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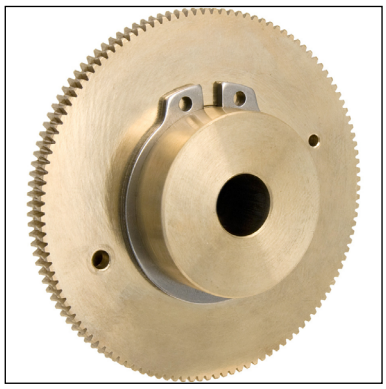
ABPWG
0.5m$_x$

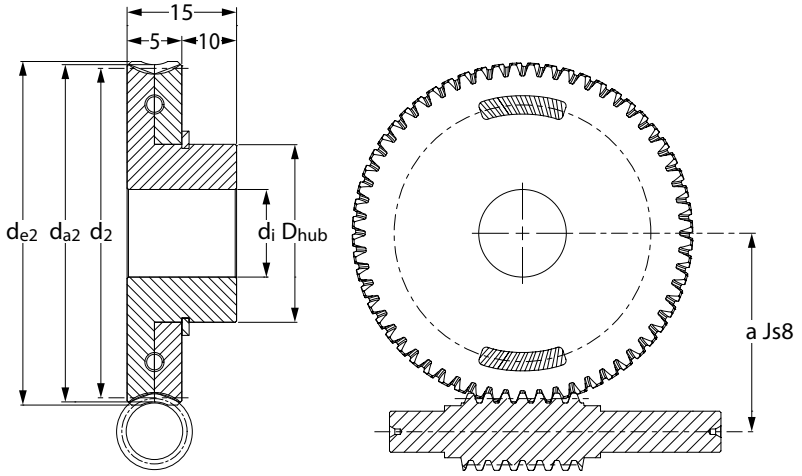
CAD Drawings Available On Request

PRECISION GEARS

0.5 Module Anti-Backlash Wormwheel α 20° PA

Quality Grade Wormwheel 7e DIN 3974/58405





DIN 58405 Tooth Thickness tol.

Part Number 1 Start	2 Start	3 Start	4 Start	No. of Teeth z_2	Centre Distance a	Ref. Dia. d_2	Wheel Throat d_{a2}	Tip Dia. d_{e2}	Bore Dia. H7 d_i	Max. Bore Dia. H7 d_i	Hub Dia. D_{hub}
ABPWG0.5-50-1	ABPWG0.5-50-2	ABPWG0.5-50-3	ABPWG0.5-50-4	50	17.50	25.0	26.0	26.5	5	6	13
ABPWG0.5-52-1	ABPWG0.5-52-2	ABPWG0.5-52-3	ABPWG0.5-52-4	52	18.00	26.0	27.0	27.5	6	8	15
ABPWG0.5-55-1	ABPWG0.5-55-2	ABPWG0.5-55-3	ABPWG0.5-55-4	55	18.75	27.5	28.5	29.0	6	8	15
ABPWG0.5-58-1	ABPWG0.5-58-2	ABPWG0.5-58-3	ABPWG0.5-58-4	58	19.50	29.0	30.0	30.5	6	8	15
ABPWG0.5-60-1	ABPWG0.5-60-2	ABPWG0.5-60-3	ABPWG0.5-60-4	60	20.00	30.0	31.0	31.5	6	8	15
ABPWG0.5-62-1	ABPWG0.5-62-2	ABPWG0.5-62-3	ABPWG0.5-62-4	62	20.50	31.0	32.0	32.5	6	8	15
ABPWG0.5-65-1	ABPWG0.5-65-2	ABPWG0.5-65-3	ABPWG0.5-65-4	65	21.25	32.5	33.5	34.0	6	8	15
ABPWG0.5-68-1	ABPWG0.5-68-2	ABPWG0.5-68-3	ABPWG0.5-68-4	68	22.00	34.0	35.0	35.5	6	8	15
ABPWG0.5-70-1	ABPWG0.5-70-2	ABPWG0.5-70-3	ABPWG0.5-70-4	70	22.50	35.0	36.0	36.5	6	8	15
ABPWG0.5-72-1	ABPWG0.5-72-2	ABPWG0.5-72-3	ABPWG0.5-72-4	72	23.00	36.0	37.0	37.5	6	8	15
ABPWG0.5-75-1	ABPWG0.5-75-2	ABPWG0.5-75-3	ABPWG0.5-75-4	75	23.75	37.5	38.5	39.0	6	8	15
ABPWG0.5-78-1	ABPWG0.5-78-2	ABPWG0.5-78-3	ABPWG0.5-78-4	78	24.50	39.0	40.0	40.5	8	12	25
ABPWG0.5-80-1	ABPWG0.5-80-2	ABPWG0.5-80-3	ABPWG0.5-80-4	80	25.00	40.0	41.0	41.5	8	12	25
ABPWG0.5-82-1	ABPWG0.5-82-2	ABPWG0.5-82-3	ABPWG0.5-82-4	82	25.50	41.0	42.0	42.5	8	12	25
ABPWG0.5-85-1	ABPWG0.5-85-2	ABPWG0.5-85-3	ABPWG0.5-85-4	85	26.25	42.5	43.5	44.0	8	12	25
ABPWG0.5-90-1	ABPWG0.5-90-2	ABPWG0.5-90-3	ABPWG0.5-90-4	90	27.50	45.0	46.0	46.5	8	12	25
ABPWG0.5-95-1	ABPWG0.5-95-2	ABPWG0.5-95-3	ABPWG0.5-95-4	95	28.75	47.5	48.5	49.0	8	12	25
ABPWG0.5-100-1	ABPWG0.5-100-2	ABPWG0.5-100-3	ABPWG0.5-100-4	100	30.00	50.0	51.0	51.5	8	12	25
ABPWG0.5-105-1	ABPWG0.5-105-2	ABPWG0.5-105-3	ABPWG0.5-105-4	105	31.25	52.5	53.5	54.0	10	14	30
ABPWG0.5-110-1	ABPWG0.5-110-2	ABPWG0.5-110-3	ABPWG0.5-110-4	110	32.50	55.0	56.0	56.5	10	14	30
ABPWG0.5-115-1	ABPWG0.5-115-2	ABPWG0.5-115-3	ABPWG0.5-115-4	115	33.75	57.5	58.5	59.0	10	14	30
ABPWG0.5-120-1	ABPWG0.5-120-2	ABPWG0.5-120-3	ABPWG0.5-120-4	120	35.00	60.0	61.0	61.5	10	14	30
ABPWG0.5-130-1	ABPWG0.5-130-2	ABPWG0.5-130-3	ABPWG0.5-130-4	130	37.50	65.0	66.0	66.5	10	14	30
ABPWG0.5-140-1	ABPWG0.5-140-2	ABPWG0.5-140-3	ABPWG0.5-140-4	140	40.00	70.0	71.0	71.5	12	25	45
ABPWG0.5-150-1	ABPWG0.5-150-2	ABPWG0.5-150-3	ABPWG0.5-150-4	150	42.50	75.0	76.0	76.5	12	25	45
ABPWG0.5-160-1	ABPWG0.5-160-2	ABPWG0.5-160-3	ABPWG0.5-160-4	160	45.00	80.0	81.0	81.5	12	25	45
ABPWG0.5-170-1	ABPWG0.5-170-2	ABPWG0.5-170-3	ABPWG0.5-170-4	170	47.50	85.0	86.0	86.5	12	25	45
ABPWG0.5-180-1	ABPWG0.5-180-2	ABPWG0.5-180-3	ABPWG0.5-180-4	180	50.00	90.0	91.0	91.5	14	30	50
ABPWG0.5-190-1	ABPWG0.5-190-2	ABPWG0.5-190-3	ABPWG0.5-190-4	190	52.50	95.0	96.0	96.5	14	30	50
ABPWG0.5-200-1	ABPWG0.5-200-2	ABPWG0.5-200-3	ABPWG0.5-200-4	200	55.00	100.0	101.0	101.5	14	30	50
ABPWG0.5-210-1	ABPWG0.5-210-2	ABPWG0.5-210-3	ABPWG0.5-210-4	210	57.50	105.0	106.0	106.5	14	30	50
ABPWG0.5-220-1	ABPWG0.5-220-2	ABPWG0.5-220-3	ABPWG0.5-220-4	220	60.00	110.0	111.0	111.5	16	40	65
ABPWG0.5-230-1	ABPWG0.5-230-2	ABPWG0.5-230-3	ABPWG0.5-230-4	230	62.50	115.0	116.0	116.5	16	40	65
ABPWG0.5-240-1	ABPWG0.5-240-2	ABPWG0.5-240-3	ABPWG0.5-240-4	240	65.00	120.0	121.0	121.5	16	40	65
ABPWG0.5-250-1	ABPWG0.5-250-2	ABPWG0.5-250-3	ABPWG0.5-250-4	250	67.50	125.0	126.0	126.5	16	40	65

