

**COULISSE** Product Reference







# Spur Gears

2015

Technical Engineering Department

Research & Development Department

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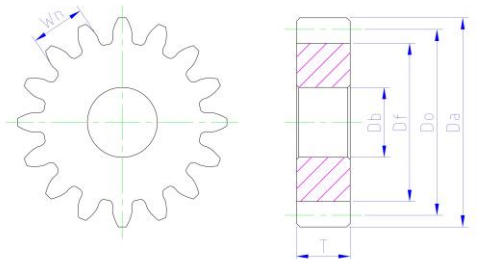
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## Introduction;

This catalogue has been prepared generally for customers, designers, and students. Users should note that the productions of **COULISSE** Company are not limited to those mentioned in this catalogue. **COULISSE** Company is ready to manufacture any kind of gear and sprocket based on your needs and inquiries. **COULISSE** is looking forward to having any kind of technical and commercial cooperation with you. Please keep in touch with us.

Behrouz Mohammadpour  
Technical Engineering Manager

### Table of Spur Gear Mn 2.0

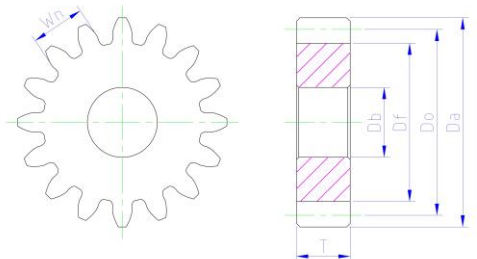
	Item	Symbol				
	Material		DIN 1.0037			
	normal pressure angle	$\psi_n$	20			
	Out Side Diameter	Da	$=mn \times (z+2)$			
	Pitch Diameter	Do	$=mn \times z$			
	Root Diameter	Df	$=Do - 2(mn+0.167)$			
	Bore Diameter	Db	-			
Thickness	T	19				
Dk	0~50	50~150	150~250	250~350	350~450	450~
Tolerance	+0.1/-0.1	+0.2/-0.2	+0.2/-0.3	+0.3/-0.4	+0.3/-0.4	+0.3/-0.6
Other tolerances according to ISO 2768-1 m						

Product Code	mn	z	Wn	Span Size (mm)		Diameter (mm)				T(mm)	Weight (kg)
				max	min	Da	Do	Df	Db		
GS m2-010	2.0	10	2	9.06	9.02	24.0	20.0	15.7	15	19	0.02
GS m2-011	2.0	11	2	9.08	9.04	26.0	22.0	17.7	15	19	0.03
GS m2-012	2.0	12	2	9.11	9.07	28.0	24.0	19.7	15	19	0.04
GS m2-013	2.0	13	2	9.14	9.10	30.0	26.0	21.7	15	19	0.05
GS m2-014	2.0	14	2	9.17	9.13	32.0	28.0	23.7	15	19	0.07
GS m2-015	2.0	15	2	9.20	9.16	34.0	30.0	25.7	15	19	0.08
GS m2-016	2.0	16	3	15.13	15.09	36.0	32.0	27.7	15	19	0.09
GS m2-017	2.0	17	3	15.16	15.12	38.0	34.0	29.7	15	19	0.11
GS m2-018	2.0	18	3	15.18	15.14	40.0	36.0	31.7	15	19	0.13
GS m2-019	2.0	19	3	15.21	15.17	42.0	38.0	33.7	15	19	0.14
GS m2-020	2.0	20	3	15.24	15.20	44.0	40.0	35.7	15	19	0.16
GS m2-021	2.0	21	3	15.27	15.23	46.0	42.0	37.7	15	19	0.18
GS m2-022	2.0	22	3	15.30	15.26	48.0	44.0	39.7	15	19	0.20
GS m2-023	2.0	23	3	15.33	15.29	50.0	46.0	41.7	20	19	0.20
GS m2-024	2.0	24	4	21.26	21.22	52.0	48.0	43.7	20	19	0.22
GS m2-025	2.0	25	4	21.29	21.25	54.0	50.0	45.7	20	19	0.25
GS m2-026	2.0	26	4	21.31	21.27	56.0	52.0	47.7	20	19	0.27
GS m2-027	2.0	27	4	21.34	21.30	58.0	54.0	49.7	20	19	0.30
GS m2-028	2.0	28	4	21.37	21.33	60.0	56.0	51.7	20	19	0.32
GS m2-029	2.0	29	4	21.40	21.36	62.0	58.0	53.7	20	19	0.35
GS m2-030	2.0	30	4	21.43	21.39	64.0	60.0	55.7	20	19	0.38
GS m2-031	2.0	31	4	21.45	21.41	66.0	62.0	57.7	20	19	0.41
GS m2-032	2.0	32	4	21.48	21.44	68.0	64.0	59.7	20	19	0.44
GS m2-033	2.0	33	5	27.41	27.37	70.0	66.0	61.7	20	19	0.47
GS m2-034	2.0	34	5	27.44	27.40	72.0	68.0	63.7	20	19	0.50
GS m2-035	2.0	35	5	27.47	27.43	74.0	70.0	65.7	20	19	0.53
GS m2-036	2.0	36	5	27.50	27.46	76.0	72.0	67.7	20	19	0.56
GS m2-037	2.0	37	5	27.53	27.49	78.0	74.0	69.7	20	19	0.60
GS m2-038	2.0	38	5	27.56	27.52	80.0	76.0	71.7	20	19	0.63
GS m2-039	2.0	39	5	27.58	27.54	82.0	78.0	73.7	20	19	0.67

