



GEAR® PRO involute

Not OK

Operator		Master		Customer	
Workpiece number		24062-16T-pinion		Drawing number	
				T7R1-cv1-pcl (3)	
z	16	α_n	20.00000°		
m_n	0.90000 mm	β	0.00000°		
b	4.00000 mm	x	0.19276	d_f/d_a	12.35300/ 16.54700 mm
External/Tooth		d_b	13.53157 mm	b_i/b_o	-3.60000/ -0.40000 mm

Pitch/tooth thickness error

No.	F_{pR} (µm)	F_{pL} (µm)	f_{pR} (µm)	f_{pL} (µm)	f_{uR} (µm)	f_{uL} (µm)	A_s (µm)	M_{rK} (mm)
1	0.000	0.000	1.352	-3.024	4.110	12.426	5.759	8.38138
2	17.844	5.694	17.844	5.694	16.493	8.719	-6.391	8.36433
3	40.692	26.300	22.848	20.606	5.004	14.911	-8.633	8.38596
4	41.153	45.982	0.461	19.681	22.388	0.924	10.589	8.41885
5	29.879	48.991	-11.274	3.010	11.735	16.672	24.874	8.42144
6	31.412	40.849	1.533	-8.142	12.807	11.152	15.199	8.40337
7	41.427	39.298	10.015	-1.551	8.481	6.591	3.634	8.40156
8	41.922	45.539	0.496	6.240	9.519	7.792	9.380	8.42906
9	21.622	41.682	-20.301	-3.856	20.796	10.097	25.825	8.46247
10	-15.536	27.783	-37.158	-13.900	16.857	10.043	49.084	8.46497
11	-33.053	3.975	-17.517	-23.808	19.641	9.908	42.793	8.44423
12	-37.615	-24.151	-4.562	-28.126	12.955	4.318	19.228	8.40602
13	-29.228	-41.844	8.387	-17.693	12.949	10.433	-6.853	8.36604
14	-8.730	-30.495	20.498	11.349	12.111	29.042	-16.004	8.36682
15	1.407	-6.378	10.137	24.117	10.362	12.769	-2.024	8.39394
16	-1.352	3.024	-2.759	9.402	12.895	14.715	10.136	8.40214

A_s [...]		$!AE_s$ [...]		M_{rK} \emptyset 1.55000 [...]	
A_s	0.01104	$!AE_s$	-0.01104	M_{rK}	8.40704 8.39447
Max.	0.04908 0.00000	Max.	0.02924 0.02500	Max.	8.46497 8.39450
Min.	-0.01600 -0.02500	Min.	-0.06660 0.00000	Min.	8.36433 8.36900
S_s [...]		E_s [...]		M_{rK} \emptyset [...]	
S_s	1.55104 1.54000	E_s	1.27640 1.28743	M_{rK}	16.81399 16.78895
Max.	1.58908 1.54000	Max.	1.31667 1.31243	Max.	16.84385 16.78900
Min.	1.52400 1.51500	Min.	1.22083 1.28743	Min.	16.77007 16.73800
W_k [...]		Diameter [...]		M_{rR} \emptyset [...]	
W_k		$D_{a,max}$	16.56611 16.54700	M_{rR}	16.81399 16.78895
Max.		$D_{a,min}$	16.32625 16.39500	Max.	16.84385 16.78900
Min.		$D_{f,max}$		Min.	16.77007 16.73800
R		$D_{f,min}$			