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ABPWG 0.5mx

CAD Drawings Available On Request

PRECISION GEARS

0.5 Module Anti-Backlash Wormwheel α 20° PA

Quality Grade Wormwheel 7e DIN 3974/58405

Standard Part	**ABPWG**	**0.5**	**-50**	***1***			
Modified Part	ABPWG	0.5	-50	***3***	**6**	**K**	**T**

ABPWG - Anti-Backlash Precision Worm Gear
Quality Grade 7e DIN 3974/58405
Other Quality Grades available.
See Technical

m_x Module - Cut with DIN 867 1.25/0.20/1.0
Ref. Tooth Profile Topping WD = 2.25 x m_x

Number of Teeth **z**

Number of Starts on Worm
Ratio = $\frac{(z_2)\text{ No. of teeth on wheel}}{(z_1)\text{ No. of starts on worm}}$

T = 1 x Tapped hole **2T** = 2 x Tapped holes
P = 1 x Pin Hole **PT** = 1 x Pin Hole through
All threads metric as standard.
See Technical

K- Keyway supplied to
DIN 6885 - Js9 tolerance.
See Technical

To specify different bore enter size required
Example: 6 = 6mm H7 etc
See Technical

Material: Bronze CA104. RH lead angle.

Part Number				Mass	I Inertia	Torque T_2 Nm
1 Start	2 Start	3 Start	4 Start	Kg	*Kgm²*	$n_2$100 Rpm
ABPWG0.5-50-1	ABPWG0.5-50-2	ABPWG0.5-50-3	ABPWG0.5-50-4	0.027	1.27×10^{-6}	0.21
ABPWG0.5-52-1	ABPWG0.5-52-2	ABPWG0.5-52-3	ABPWG0.5-52-4	0.031	1.54×10^{-6}	0.23
ABPWG0.5-55-1	ABPWG0.5-55-2	ABPWG0.5-55-3	ABPWG0.5-55-4	0.033	1.90×10^{-6}	0.24
ABPWG0.5-58-1	ABPWG0.5-58-2	ABPWG0.5-58-3	ABPWG0.5-58-4	0.035	2.32×10^{-6}	0.25
ABPWG0.5-60-1	ABPWG0.5-60-2	ABPWG0.5-60-3	ABPWG0.5-60-4	0.037	2.64×10^{-6}	0.25
ABPWG0.5-62-1	ABPWG0.5-62-2	ABPWG0.5-62-3	ABPWG0.5-62-4	0.039	3.00×10^{-6}	0.26
ABPWG0.5-65-1	ABPWG0.5-65-2	ABPWG0.5-65-3	ABPWG0.5-65-4	0.042	3.62×10^{-6}	0.27
ABPWG0.5-68-1	ABPWG0.5-68-2	ABPWG0.5-68-3	ABPWG0.5-68-4	0.045	4.33×10^{-6}	0.27
ABPWG0.5-70-1	ABPWG0.5-70-2	ABPWG0.5-70-3	ABPWG0.5-70-4	0.047	4.86×10^{-6}	0.28
ABPWG0.5-72-1	ABPWG0.5-72-2	ABPWG0.5-72-3	ABPWG0.5-72-4	0.049	5.45×10^{-6}	0.29
ABPWG0.5-75-1	ABPWG0.5-75-2	ABPWG0.5-75-3	ABPWG0.5-75-4	0.052	6.42×10^{-6}	0.29
ABPWG0.5-78-1	ABPWG0.5-78-2	ABPWG0.5-78-3	ABPWG0.5-78-4	0.077	9.32×10^{-6}	0.36
ABPWG0.5-80-1	ABPWG0.5-80-2	ABPWG0.5-80-3	ABPWG0.5-80-4	0.079	1.01×10^{-5}	0.37
ABPWG0.5-82-1	ABPWG0.5-82-2	ABPWG0.5-82-3	ABPWG0.5-82-4	0.082	1.10×10^{-5}	0.37
ABPWG0.5-85-1	ABPWG0.5-85-2	ABPWG0.5-85-3	ABPWG0.5-85-4	0.086	1.24×10^{-5}	0.38
ABPWG0.5-90-1	ABPWG0.5-90-2	ABPWG0.5-90-3	ABPWG0.5-90-4	0.092	1.52×10^{-5}	0.39
ABPWG0.5-95-1	ABPWG0.5-95-2	ABPWG0.5-95-3	ABPWG0.5-95-4	0.099	1.85×10^{-5}	0.41
ABPWG0.5-100-1	ABPWG0.5-100-2	ABPWG0.5-100-3	ABPWG0.5-100-4	0.106	2.24×10^{-5}	0.42
ABPWG0.5-105-1	ABPWG0.5-105-2	ABPWG0.5-105-3	ABPWG0.5-105-4	0.127	2.87×10^{-5}	0.47
ABPWG0.5-110-1	ABPWG0.5-110-2	ABPWG0.5-110-3	ABPWG0.5-110-4	0.135	3.39×10^{-5}	0.48
ABPWG0.5-115-1	ABPWG0.5-115-2	ABPWG0.5-115-3	ABPWG0.5-115-4	0.144	3.99×10^{-5}	0.49
ABPWG0.5-120-1	ABPWG0.5-120-2	ABPWG0.5-120-3	ABPWG0.5-120-4	0.152	4.68×10^{-5}	0.51
ABPWG0.5-130-1	ABPWG0.5-130-2	ABPWG0.5-130-3	ABPWG0.5-130-4	0.171	6.35×10^{-5}	0.54
ABPWG0.5-140-1	ABPWG0.5-140-2	ABPWG0.5-140-3	ABPWG0.5-140-4	0.254	1.05×10^{-4}	0.65
ABPWG0.5-150-1	ABPWG0.5-150-2	ABPWG0.5-150-3	ABPWG0.5-150-4	0.276	1.31×10^{-4}	0.68
ABPWG0.5-160-1	ABPWG0.5-160-2	ABPWG0.5-160-3	ABPWG0.5-160-4	0.299	1.63×10^{-4}	0.71
ABPWG0.5-170-1	ABPWG0.5-170-2	ABPWG0.5-170-3	ABPWG0.5-170-4	0.323	2.02×10^{-4}	0.74
ABPWG0.5-180-1	ABPWG0.5-180-2	ABPWG0.5-180-3	ABPWG0.5-180-4	0.373	2.59×10^{-4}	0.80
ABPWG0.5-190-1	ABPWG0.5-190-2	ABPWG0.5-190-3	ABPWG0.5-190-4	0.401	3.15×10^{-4}	0.82
ABPWG0.5-200-1	ABPWG0.5-200-2	ABPWG0.5-200-3	ABPWG0.5-200-4	0.430	3.80×10^{-4}	0.85
ABPWG0.5-210-1	ABPWG0.5-210-2	ABPWG0.5-210-3	ABPWG0.5-210-4	0.460	4.56×10^{-4}	0.88
ABPWG0.5-220-1	ABPWG0.5-220-2	ABPWG0.5-220-3	ABPWG0.5-220-4	0.590	6.16×10^{-4}	1.00
ABPWG0.5-230-1	ABPWG0.5-230-2	ABPWG0.5-230-3	ABPWG0.5-230-4	0.623	7.17×10^{-4}	1.02
ABPWG0.5-240-1	ABPWG0.5-240-2	ABPWG0.5-240-3	ABPWG0.5-240-4	0.658	8.31×10^{-4}	1.05
ABPWG0.5-250-1	ABPWG0.5-250-2	ABPWG0.5-250-3	ABPWG0.5-250-4	0.695	9.62×10^{-4}	1.08