Product Code	mn	z	Wn	Span Size (mm)		Diameter (mm)				T(mm)	Weight (kg)
				max	min	Da	Do	Df	Db		
GS m2-040	2.0	40	5	27.61	27.57	84.0	80.0	75.7	20	19	0.71
GS m2-041	2.0	41	6	33.54	33.50	86.0	82.0	77.7	20	19	0.74
GS m2-042	2.0	42	6	33.57	33.53	88.0	84.0	79.7	20	19	0.78
GS m2-043	2.0	43	6	33.60	33.56	90.0	86.0	81.7	20	19	0.82
GS m2-044	2.0	44	6	33.63	33.59	92.0	88.0	83.7	20	19	0.86
GS m2-045	2.0	45	6	33.65	33.61	94.0	90.0	85.7	20	19	0.91
GS m2-046	2.0	46	6	33.68	33.64	96.0	92.0	87.7	20	19	0.95
GS m2-047	2.0	47	6	33.71	33.67	98.0	94.0	89.7	20	19	0.99
GS m2-048	2.0	48	6	33.74	33.70	100.0	96.0	91.7	20	19	1.04
GS m2-049	2.0	49	6	33.77	33.73	102.0	98.0	93.7	20	19	1.08
GS m2-050	2.0	50	7	39.70	39.66	104.0	100.0	95.7	20	19	1.13
GS m2-051	2.0	51	7	39.73	39.69	106.0	102.0	97.7	20	19	1.18
GS m2-052	2.0	52	7	39.75	39.71	108.0	104.0	99.7	20	19	1.23
GS m2-053	2.0	53	7	39.78	39.74	110.0	106.0	101.7	20	19	1.28
GS m2-054	2.0	54	7	39.81	39.77	112.0	108.0	103.7	20	19	1.33
GS m2-055	2.0	55	7	39.84	39.80	114.0	110.0	105.7	20	19	1.38
GS m2-056	2.0	56	7	39.87	39.83	116.0	112.0	107.7	20	19	1.43
GS m2-057	2.0	57	7	39.89	39.85	118.0	114.0	109.7	20	19	1.48
GS m2-058	2.0	58	7	39.92	39.88	120.0	116.0	111.7	20	19	1.54
GS m2-059	2.0	59	8	45.85	45.81	122.0	118.0	113.7	20	19	1.59
GS m2-060	2.0	60	8	45.88	45.84	124.0	120.0	115.7	20	19	1.65
GS m2-061	2.0	61	8	45.91	45.87	126.0	122.0	117.7	20	19	1.71
GS m2-062	2.0	62	8	45.94	45.90	128.0	124.0	119.7	20	19	1.76
GS m2-063	2.0	63	8	45.97	45.93	130.0	126.0	121.7	20	19	1.82
GS m2-064	2.0	64	8	45.99	45.95	132.0	128.0	123.7	20	19	1.88
GS m2-065	2.0	65	8	46.02	45.98	134.0	130.0	125.7	20	19	1.94
GS m2-066	2.0	66	8	46.05	46.01	136.0	132.0	127.7	20	19	2.00
GS m2-067	2.0	67	8	46.08	46.04	138.0	134.0	129.7	20	19	2.07
GS m2-068	2.0	68	9	52.01	51.97	140.0	136.0	131.7	20	19	2.13
GS m2-069	2.0	69	9	52.04	52.00	142.0	138.0	133.7	20	19	2.20
GS m2-070	2.0	70	9	52.07	52.03	144.0	140.0	135.7	20	19	2.26
GS m2-071	2.0	71	9	52.10	52.06	146.0	142.0	137.7	20	19	2.33
GS m2-072	2.0	72	9	52.12	52.08	148.0	144.0	139.7	20	19	2.39
GS m2-073	2.0	73	9	52.15	52.11	150.0	146.0	141.7	20	19	2.46
GS m2-074	2.0	74	9	52.18	52.14	152.0	148.0	143.7	20	19	2.53
GS m2-075	2.0	75	9	52.21	52.17	154.0	150.0	145.7	20	19	2.60
GS m2-076	2.0	76	9	52.24	52.20	156.0	152.0	147.7	20	19	2.67
GS m2-077	2.0	77	10	58.17	58.13	158.0	154.0	149.7	20	19	2.75
GS m2-078	2.0	78	10	58.20	58.16	160.0	156.0	151.7	20	19	2.82
GS m2-079	2.0	79	10	58.22	58.18	162.0	158.0	153.7	20	19	2.89
GS m2-080	2.0	80	10	58.25	58.21	164.0	160.0	155.7	20	19	2.97

