

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 toothing 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.

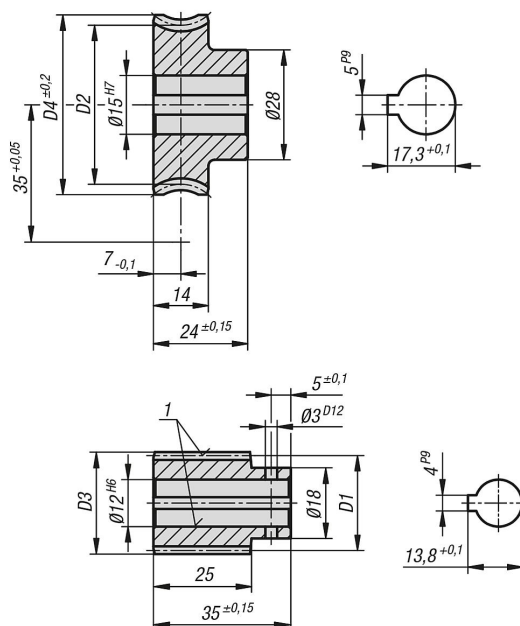
Drawing reference:

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
22500-351002		Worm	-	31° 01	1,5	9	26,2	29,2	-	-	-	6,6	8,2	10,2
22500-352002		Worm Wheel	2,78:1	31° 01	1,5	-	-	-	25	43,8	46,76	6,6	8,2	10,2
22500-351005		Worm	-	22° 52	1,75	5	22,52	26,02	-	-	-	15,3	18,4	22,9
22500-352005		Worm Wheel	5:1	22° 52	1,75	-	-	-	25	47,48	53	15,3	18,4	22,9
22500-351007		Worm	-	13° 47	1,5	4	25,18	28,18	-	-	-	14,7	17,6	22
22500-352007		Worm Wheel	7,25:1	13° 47	1,5	-	-	-	29	44,82	50	14,7	17,6	22
22500-351008		Worm	-	14° 25	1,9	3	22,89	26,69	-	-	-	16,7	20	25

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
22500-352008		Worm Wheel	8:1	14° 25	1,9	-	-	-	24	47,11	53	16,7	20	25
22500-351010		Worm	-	10° 43	1,5	3	24,2	27,2	-	-	-	16	19,2	24
22500-352010		Worm Wheel	10:1	10° 43	1,5	-	-	-	30	45,8	51	16	19,2	24
22500-351011		Worm	-	10° 32	1,4	3	22,98	25,78	-	-	-	16,7	20	25
22500-352011		Worm Wheel	11:1	10° 32	1,4	-	-	-	33	47,02	52	16,7	20	25
22500-351012		Worm	-	9° 11	1,9	2	23,8	27,6	-	-	-	16,1	19,3	24
22500-352012		Worm Wheel	12:1	9° 11	1,9	-	-	-	24	46,2	52	16,1	19,3	24
22500-351015		Worm	-	7°	1,5	2	24,62	27,62	-	-	-	15,3	18,4	22,9
22500-352015		Worm Wheel	15:1	7°	1,5	-	-	-	30	45,38	50	15,3	18,4	22,9
22500-351020		Worm	-	5° 33	1,15	2	23,78	26,08	-	-	-	14,8	17,8	22,2
22500-352020		Worm Wheel	20:1	5° 33	1,15	-	-	-	40	46,22	50,5	14,8	17,8	22,2
22500-351025		Worm	-	4° 9	0,9	2	24,87	26,67	-	-	-	12,9	15,5	19,3
22500-352025		Worm Wheel	25:1	4° 9	0,9	-	-	-	50	45,13	49	12,9	15,5	19,3
22500-351030		Worm	-	3° 27	1,5	1	24,92	27,92	-	-	-	15	18	22,5
22500-352030		Worm Wheel	30:1	3° 27	1,5	-	-	-	30	45,08	50	15	18	22,5
22500-351035		Worm	-	3° 51	1,4	1	20,85	23,65	-	-	-	17,1	20,5	25,6
22500-352035		Worm Wheel	35:1	3° 51	1,4	-	-	-	35	49,15	53	17,1	20,5	25,6
22500-351040		Worm	-	2° 45	1,15	1	23,91	26,21	-	-	-	14,7	17,6	22
22500-352040		Worm Wheel	40:1	2° 45	1,15	-	-	-	40	46,09	50,5	14,7	17,6	22

Overview of items

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22500-351050		Worm	-	2° 4	0,9	1	24,93	26,73	-	-	-	12,9	15,5	19,3
22500-352050		Worm Wheel	50:1	2° 4	0,9	-	-	-	50	45,07	49	12,9	15,5	19,3
22500-351058		Worm	-	2° 21	0,85	1	20,65	22,35	-	-	-	14,5	17,4	21,7
22500-352058		Worm Wheel	58:1	2° 21	0,85	-	-	-	58	49,35	53	14,5	17,4	21,7
22500-351090		Worm	-	1° 9	0,5	1	25	26	-	-	-	9,1	10,9	13,6
22500-352090		Worm Wheel	90:1	1° 9	0,5	-	-	-	90	45	49	9,1	10,9	13,6