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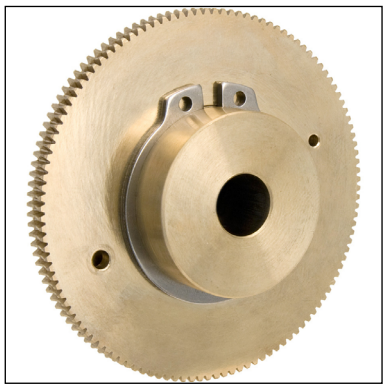
ABPWG 1.0m$_x$

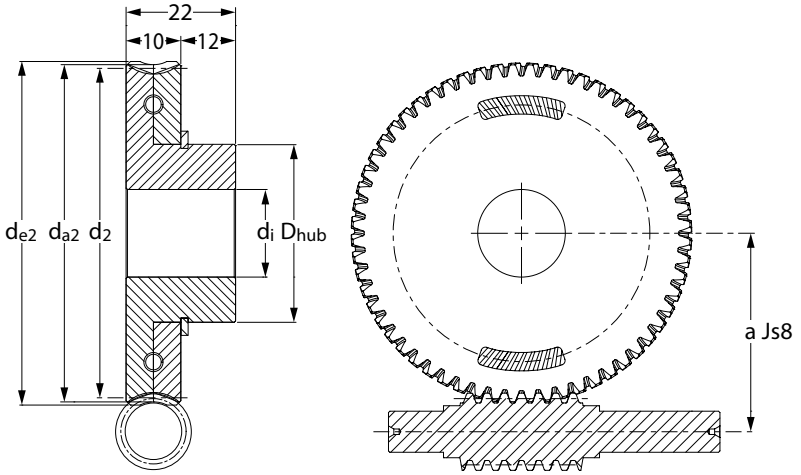
CAD Drawings Available On Request

PRECISION GEARS

1.0 Module Anti-Backlash Wormwheel α 20° PA

Quality Grade Wormwheel 7e25 DIN 3974/3967





DIN 3967 Tooth Thickness tol.

Part Number 1 Start	2 Start	3 Start	4 Start	No. of Teeth z_2	Centre Distance a	Ref. Dia. d_2	Wheel Throat d_{a2}	Tip Dia. d_{e2}	Bore Dia. H7 d_i	Max. Bore Dia. H7 d_i	Hub Dia. D_{hub}
ABPWG1.0-38-1	ABPWG1.0-38-2	ABPWG1.0-38-3	ABPWG1.0-38-4	38	26.5	38	40	41	8	10	20
ABPWG1.0-40-1	ABPWG1.0-40-2	ABPWG1.0-40-3	ABPWG1.0-40-4	40	27.5	40	42	43	8	10	20
ABPWG1.0-42-1	ABPWG1.0-42-2	ABPWG1.0-42-3	ABPWG1.0-42-4	42	28.5	42	44	45	8	10	20
ABPWG1.0-45-1	ABPWG1.0-45-2	ABPWG1.0-45-3	ABPWG1.0-45-4	45	30.0	45	47	48	8	10	20
ABPWG1.0-48-1	ABPWG1.0-48-2	ABPWG1.0-48-3	ABPWG1.0-48-4	48	31.5	48	50	51	8	10	20
ABPWG1.0-50-1	ABPWG1.0-50-2	ABPWG1.0-50-3	ABPWG1.0-50-4	50	32.5	50	52	53	8	10	20
ABPWG1.0-52-1	ABPWG1.0-52-2	ABPWG1.0-52-3	ABPWG1.0-52-4	52	33.5	52	54	55	8	10	20
ABPWG1.0-55-1	ABPWG1.0-55-2	ABPWG1.0-55-3	ABPWG1.0-55-4	55	35.0	55	57	58	8	10	20
ABPWG1.0-58-1	ABPWG1.0-58-2	ABPWG1.0-58-3	ABPWG1.0-58-4	58	36.5	58	60	61	10	20	35
ABPWG1.0-60-1	ABPWG1.0-60-2	ABPWG1.0-60-3	ABPWG1.0-60-4	60	37.5	60	62	63	10	20	35
ABPWG1.0-62-1	ABPWG1.0-62-2	ABPWG1.0-62-3	ABPWG1.0-62-4	62	38.5	62	64	65	10	20	35
ABPWG1.0-65-1	ABPWG1.0-65-2	ABPWG1.0-65-3	ABPWG1.0-65-4	65	40.0	65	67	68	10	20	35
ABPWG1.0-68-1	ABPWG1.0-68-2	ABPWG1.0-68-3	ABPWG1.0-68-4	68	41.5	68	70	71	10	20	35
ABPWG1.0-70-1	ABPWG1.0-70-2	ABPWG1.0-70-3	ABPWG1.0-70-4	70	42.5	70	72	73	10	20	35
ABPWG1.0-72-1	ABPWG1.0-72-2	ABPWG1.0-72-3	ABPWG1.0-72-4	72	43.5	72	74	75	10	20	35
ABPWG1.0-75-1	ABPWG1.0-75-2	ABPWG1.0-75-3	ABPWG1.0-75-4	75	45.0	75	77	78	10	20	35
ABPWG1.0-78-1	ABPWG1.0-78-2	ABPWG1.0-78-3	ABPWG1.0-78-4	78	46.5	78	80	81	12	25	45
ABPWG1.0-80-1	ABPWG1.0-80-2	ABPWG1.0-80-3	ABPWG1.0-80-4	80	47.5	80	82	83	12	25	45
ABPWG1.0-82-1	ABPWG1.0-82-2	ABPWG1.0-82-3	ABPWG1.0-82-4	82	48.5	82	84	85	12	25	45
ABPWG1.0-85-1	ABPWG1.0-85-2	ABPWG1.0-85-3	ABPWG1.0-85-4	85	50.0	85	87	88	12	25	45
ABPWG1.0-90-1	ABPWG1.0-90-2	ABPWG1.0-90-3	ABPWG1.0-90-4	90	52.5	90	92	93	12	25	45
ABPWG1.0-95-1	ABPWG1.0-95-2	ABPWG1.0-95-3	ABPWG1.0-95-4	95	55.0	95	97	98	12	25	45
ABPWG1.0-100-1	ABPWG1.0-100-2	ABPWG1.0-100-3	ABPWG1.0-100-4	100	57.5	100	102	103	14	40	65
ABPWG1.0-105-1	ABPWG1.0-105-2	ABPWG1.0-105-3	ABPWG1.0-105-4	105	60.0	105	107	108	14	40	65
ABPWG1.0-110-1	ABPWG1.0-110-2	ABPWG1.0-110-3	ABPWG1.0-110-4	110	62.5	110	112	113	14	40	65
ABPWG1.0-115-1	ABPWG1.0-115-2	ABPWG1.0-115-3	ABPWG1.0-115-4	115	65.0	115	117	118	14	40	65
ABPWG1.0-120-1	ABPWG1.0-120-2	ABPWG1.0-120-3	ABPWG1.0-120-4	120	67.5	120	122	123	14	40	65
ABPWG1.0-125-1	ABPWG1.0-125-2	ABPWG1.0-125-3	ABPWG1.0-125-4	125	70.0	125	127	128	14	40	65

+44 (0)1246 455500
+44 (0)1246 455522
ondrives
sales@ondrives.com
www.ondrives.com
Product information updated March 2017 and subject to change. Please click the product links for prices and availability.
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ABPWG 1.0m$_x$

CAD Drawings Available On Request

PRECISION GEARS

1.0 Module Anti-Backlash Wormwheel α 20° PA

Quality Grade Wormwheel 7e25 DIN 3974/3967

Standard Part	**ABPWG**	**1.0**	**50**	***1***			
Modified Part	ABPWG	1.0	50	***3***	**10**	**K**	**T**

ABPWG - Anti-Backlash Precision Worm Gear
Quality Grade 7e25 DIN 3974/3967
Other Quality Grades available.
See Technical

m$_x$ Module - Cut with DIN 867 1.25/0.20/1.0
Ref. Tooth Profile Topping WD = 2.25 x m$_x$

Number of Teeth **z**

Number of Starts on Worm
Ratio = $\frac{(z_2)\text{ No. of teeth on wheel}}{(z_1)\text{ No. of starts on worm}}$

T = 1 x Tapped hole **2T** = 2 x Tapped holes
P = 1 x Pin Hole **PT** = 1 x Pin Hole through
All threads metric as standard.
See Technical

K- Keyway supplied to
DIN 6885 - Js9 tolerance.
See Technical

To specify different bore enter size required
Example: 10 = 10mm H7 etc
See Technical

Material: Bronze CA104. RH lead angle.

