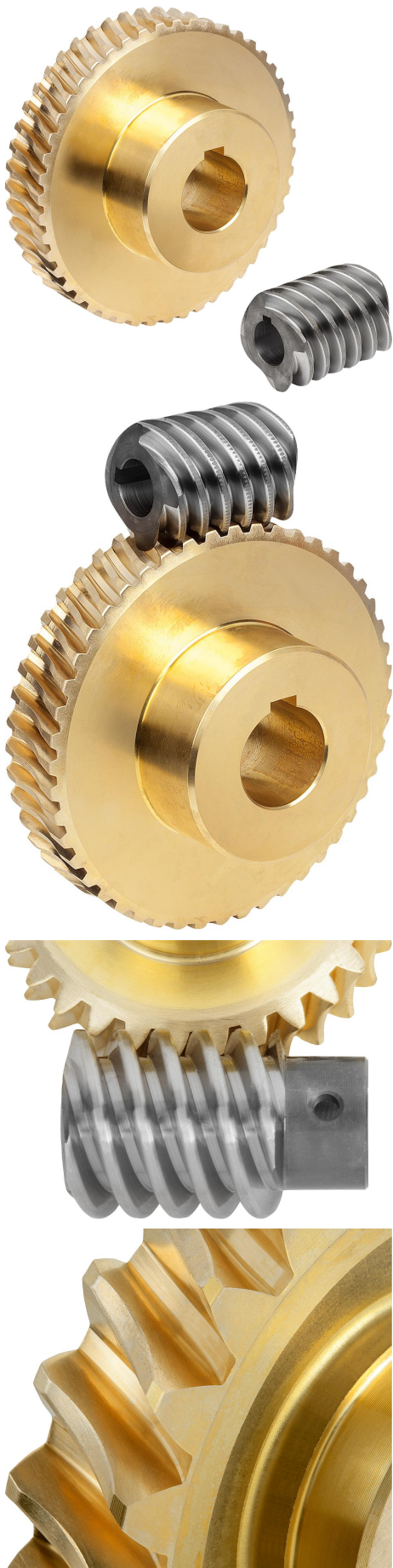


Item description/product images

**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.

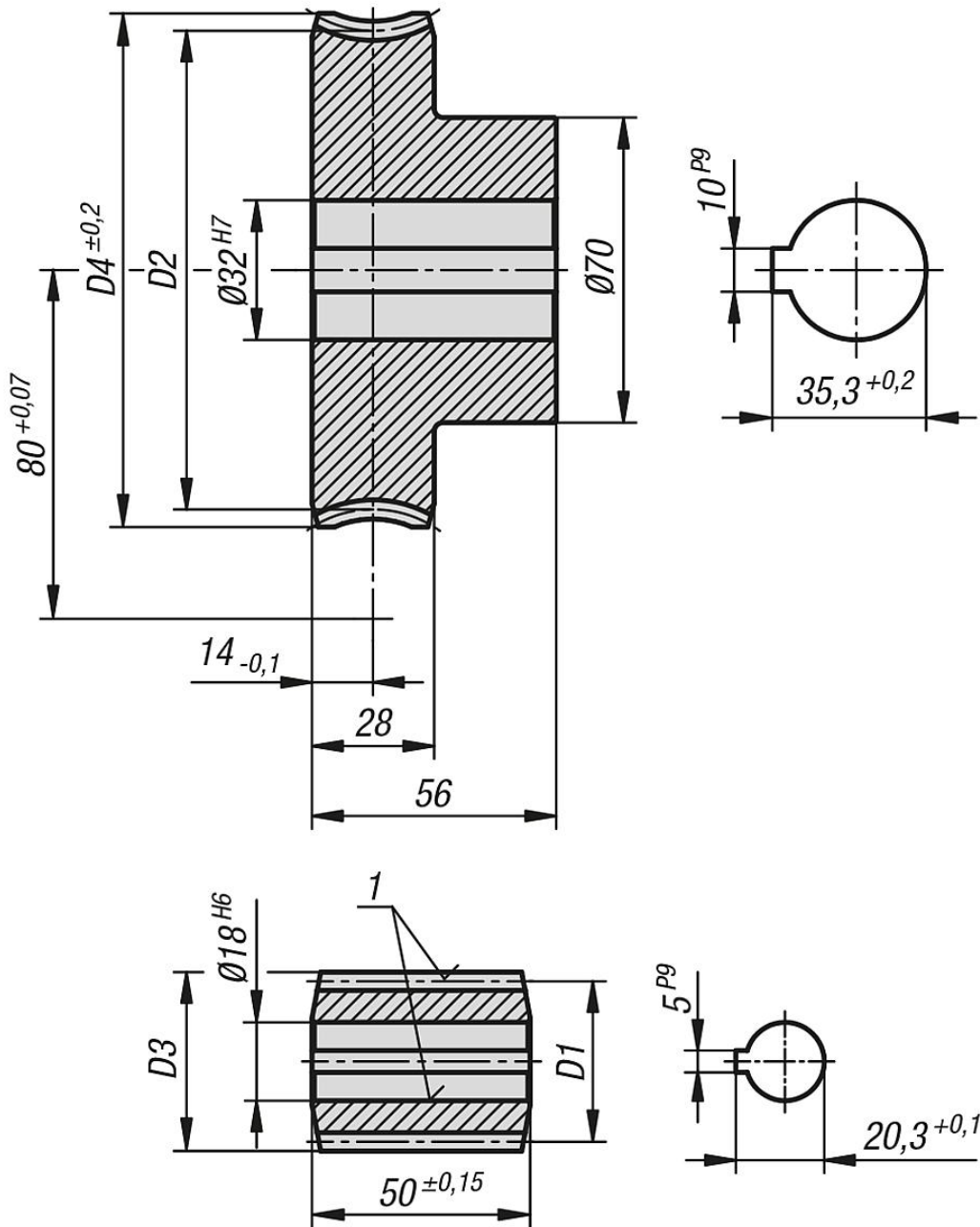
Drawing reference:

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
22500-801006		Worm	-	23° 35'	4	4	40	48	-	-	-	150	180	225
22500-802006		Worm Wheel	6,75:1	23° 35'	4	-	-	-	27	120	132	150	180	225
22500-801012		Worm	-	16° 36'	2,5	4	35	40	-	-	-	243	290	365
22500-802012		Worm Wheel	12:1	16° 36'	2,5	-	-	-	48	125	132,5	243	290	365
22500-801020		Worm	-	8° 58'	3	2	38,5	44,5	-	-	-	290	348	435
22500-802020		Worm Wheel	20:1	8° 58'	3	-	-	-	40	121,5	130,5	290	348	435
22500-801030		Worm	-	5° 44'	4	1	40	48	-	-	-	348	417	522
22500-802030		Worm Wheel	30:1	5° 44'	4	-	-	-	30	120	132,5	348	417	522
22500-801050		Worm	-	4° 6'	2,5	1	35	40	-	-	-	248	297	372
22500-802050		Worm Wheel	50:1	4° 6'	2,5	-	-	-	50	125	132,5	248	297	372
22500-801080		Worm	-	2° 9'	1,5	1	40	43	-	-	-	213	255	320
22500-802080		Worm Wheel	80:1	2° 9'	1,5	-	-	-	80	120	124,5	213	255	320