi-S40.

Version:

Worm screw with right-hand pitch, case-hardened HV 620 – 700, flanks and hole ground.

Note for ordering:

Wheels/screws can only be combined to form a worm gear if they have the same centre distance and transmission ratio.

Note:

A worm gear consists of a worm screw (shaft) and a worm wheel. Suitable for forming worm drives with a 90° shaft angle. A worm drive enables very large speed reduction ratios with a single stage.

The tothing has the flank shape K. The engagement angle is 15°. The worm gears are pre-bored.

The stated T2 output torques are the permissible output torques on the worm wheel. These apply for an input speed of 2800 rpm of the worm screw.

The worm gears are suitable for continuous operation at high speeds and high torques.

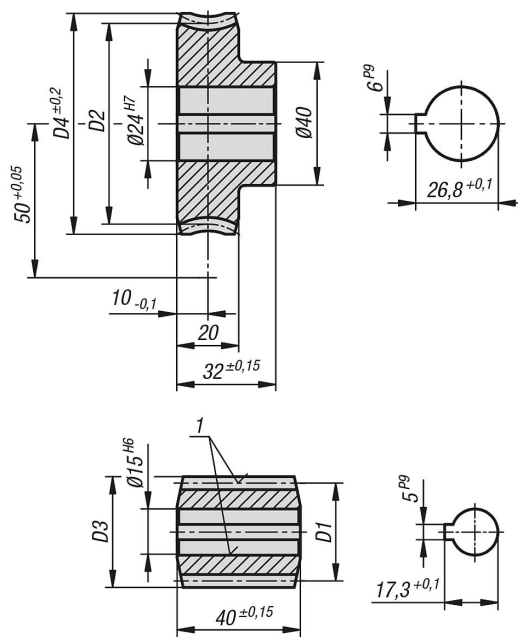
Drawing reference:

1) ground

Item description/product images



Drawings







Overview of items

Order No.	Image	Item	Transmission ratio	Pitch angle	Module	Z1	D1	D3	Z2	D2	D4	Output torque T2 (Nm) mineral grease	Output torque T2 (Nm) mineral oil	Output torque T2 (Nm) synthetic oil
22500-531004		Worm	-	25° 51	3,5	4	32,1	39,1	-	-	-	-	-	-
22500-502004		Worm Wheel	4,25:1	25° 51	3,5	-	-	-	17	67,9	77	34	40,8	51

Overview of items

Order No.	Image	Item	Transmission ratio	Pitch angle	Module	Z1	D1	D3	Z2	D2	D4	Output torque T2 (Nm) mineral grease	Output torque T2 (Nm) mineral oil	Output torque T2 (Nm) synthetic oil
22500-531006		Worm	-	19° 17	3,5	3	31,8	38,8	-	-	-	-	-	-
22500-502006		Worm Wheel	6:1	19° 17	3,5	-	-	-	18	68,2	77	52	62,4	78
22500-531008		Worm	-	13° 52	2,5	3	31,29	36,29	-	-	-	-	-	-
22500-502008		Worm Wheel	8,66:1	13° 52	2,5	-	-	-	26	68,71	77	64,3	77,1	96,4
22500-531012		Worm	-	10° 23	2,75	2	30,5	36	-	-	-	-	-	-
22500-502012		Worm Wheel	12:1	10° 23	2,75	-	-	-	24	69,5	77	66,4	79,6	99,6
22500-531013		Worm	-	9° 38	2,5	2	29,9	34,9	-	-	-	-	-	-
22500-502014		Worm Wheel	13,5:1	9° 38	2,5	-	-	-	27	70,1	77	62,8	75,4	94,2
22500-531019		Worm	-	6° 17	3,5	1	32	39	-	-	-	-	-	-
22500-502019		Worm Wheel	19:1	6° 17	3,5	-	-	-	19	68	77	78,2	93,8	117,3
22500-531023		Worm	-	5° 38	3	1	30,58	36,58	-	-	-	-	-	-
22500-502023		Worm Wheel	23:1	5° 38	3	-	-	-	23	69,42	77	71,1	85,3	106,6
22500-531027		Worm	-	4° 40	2,5	1	30,73	35,73	-	-	-	-	-	-
22500-502027		Worm Wheel	27:1	4° 40	2,5	-	-	-	27	69,27	77	64,5	77,4	96,7
22500-531035		Worm	-	3° 51	2	1	29,78	33,78	-	-	-	-	-	-
22500-502035		Worm Wheel	35:1	3° 51	2	-	-	-	35	70,22	77	56,7	68	85
22500-531046		Worm	-	2° 47	1,5	1	30,85	33,85	-	-	-	-	-	-
22500-502046		Worm Wheel	46:1	2° 47	1,5	-	-	-	46	69,15	74	50,6	60,7	75,9

Overview of items

Order No.	Image	Item	Transmission ratio	Pitch angle	Module	Z1	D1	D3	Z2	D2	D4	Output torque T2 (Nm) mineral grease	Output torque T2 (Nm) mineral oil	Output torque T2 (Nm) synthetic oil
22500-531055		Worm	-	2° 19'	1,25	1	30,9	33,4	-	-	-	-	-	-
22500-502055		Worm Wheel	55:1	2° 19'	1,25	-	-	-	55	69,1	74	46,2	55,4	69,3
22500-531075		Worm	-	1° 51'	1	1	30,9	32,9	-	-	-	-	-	-
22500-502069		Worm Wheel	69:1	1° 51'	1	-	-	-	69	69,1	74	41,4	49,6	62,8