Part Number				Mass	I	Torque
1 Start	2 Start	3 Start	4 Start	Kg	Inertia *Kgm²*	T_2 Nm $n_2$100 Rpm
ABPWG1.0-38-1	ABPWG1.0-38-2	ABPWG1.0-38-3	ABPWG1.0-38-4	0.108	1.23×10^{-5}	0.35
ABPWG1.0-40-1	ABPWG1.0-40-2	ABPWG1.0-40-3	ABPWG1.0-40-4	0.117	1.51×10^{-5}	0.37
ABPWG1.0-42-1	ABPWG1.0-42-2	ABPWG1.0-42-3	ABPWG1.0-42-4	0.127	1.85×10^{-5}	0.38
ABPWG1.0-45-1	ABPWG1.0-45-2	ABPWG1.0-45-3	ABPWG1.0-45-4	0.143	2.45×10^{-5}	0.40
ABPWG1.0-48-1	ABPWG1.0-48-2	ABPWG1.0-48-3	ABPWG1.0-48-4	0.159	3.20×10^{-5}	0.42
ABPWG1.0-50-1	ABPWG1.0-50-2	ABPWG1.0-50-3	ABPWG1.0-50-4	0.171	3.79×10^{-5}	0.43
ABPWG1.0-52-1	ABPWG1.0-52-2	ABPWG1.0-52-3	ABPWG1.0-52-4	0.183	4.46×10^{-5}	0.44
ABPWG1.0-55-1	ABPWG1.0-55-2	ABPWG1.0-55-3	ABPWG1.0-55-4	0.202	5.63×10^{-5}	0.46
ABPWG1.0-58-1	ABPWG1.0-58-2	ABPWG1.0-58-3	ABPWG1.0-58-4	0.277	7.89×10^{-5}	0.47
ABPWG1.0-60-1	ABPWG1.0-60-2	ABPWG1.0-60-3	ABPWG1.0-60-4	0.291	8.94×10^{-5}	0.48
ABPWG1.0-62-1	ABPWG1.0-62-2	ABPWG1.0-62-3	ABPWG1.0-62-4	0.306	1.01×10^{-4}	0.49
ABPWG1.0-65-1	ABPWG1.0-65-2	ABPWG1.0-65-3	ABPWG1.0-65-4	0.328	1.21×10^{-4}	0.51
ABPWG1.0-68-1	ABPWG1.0-68-2	ABPWG1.0-68-3	ABPWG1.0-68-4	0.352	1.44×10^{-4}	0.52
ABPWG1.0-70-1	ABPWG1.0-70-2	ABPWG1.0-70-3	ABPWG1.0-70-4	0.369	1.61×10^{-4}	0.53
ABPWG1.0-72-1	ABPWG1.0-72-2	ABPWG1.0-72-3	ABPWG1.0-72-4	0.386	1.80×10^{-4}	0.54
ABPWG1.0-75-1	ABPWG1.0-75-2	ABPWG1.0-75-3	ABPWG1.0-75-4	0.412	2.12×10^{-4}	0.56
ABPWG1.0-78-1	ABPWG1.0-78-2	ABPWG1.0-78-3	ABPWG1.0-78-4	0.491	2.64×10^{-4}	0.63
ABPWG1.0-80-1	ABPWG1.0-80-2	ABPWG1.0-80-3	ABPWG1.0-80-4	0.510	2.90×10^{-4}	0.64
ABPWG1.0-82-1	ABPWG1.0-82-2	ABPWG1.0-82-3	ABPWG1.0-82-4	0.529	3.19×10^{-4}	0.65
ABPWG1.0-85-1	ABPWG1.0-85-2	ABPWG1.0-85-3	ABPWG1.0-85-4	0.559	3.65×10^{-4}	0.66
ABPWG1.0-90-1	ABPWG1.0-90-2	ABPWG1.0-90-3	ABPWG1.0-90-4	0.611	4.55×10^{-4}	0.69
ABPWG1.0-95-1	ABPWG1.0-95-2	ABPWG1.0-95-3	ABPWG1.0-95-4	0.666	5.62×10^{-4}	0.72
ABPWG1.0-100-1	ABPWG1.0-100-2	ABPWG1.0-100-3	ABPWG1.0-100-4	0.875	7.95×10^{-4}	0.85
ABPWG1.0-105-1	ABPWG1.0-105-2	ABPWG1.0-105-3	ABPWG1.0-105-4	0.936	9.41×10^{-4}	0.87
ABPWG1.0-110-1	ABPWG1.0-110-2	ABPWG1.0-110-3	ABPWG1.0-110-4	1.000	1.11×10^{-3}	0.90
ABPWG1.0-115-1	ABPWG1.0-115-2	ABPWG1.0-115-3	ABPWG1.0-115-4	1.067	1.31×10^{-3}	0.93
ABPWG1.0-120-1	ABPWG1.0-120-2	ABPWG1.0-120-3	ABPWG1.0-120-4	1.137	1.53×10^{-3}	0.95
ABPWG1.0-125-1	ABPWG1.0-125-2	ABPWG1.0-125-3	ABPWG1.0-125-4	1.211	1.78×10^{-3}	0.97

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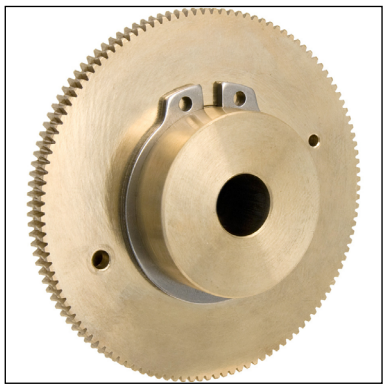
ABPWG 1.5mx

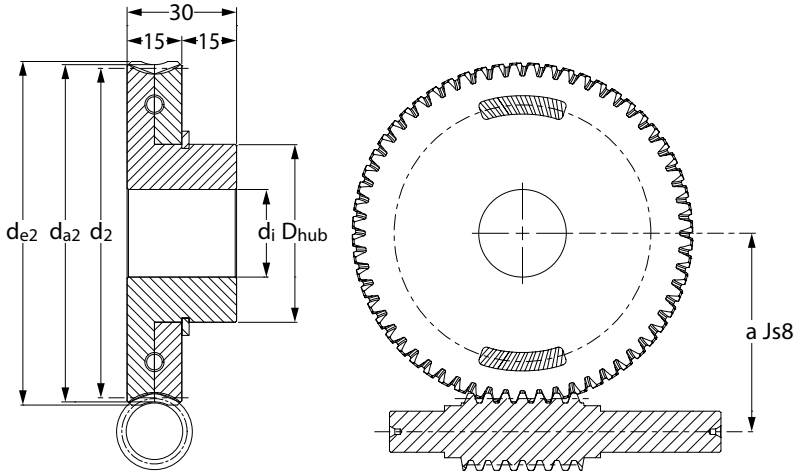
CAD Drawings Available On Request

PRECISION GEARS

1.5 Module Anti-Backlash Wormwheel α 20° PA

Quality Grade Wormwheel 7e25 DIN 3974/3967





DIN 3967 Tooth Thickness tol.