GS m2-081	2.0	81	10	58.28	58.24	166.0	162.0	157.7	20	19	3.04
GS m2-082	2.0	82	10	58.30	58.26	168.0	164.0	159.7	20	19	3.12
GS m2-083	2.0	83	10	58.32	58.28	170.0	166.0	161.7	20	19	3.20
GS m2-084	2.0	84	10	58.36	58.32	172.0	168.0	163.7	20	19	3.28
GS m2-085	2.0	85	10	58.38	58.34	174.0	170.0	165.7	20	19	3.36
GS m2-086	2.0	86	11	64.32	64.28	176.0	172.0	167.7	20	19	3.44
GS m2-087	2.0	87	11	64.35	64.31	178.0	174.0	169.7	20	19	3.52
GS m2-088	2.0	88	11	64.38	64.34	180.0	176.0	171.7	20	19	3.60
GS m2-089	2.0	89	11	64.41	64.37	182.0	178.0	173.7	20	19	3.68
GS m2-090	2.0	90	11	64.43	64.39	184.0	180.0	175.7	20	19	3.77
GS m2-091	2.0	91	11	64.46	64.42	186.0	182.0	177.7	20	19	3.85
GS m2-092	2.0	92	11	64.49	64.45	188.0	184.0	179.7	20	19	3.94
GS m2-093	2.0	93	11	64.52	64.48	190.0	186.0	181.7	20	19	4.03
GS m2-094	2.0	94	11	64.55	64.51	192.0	188.0	183.7	20	19	4.11
GS m2-095	2.0	95	12	70.48	70.44	194.0	190.0	185.7	20	19	4.20
GS m2-096	2.0	96	12	70.51	70.47	196.0	192.0	187.7	20	19	4.29
GS m2-097	2.0	97	12	70.54	70.50	198.0	194.0	189.7	20	19	4.38
GS m2-098	2.0	98	12	70.56	70.52	200.0	196.0	191.7	20	19	4.48
GS m2-099	2.0	99	12	70.59	70.55	202.0	198.0	193.7	20	19	4.57
GS m2-100	2.0	100	12	70.62	70.58	204.0	200.0	195.7	20	19	4.66
GS m2-101	2.0	101	12	70.65	70.61	206.0	202.0	197.7	20	19	4.76
GS m2-102	2.0	102	12	70.68	70.64	208.0	204.0	199.7	20	19	4.85
GS m2-103	2.0	103	12	70.70	70.66	210.0	206.0	201.7	20	19	4.95
GS m2-104	2.0	104	13	76.64	76.60	212.0	208.0	203.7	20	19	5.05
GS m2-105	2.0	105	13	76.66	76.62	214.0	210.0	205.7	20	19	5.15
GS m2-106	2.0	106	13	76.69	76.65	216.0	212.0	207.7	20	19	5.24
GS m2-107	2.0	107	13	76.72	76.68	218.0	214.0	209.7	20	19	5.34
GS m2-108	2.0	108	13	76.75	76.71	220.0	216.0	211.7	20	19	5.45
GS m2-109	2.0	109	13	76.78	76.74	222.0	218.0	213.7	20	19	5.55
GS m2-110	2.0	110	13	76.80	76.76	224.0	220.0	215.7	20	19	5.65
GS m2-111	2.0	111	13	76.83	76.79	226.0	222.0	217.7	20	19	5.76
GS m2-112	2.0	112	13	76.86	76.82	228.0	224.0	219.7	20	19	5.86
GS m2-113	2.0	113	14	82.79	82.75	230.0	226.0	221.7	20	19	5.97
GS m2-114	2.0	114	14	82.82	82.78	232.0	228.0	223.7	20	19	6.07
GS m2-115	2.0	115	14	82.83	82.79	234.0	230.0	225.7	20	19	6.18
GS m2-116	2.0	116	14	82.88	82.84	236.0	232.0	227.7	20	19	6.29
GS m2-117	2.0	117	14	82.90	82.86	238.0	234.0	229.7	20	19	6.40
GS m2-118	2.0	118	14	82.93	82.89	240.0	236.0	231.7	20	19	6.51
GS m2-119	2.0	119	14	82.96	82.92	242.0	238.0	233.7	20	19	6.62
GS m2-120	2.0	120	14	82.99	82.95	244.0	240.0	235.7	20	19	6.73
GS m2-121	2.0	121	14	83.02	82.98	246.0	242.0	237.7	20	19	6.85
GS m2-122	2.0	122	14	83.05	83.01	248.0	244.0	239.7	20	19	6.96
GS m2-123	2.0	123	14	83.07	83.03	250.0	246.0	241.7	20	19	7.08
GS m2-124	2.0	124	14	83.10	83.06	252.0	248.0	243.7	20	19	7.19
GS m2-125	2.0	125	14	83.13	83.09	254.0	250.0	245.7	20	19	7.31

