



Specifications			
Item	Worm	Worm Gear	Worm Gear Hub
Hand of Helix	Right	Right	-
Material	42CrMo or 38CrMoAl	ZCuSn10Pb1	C45
Heat Treatment	Quenching and Tempering	-	Quenching and tempering
Tooth Surface Treatment	Nitriding	-	-
Tooth Surface Finish	Ground	Cut	-
Tooth Hardness	HRC55-60	HBW885	HB240-270
Precision Grade	GB 7	GB 7	-

Rated Power and Torques of Worms and Worm Sets

Ratio	n ₁	n ₂	P _{1N}	T _{2N}	η
	rpm	rpm	KW	N.m	%
10	1500	150	245	14818	95
	1000	100	226	20504	95
	750	75	190	22742	94
	500	50	153	26885	92
12.5	1500	120	215	16169	94.5
	1000	80	192	21659	94.5
	750	60	157	23240	93
	500	40	120	26072	91
16	1500	94	182	17242	93
	1000	63	165	23447	93
	750	47	133	24929	92
	500	31	103	28014	89
20	1500	75	153	17729	91
	1000	50	132	22943	91
	750	38	109	24983	90
	500	25	84.4	28049	87
25	1500	60	126	17849	89
	1000	40	107	22736	89
	750	30	91.6	25660	88
	500	20	68.7	27884	85
31.5	1500	48	102	17388	85
	1000	32	88.7	22681	85
	750	24	65.8	22170	84
	500	16	57.2	27187	79
40	1500	38	83	17121	81
	1000	25	68.7	21257	81
	750	19	60.1	24489	80
	500	13	44.3	25722	76
50	1500	30	87.2	21652	78
	1000	20	58.6	21826	78
	750	15	48.6	23825	77
	500	10	37.2	25934	73
63	1500	24	54.4	16365	75
	1000	16	48.6	21930	75
	750	12	44.3	26298	74
	500	8	30	25269	70

Note:
 1 All dimensions are in mm.
 2 Dimensions and other engineering data are subject to change. Certified specifications are available on request.