Part Number 1 Start	2 Start	3 Start	4 Start	No. of Teeth z_2	Centre Distance a	Ref. Dia. d_2	Wheel Throat d_{a2}	Tip Dia. d_{e2}	Bore Dia. H7 d_i	Max. Bore Dia. H7 d_i	Hub Dia. D_{hub}
ABPWG1.5-28-1	ABPWG1.5-28-2	ABPWG1.5-28-3	ABPWG1.5-28-4	28	31.00	42.0	45.0	46.5	8	12	22
ABPWG1.5-29-1	ABPWG1.5-29-2	ABPWG1.5-29-3	ABPWG1.5-29-4	29	31.75	43.5	46.5	48.0	8	12	22
ABPWG1.5-30-1	ABPWG1.5-30-2	ABPWG1.5-30-3	ABPWG1.5-30-4	30	32.50	45.0	48.0	49.5	8	12	22
ABPWG1.5-32-1	ABPWG1.5-32-2	ABPWG1.5-32-3	ABPWG1.5-32-4	32	34.00	48.0	51.0	52.5	8	12	22
ABPWG1.5-35-1	ABPWG1.5-35-2	ABPWG1.5-35-3	ABPWG1.5-35-4	35	36.25	52.5	55.5	57.0	8	12	22
ABPWG1.5-38-1	ABPWG1.5-38-2	ABPWG1.5-38-3	ABPWG1.5-38-4	38	38.50	57.0	60.0	61.5	8	12	22
ABPWG1.5-40-1	ABPWG1.5-40-2	ABPWG1.5-40-3	ABPWG1.5-40-4	40	40.00	60.0	63.0	64.5	8	12	22
ABPWG1.5-42-1	ABPWG1.5-42-2	ABPWG1.5-42-3	ABPWG1.5-42-4	42	41.50	63.0	66.0	67.5	10	20	35
ABPWG1.5-45-1	ABPWG1.5-45-2	ABPWG1.5-45-3	ABPWG1.5-45-4	45	43.75	67.5	70.5	72.0	10	20	35
ABPWG1.5-48-1	ABPWG1.5-48-2	ABPWG1.5-48-3	ABPWG1.5-48-4	48	46.00	72.0	75.0	76.5	10	20	35
ABPWG1.5-50-1	ABPWG1.5-50-2	ABPWG1.5-50-3	ABPWG1.5-50-4	50	47.50	75.0	78.0	79.5	10	20	35
ABPWG1.5-52-1	ABPWG1.5-52-2	ABPWG1.5-52-3	ABPWG1.5-52-4	52	49.00	78.0	81.0	82.5	10	20	35
ABPWG1.5-55-1	ABPWG1.5-55-2	ABPWG1.5-55-3	ABPWG1.5-55-4	55	51.25	82.5	85.5	87.0	12	25	45
ABPWG1.5-58-1	ABPWG1.5-58-2	ABPWG1.5-58-3	ABPWG1.5-58-4	58	53.50	87.0	90.0	91.5	12	25	45
ABPWG1.5-60-1	ABPWG1.5-60-2	ABPWG1.5-60-3	ABPWG1.5-60-4	60	55.00	90.0	93.0	94.5	12	25	45
ABPWG1.5-62-1	ABPWG1.5-62-2	ABPWG1.5-62-3	ABPWG1.5-62-4	62	56.50	93.0	96.0	97.5	12	25	45
ABPWG1.5-65-1	ABPWG1.5-65-2	ABPWG1.5-65-3	ABPWG1.5-65-4	65	58.75	97.5	100.5	102.0	12	25	45
ABPWG1.5-68-1	ABPWG1.5-68-2	ABPWG1.5-68-3	ABPWG1.5-68-4	68	61.00	102.0	105.0	106.5	14	40	65
ABPWG1.5-70-1	ABPWG1.5-70-2	ABPWG1.5-70-3	ABPWG1.5-70-4	70	62.50	105.0	108.0	109.5	14	40	65
ABPWG1.5-72-1	ABPWG1.5-72-2	ABPWG1.5-72-3	ABPWG1.5-72-4	72	64.00	108.0	111.0	112.5	14	40	65
ABPWG1.5-75-1	ABPWG1.5-75-2	ABPWG1.5-75-3	ABPWG1.5-75-4	75	66.25	112.5	115.5	117.0	14	40	65
ABPWG1.5-78-1	ABPWG1.5-78-2	ABPWG1.5-78-3	ABPWG1.5-78-4	78	68.50	117.0	120.0	121.5	14	40	65
ABPWG1.5-80-1	ABPWG1.5-80-2	ABPWG1.5-80-3	ABPWG1.5-80-4	80	70.00	120.0	123.0	124.5	14	40	65
ABPWG1.5-82-1	ABPWG1.5-82-2	ABPWG1.5-82-3	ABPWG1.5-82-4	82	71.50	123.0	126.0	127.5	16	40	65

+44 (0)1246 455500
+44 (0)1246 455522
ondrives
sales@ondrives.com
www.ondrives.com

Product information updated March 2017 and subject to change. Please click the product links for prices and availability.

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ABPWG 1.5m$_x$

CAD Drawings Available On Request

PRECISION GEARS

1.5 Module Anti-Backlash Wormwheel α 20° PA

Quality Grade Wormwheel 7e25 DIN 3974/3967

Standard Part ABPWG 1.5 - 50 1 [ ] [ ] [ ]

Modified Part ABPWG 1.5 - 50 3 12 K T

ABPWG - Anti-Backlash Precision Worm Gear
Quality Grade 7e25 DIN 3974/3967
Other Quality Grades available.
See Technical

m$_x$ Module - Cut with DIN 867 1.25/0.20/1.0
Ref. Tooth Profile Topping WD = 2.25 x m$_x$

Number of Teeth **z**

Number of Starts on Worm
Ratio = $\frac{(z_2)\text{ No. of teeth on wheel}}{(z_1)\text{ No. of starts on worm}}$

T = 1 x Tapped hole **2T** = 2 x Tapped holes
P = 1 x Pin Hole **PT** = 1 x Pin Hole through
All threads metric as standard.
See Technical

K- Keyway supplied to
DIN 6885 - Js9 tolerance.
See Technical

To specify different bore enter size required
Example: 12 = 12mm H7 etc
See Technical

Material: Bronze CA104. RH lead angle.

