



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	47.5	2812	93
	1000	100	43.9	3899	93
	750	75	36.9	4323	92
	500	50	29.7	5105	90
12.5	1500	120	41.7	3070	92.5
	1000	80	37.2	4108	92.5
	750	60	30.5	4442	91.5
	500	40	23.3	4951	89
16	1500	94	35.3	3272	91
	1000	63	31.9	4436	91
	750	47	25.8	4731	90
	500	31	20	5317	87
20	1500	75	29.7	3385	89.5
	1000	50	25.5	4359	89.5
	750	38	21.1	4782	89
	500	25	16.4	5325	85
25	1500	60	24.4	3418	88
	1000	40	20.8	4370	88
	750	30	17.8	4873	86
	500	20	13.3	5176	81.5
33	1500	45	19.7	3435	83
	1000	30	17.2	4499	83
	750	23	12.8	4410	82
	500	15	11.1	5387	77
40	1500	38	16.1	3239	79
	1000	25	13.3	4014	79
	750	19	11.7	4648	78
	500	13	8.61	4868	74
50	1500	30	13.1	3169	76
	1000	20	11.4	4137	76
	750	15	9.44	4508	75
	500	10	7.22	4896	71
63	1500	24	10.6	3090	73
	1000	16	9.44	4147	73
	750	12	8.61	4972	72
	500	8	5.83	4771	68

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