Part Number				Mass	I Inertia	Torque T_2 Nm
1 Start	2 Start	3 Start	4 Start	Kg	*Kgm²*	$n_2$100 Rpm
ABPWG1.5-28-1	ABPWG1.5-28-2	ABPWG1.5-28-3	ABPWG1.5-28-4	0.194	2.65×10^{-5}	0.68
ABPWG1.5-29-1	ABPWG1.5-29-2	ABPWG1.5-29-3	ABPWG1.5-29-4	0.205	3.06×10^{-5}	0.69
ABPWG1.5-30-1	ABPWG1.5-30-2	ABPWG1.5-30-3	ABPWG1.5-30-4	0.217	3.50×10^{-5}	0.71
ABPWG1.5-32-1	ABPWG1.5-32-2	ABPWG1.5-32-3	ABPWG1.5-32-4	0.242	4.56×10^{-5}	0.74
ABPWG1.5-35-1	ABPWG1.5-35-2	ABPWG1.5-35-3	ABPWG1.5-35-4	0.283	6.59×10^{-5}	0.80
ABPWG1.5-38-1	ABPWG1.5-38-2	ABPWG1.5-38-3	ABPWG1.5-38-4	0.327	9.27×10^{-5}	0.85
ABPWG1.5-40-1	ABPWG1.5-40-2	ABPWG1.5-40-3	ABPWG1.5-40-4	0.359	1.15×10^{-4}	0.88
ABPWG1.5-42-1	ABPWG1.5-42-2	ABPWG1.5-42-3	ABPWG1.5-42-4	0.452	1.50×10^{-4}	1.07
ABPWG1.5-45-1	ABPWG1.5-45-2	ABPWG1.5-45-3	ABPWG1.5-45-4	0.504	1.97×10^{-4}	1.12
ABPWG1.5-48-1	ABPWG1.5-48-2	ABPWG1.5-48-3	ABPWG1.5-48-4	0.561	2.54×10^{-4}	1.17
ABPWG1.5-50-1	ABPWG1.5-50-2	ABPWG1.5-50-3	ABPWG1.5-50-4	0.600	2.99×10^{-4}	1.20
ABPWG1.5-52-1	ABPWG1.5-52-2	ABPWG1.5-52-3	ABPWG1.5-52-4	0.642	3.51×10^{-4}	1.23
ABPWG1.5-55-1	ABPWG1.5-55-2	ABPWG1.5-55-3	ABPWG1.5-55-4	0.770	4.60×10^{-4}	1.47
ABPWG1.5-58-1	ABPWG1.5-58-2	ABPWG1.5-58-3	ABPWG1.5-58-4	0.838	5.65×10^{-4}	1.52
ABPWG1.5-60-1	ABPWG1.5-60-2	ABPWG1.5-60-3	ABPWG1.5-60-4	0.886	6.46×10^{-4}	1.55
ABPWG1.5-62-1	ABPWG1.5-62-2	ABPWG1.5-62-3	ABPWG1.5-62-4	0.935	7.36×10^{-4}	1.59
ABPWG1.5-65-1	ABPWG1.5-65-2	ABPWG1.5-65-3	ABPWG1.5-65-4	1.012	8.88×10^{-4}	1.64
ABPWG1.5-68-1	ABPWG1.5-68-2	ABPWG1.5-68-3	ABPWG1.5-68-4	1.280	1.20×10^{-3}	1.93
ABPWG1.5-70-1	ABPWG1.5-70-2	ABPWG1.5-70-3	ABPWG1.5-70-4	1.335	1.33×10^{-3}	1.97
ABPWG1.5-72-1	ABPWG1.5-72-2	ABPWG1.5-72-3	ABPWG1.5-72-4	1.393	1.47×10^{-3}	2.00
ABPWG1.5-75-1	ABPWG1.5-75-2	ABPWG1.5-75-3	ABPWG1.5-75-4	1.482	1.71×10^{-3}	2.06
ABPWG1.5-78-1	ABPWG1.5-78-2	ABPWG1.5-78-3	ABPWG1.5-78-4	1.574	1.98×10^{-3}	2.11
ABPWG1.5-80-1	ABPWG1.5-80-2	ABPWG1.5-80-3	ABPWG1.5-80-4	1.638	2.18×10^{-3}	2.15
ABPWG1.5-82-1	ABPWG1.5-82-2	ABPWG1.5-82-3	ABPWG1.5-82-4	1.692	2.38×10^{-3}	2.18

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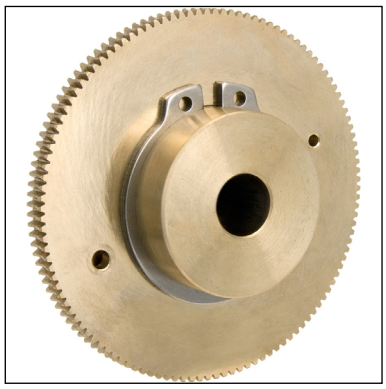
ABPWG 2.0mx

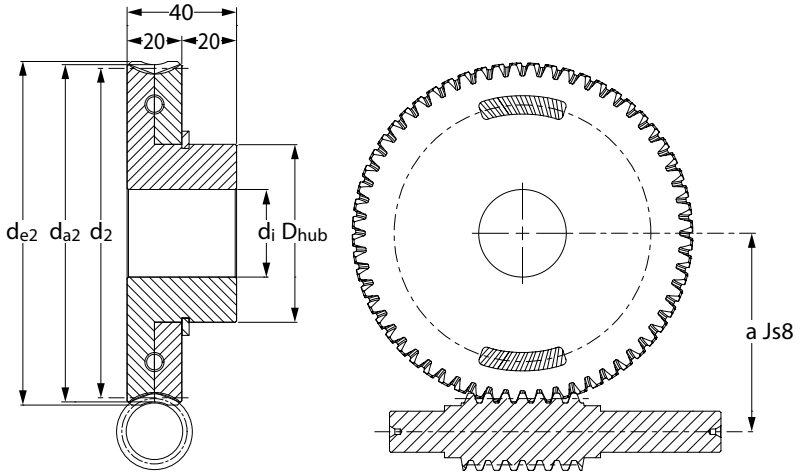
CAD Drawings Available On Request

PRECISION GEARS

2.0 Module Anti-Backlash Wormwheel α 20° PA

Quality Grade Wormwheel 7e25 DIN 3974/3967





DIN 3967 Tooth Thickness tol.

Part Number 1 Start	2 Start	3 Start	4 Start	No. of Teeth z_2	Centre Distance a	Ref. Dia. d_2	Wheel Throat d_{a2}	Tip Dia. d_{e2}	Bore Dia. H7 d_i	Max. Bore Dia. H7 d_i	Hub Dia. D_{hub}
ABPWG2.0-38-1	ABPWG2.0-38-2	ABPWG2.0-38-3	ABPWG2.0-38-4	38	50.5	76	80	82	12	22	40
ABPWG2.0-40-1	ABPWG2.0-40-2	ABPWG2.0-40-3	ABPWG2.0-40-4	40	52.5	80	84	86	12	22	40
ABPWG2.0-42-1	ABPWG2.0-42-2	ABPWG2.0-42-3	ABPWG2.0-42-4	42	54.5	84	88	90	12	22	40
ABPWG2.0-45-1	ABPWG2.0-45-2	ABPWG2.0-45-3	ABPWG2.0-45-4	45	57.5	90	94	96	12	22	40
ABPWG2.0-48-1	ABPWG2.0-48-2	ABPWG2.0-48-3	ABPWG2.0-48-4	48	60.5	96	100	102	12	22	40
ABPWG2.0-50-1	ABPWG2.0-50-2	ABPWG2.0-50-3	ABPWG2.0-50-4	50	62.5	100	104	106	16	40	65
ABPWG2.0-52-1	ABPWG2.0-52-2	ABPWG2.0-52-3	ABPWG2.0-52-4	52	64.5	104	108	110	16	40	65
ABPWG2.0-55-1	ABPWG2.0-55-2	ABPWG2.0-55-3	ABPWG2.0-55-4	55	67.5	110	114	116	16	40	65
ABPWG2.0-58-1	ABPWG2.0-58-2	ABPWG2.0-58-3	ABPWG2.0-58-4	58	70.5	116	120	122	16	40	65
ABPWG2.0-60-1	ABPWG2.0-60-2	ABPWG2.0-60-3	ABPWG2.0-60-4	60	72.5	120	124	126	16	40	65
ABPWG2.0-62-1	ABPWG2.0-62-2	ABPWG2.0-62-3	ABPWG2.0-62-4	62	74.5	124	128	130	16	40	65

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ABPWG 2.0m$_x$

CAD Drawings Available On Request

PRECISION GEARS

2.0 Module Anti-Backlash Wormwheel α 20° PA

Quality Grade Wormwheel 7e25 DIN 3974/3967

Standard Part	**ABPWG**	**2.0**	**50**	***1***			
Modified Part	ABPWG	2.0	50	***3***	**20**	**K**	**T**

ABPWG - Anti-Backlash Precision Worm Gear
Quality Grade 7e25 DIN 3974/3967
Other Quality Grades available.
See Technical

m$_x$ Module - Cut with DIN 867 1.25/0.20/1.0
Ref. Tooth Profile Topping WD = 2.25 x m$_x$

Number of Teeth **z**

Number of Starts on Worm
Ratio = $\frac{(z_2)\text{ No. of teeth on wheel}}{(z_1)\text{ No. of starts on worm}}$

T = 1 x Tapped hole **2T** = 2 x Tapped holes
P = 1 x Pin Hole **PT** = 1 x Pin Hole through
All threads metric as standard.
See Technical

K- Keyway supplied to
DIN 6885 - Js9 tolerance.
See Technical

To specify different bore enter size required
Example: 20 = 20mm H7 etc
See Technical

Material: Bronze CA104. RH lead angle.

Part Number				Mass	I	Torque
1 Start	2 Start	3 Start	4 Start	Kg	Inertia *Kgm²*	T_2 Nm $n_2$100 Rpm
ABPWG2.0-38-1	ABPWG2.0-38-2	ABPWG2.0-38-3	ABPWG2.0-38-4	0.857	4.10×10^{-4}	2.74
ABPWG2.0-40-1	ABPWG2.0-40-2	ABPWG2.0-40-3	ABPWG2.0-40-4	0.931	5.02×10^{-4}	2.84
ABPWG2.0-42-1	ABPWG2.0-42-2	ABPWG2.0-42-3	ABPWG2.0-42-4	1.010	6.11×10^{-4}	2.94
ABPWG2.0-45-1	ABPWG2.0-45-2	ABPWG2.0-45-3	ABPWG2.0-45-4	1.135	8.07×10^{-4}	3.09
ABPWG2.0-48-1	ABPWG2.0-48-2	ABPWG2.0-48-3	ABPWG2.0-48-4	1.269	1.05×10^{-3}	3.24
ABPWG2.0-50-1	ABPWG2.0-50-2	ABPWG2.0-50-3	ABPWG2.0-50-4	1.648	1.42×10^{-3}	3.96
ABPWG2.0-52-1	ABPWG2.0-52-2	ABPWG2.0-52-3	ABPWG2.0-52-4	1.746	1.63×10^{-3}	4.06
ABPWG2.0-55-1	ABPWG2.0-55-2	ABPWG2.0-55-3	ABPWG2.0-55-4	1.900	2.00×10^{-3}	4.20
ABPWG2.0-58-1	ABPWG2.0-58-2	ABPWG2.0-58-3	ABPWG2.0-58-4	2.062	2.45×10^{-3}	4.35
ABPWG2.0-60-1	ABPWG2.0-60-2	ABPWG2.0-60-3	ABPWG2.0-60-4	2.175	2.79×10^{-3}	4.45
ABPWG2.0-62-1	ABPWG2.0-62-2	ABPWG2.0-62-3	ABPWG2.0-62-4	2.291	3.17×10^{-3}	4.55

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ABPWG 2.5mx

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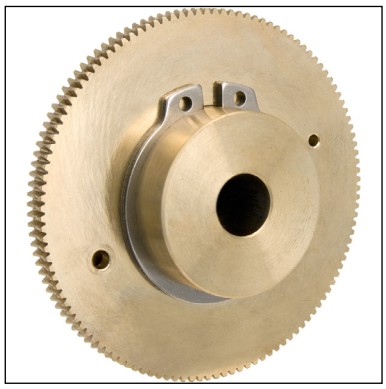
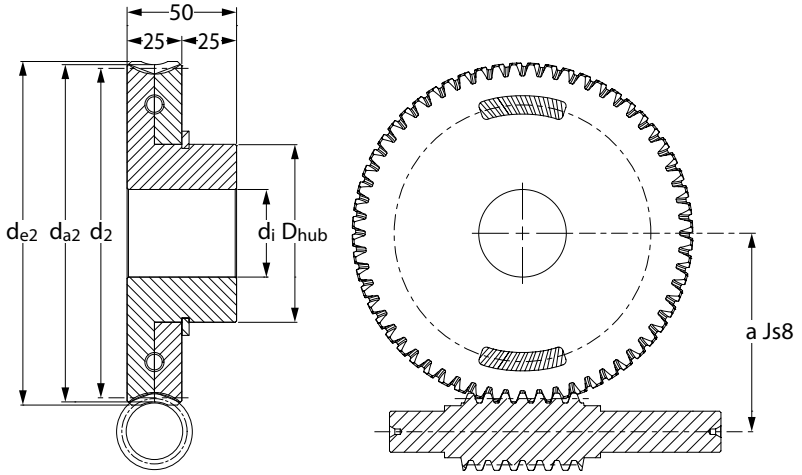
PRECISION GEARS

2.5 Module Anti-Backlash Wormwheel α 20° PA

Quality Grade Wormwheel 7e25 DIN 3974/3967





DIN 3967 Tooth Thickness tol.

Part Number 1 Start	2 Start	3 Start	4 Start	No. of Teeth z_2	Centre Distance a	Ref. Dia. d_2	Wheel Throat d_{a2}	Tip Dia. d_{e2}	Bore Dia. H7 d_i	Max. Bore Dia. H7 d_i	Hub Dia. D_{hub}
ABPWG2.5-30-1	ABPWG2.5-30-2	ABPWG2.5-30-3	ABPWG2.5-30-4	30	55.00	75.0	80.0	82.5	12	20	35
ABPWG2.5-32-1	ABPWG2.5-32-2	ABPWG2.5-32-3	ABPWG2.5-32-4	32	57.50	80.0	85.0	87.5	14	25	45
ABPWG2.5-35-1	ABPWG2.5-35-2	ABPWG2.5-35-3	ABPWG2.5-35-4	35	61.25	87.5	92.5	95.0	14	25	45
ABPWG2.5-38-1	ABPWG2.5-38-2	ABPWG2.5-38-3	ABPWG2.5-38-4	38	65.00	95.0	100.0	102.5	14	25	45
ABPWG2.5-40-1	ABPWG2.5-40-2	ABPWG2.5-40-3	ABPWG2.5-40-4	40	67.50	100.0	105.0	107.5	14	25	45
ABPWG2.5-42-1	ABPWG2.5-42-2	ABPWG2.5-42-3	ABPWG2.5-42-4	42	70.00	105.0	110.0	112.5	16	40	65
ABPWG2.5-45-1	ABPWG2.5-45-2	ABPWG2.5-45-3	ABPWG2.5-45-4	45	73.75	112.5	117.5	120.0	16	40	65
ABPWG2.5-48-1	ABPWG2.5-48-2	ABPWG2.5-48-3	ABPWG2.5-48-4	48	77.50	120.0	125.0	127.5	16	40	65
ABPWG2.5-50-1	ABPWG2.5-50-2	ABPWG2.5-50-3	ABPWG2.5-50-4	50	80.00	125.0	130.0	132.50	16	40	65

+44 (0)1246 455500
+44 (0)1246 455522
ondrives
sales@ondrives.com
www.ondrives.com
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ABPWG 2.5m$_x$

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PRECISION GEARS

2.5 Module Anti-Backlash Wormwheel α 20° PA

Quality Grade Wormwheel 7e25 DIN 3974/3967

Standard Part **ABPWG 2.5 - 40 1 [ ] [ ] [ ]**

Modified Part ABPWG 2.5 - 40 **3** **20** **K** **T**

ABPWG - Anti-Backlash Precision Worm Gear
Quality Grade 7e25 DIN 3974/3967
Other Quality Grades available.
See Technical

m$_x$ Module - Cut with DIN 867 1.25/0.20/1.0
Ref. Tooth Profile Topping WD = 2.25 x m$_x$

Number of Teeth **z**

Number of Starts on Worm
Ratio = $\frac{(z_2)\text{ No. of teeth on wheel}}{(z_1)\text{ No. of starts on worm}}$

T = 1 x Tapped hole **2T** = 2 x Tapped holes
P = 1 x Pin Hole **PT** = 1 x Pin Hole through
All threads metric as standard.
See Technical

K- Keyway supplied to
DIN 6885 - Js9 tolerance.
See Technical

To specify different bore enter size required
Example: 20 = 20mm H7 etc
See Technical

Material: Bronze CA104. RH lead angle.

Part Number				Mass	I	Torque
1 Start	2 Start	3 Start	4 Start	Kg	Inertia *Kgm²*	T_2 Nm $n_2$100 Rpm
ABPWG2.5-30-1	ABPWG2.5-30-2	ABPWG2.5-30-3	ABPWG2.5-30-4	0.998	4.53×10^{-4}	2.73
ABPWG2.5-32-1	ABPWG2.5-32-2	ABPWG2.5-32-3	ABPWG2.5-32-4	1.218	6.19×10^{-4}	3.13
ABPWG2.5-35-1	ABPWG2.5-35-2	ABPWG2.5-35-3	ABPWG2.5-35-4	1.406	8.80×10^{-4}	3.33
ABPWG2.5-38-1	ABPWG2.5-38-2	ABPWG2.5-38-3	ABPWG2.5-38-4	1.611	1.22×10^{-3}	3.52
ABPWG2.5-40-1	ABPWG2.5-40-2	ABPWG2.5-40-3	ABPWG2.5-40-4	1.757	1.51×10^{-3}	3.66
ABPWG2.5-42-1	ABPWG2.5-42-2	ABPWG2.5-42-3	ABPWG2.5-42-4	2.220	2.05×10^{-3}	4.31
ABPWG2.5-45-1	ABPWG2.5-45-2	ABPWG2.5-45-3	ABPWG2.5-45-4	2.464	2.65×10^{-3}	4.51
ABPWG2.5-48-1	ABPWG2.5-48-2	ABPWG2.5-48-3	ABPWG2.5-48-4	2.725	3.39×10^{-3}	4.71
ABPWG2.5-50-1	ABPWG2.5-50-2	ABPWG2.5-50-3	ABPWG2.5-50-4	2.908	3.97×10^{-3}	4.84

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ABPWG 3.0m$_x$

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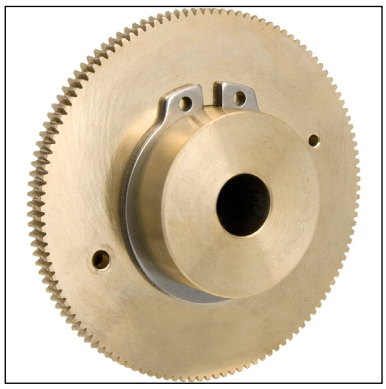
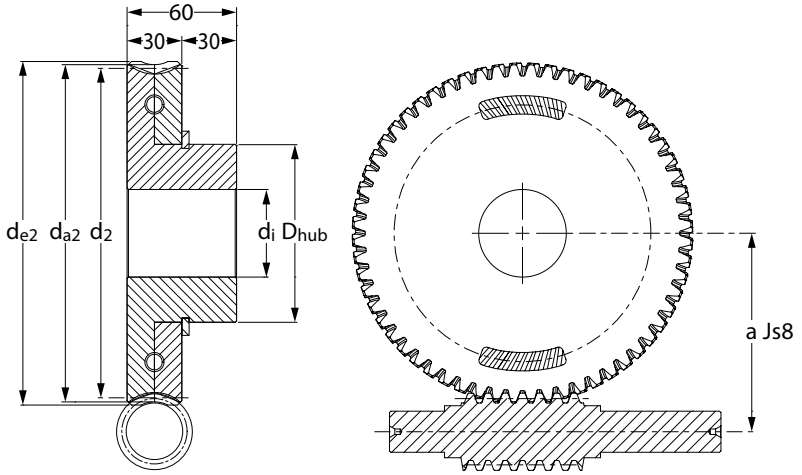
1.5 Module Anti-Backlash Wormwheel α 20° PA

Quality Grade Wormwheel 7e25 DIN 3974/3967





DIN 3967 Tooth Thickness tol.

Part Number 1 Start	2 Start	3 Start	4 Start	No. of Teeth z_2	Centre Distance a	Ref. Dia. d_2	Wheel Throat d_{a2}	Tip Dia. d_{e2}	Bore Dia. H7 d_i	Max. Bore Dia. H7 d_i	Hub Dia. D_{hub}
ABPWG3.0-25-1	ABPWG3.0-25-2	ABPWG3.0-25-3	ABPWG3.0-25-4	25	57.5	75	81	84	12	16	35
ABPWG3.0-26-1	ABPWG3.0-26-2	ABPWG3.0-26-3	ABPWG3.0-26-4	26	59.0	78	84	87	12	16	35
ABPWG3.0-27-1	ABPWG3.0-27-2	ABPWG3.0-27-3	ABPWG3.0-27-4	27	60.5	81	87	90	12	16	35
ABPWG3.0-28-1	ABPWG3.0-28-2	ABPWG3.0-28-3	ABPWG3.0-28-4	28	62.0	84	90	93	12	16	35
ABPWG3.0-29-1	ABPWG3.0-29-2	ABPWG3.0-29-3	ABPWG3.0-29-4	29	63.5	87	93	96	12	16	35
ABPWG3.0-30-1	ABPWG3.0-30-2	ABPWG3.0-30-3	ABPWG3.0-30-4	30	65.0	90	96	99	14	30	50
ABPWG3.0-32-1	ABPWG3.0-32-2	ABPWG3.0-32-3	ABPWG3.0-32-4	32	68.0	96	102	105	14	30	50
ABPWG3.0-35-1	ABPWG3.0-35-2	ABPWG3.0-35-3	ABPWG3.0-35-4	35	72.5	105	111	114	14	30	50
ABPWG3.0-38-1	ABPWG3.0-38-2	ABPWG3.0-38-3	ABPWG3.0-38-4	38	77.0	114	120	123	14	30	50
ABPWG3.0-40-1	ABPWG3.0-40-2	ABPWG3.0-40-3	ABPWG3.0-40-4	40	80.0	120	126	129	16	40	65

+44 (0)1246 455500
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ondrives
sales@ondrives.com
www.ondrives.com

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ABPWG 3.0m$_x$

CAD Drawings Available On Request

PRECISION GEARS

3.0 Module Anti-Backlash Wormwheel α 20° PA

Quality Grade Wormwheel 7e25 DIN 3974/3967

Standard Part	**ABPWG**	**3.0**	**40**	***1***			
Modified Part	ABPWG	3.0	40	***3***	**20**	**K**	**T**

ABPWG - Anti-Backlash Precision Worm Gear
Quality Grade 7e25 DIN 3974/3967
Other Quality Grades available.
See Technical

m$_x$ Module - Cut with DIN 867 1.25/0.20/1.0
Ref. Tooth Profile Topping WD = 2.25 x m$_x$

Number of Teeth **z**

Number of Starts on Worm
Ratio = $\frac{(z_2)\text{ No. of teeth on wheel}}{(z_1)\text{ No. of starts on worm}}$

T = 1 x Tapped hole **2T** = 2 x Tapped holes
P = 1 x Pin Hole **PT** = 1 x Pin Hole through
All threads metric as standard.
See Technical

K- Keyway supplied to
DIN 6885 - Js9 tolerance.
See Technical

To specify different bore enter size required
Example: 20 = 20mm H7 etc
See Technical

Material: Bronze CA104. RH lead angle.

Part Number				Mass	I	Torque
1 Start	**2 Start**	**3 Start**	**4 Start**	**Kg**	**Inertia *Kgm²***	**T_2 Nm $n_2$100 Rpm**
ABPWG3.0-25-1	ABPWG3.0-25-2	ABPWG3.0-25-3	ABPWG3.0-25-4	1.204	5.30×10^{-4}	4.19
ABPWG3.0-26-1	ABPWG3.0-26-2	ABPWG3.0-26-3	ABPWG3.0-26-4	1.287	6.21×10^{-4}	4.31
ABPWG3.0-27-1	ABPWG3.0-27-2	ABPWG3.0-27-3	ABPWG3.0-27-4	1.373	7.25×10^{-4}	4.43
ABPWG3.0-28-1	ABPWG3.0-28-2	ABPWG3.0-28-3	ABPWG3.0-28-4	1.462	8.41×10^{-4}	4.55
ABPWG3.0-29-1	ABPWG3.0-29-2	ABPWG3.0-29-3	ABPWG3.0-29-4	1.555	9.71×10^{-4}	4.68
ABPWG3.0-30-1	ABPWG3.0-30-2	ABPWG3.0-30-3	ABPWG3.0-30-4	1.860	1.19×10^{-3}	5.41
ABPWG3.0-32-1	ABPWG3.0-32-2	ABPWG3.0-32-3	ABPWG3.0-32-4	2.060	1.53×10^{-3}	5.66
ABPWG3.0-35-1	ABPWG3.0-35-2	ABPWG3.0-35-3	ABPWG3.0-35-4	2.386	2.19×10^{-3}	6.02
ABPWG3.0-38-1	ABPWG3.0-38-2	ABPWG3.0-38-3	ABPWG3.0-38-4	2.740	3.05×10^{-3}	6.39
ABPWG3.0-40-1	ABPWG3.0-40-2	ABPWG3.0-40-3	ABPWG3.0-40-4	3.279	3.96×10^{-3}	7.25

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