### Table of Spur Gear Mn 2.5

	Item	Symbol				
	Material		DIN 1.0037			
	normal pressure angle	$\psi_n$	20			
	Out Side Diameter	Da	$=mn \times (z+2)$			
	Pitch Diameter	Do	$=mn \times z$			
	Root Diameter	Df	$=Do - 2(mn+0.167)$			
	Bore Diameter	Db	-			
	Thickness	T	19			
Dk	0~50	50~150	150~250	250~350	350~450	450~
Tolerance	+0.1/-0.1	+0.2/-0.2	+0.2/-0.3	+0.3/-0.4	+0.3/-0.4	+0.3/-0.6
Other tolerances according to ISO 2768-1 m						

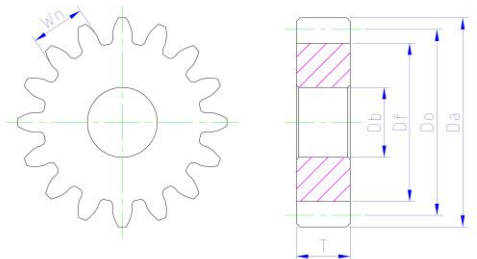
Product Code	mn	z	Wn	Span Size (mm)		Diameter (mm)				T(mm)	Weight (kg)
				max	min	Da	Do	Df	Db		
GS m2.5-010	2.5	10	2	11.32	11.27	30.0	25.0	19.7	15	19	0.05
GS m2.5-011	2.5	11	2	11.36	11.31	32.5	27.5	22.2	15	19	0.06
GS m2.5-012	2.5	12	2	11.39	11.34	35.0	30.0	24.7	15	19	0.08
GS m2.5-013	2.5	13	2	11.43	11.38	37.5	32.5	27.2	15	19	0.10
GS m2.5-014	2.5	14	2	11.46	11.41	40.0	35.0	29.7	15	19	0.12
GS m2.5-015	2.5	15	2	11.50	11.45	42.5	37.5	32.2	15	19	0.14
GS m2.5-016	2.5	16	3	18.91	18.86	45.0	40.0	34.7	15	19	0.16
GS m2.5-017	2.5	17	3	18.95	18.90	47.5	42.5	37.2	15	19	0.19
GS m2.5-018	2.5	18	3	18.98	18.93	50.0	45.0	39.7	20	19	0.19
GS m2.5-019	2.5	19	3	19.02	18.97	52.5	47.5	42.2	20	19	0.22
GS m2.5-020	2.5	20	3	19.05	19.00	55.0	50.0	44.7	20	19	0.25
GS m2.5-021	2.5	21	3	19.09	19.04	57.5	52.5	47.2	20	19	0.28
GS m2.5-022	2.5	22	3	19.12	19.07	60.0	55.0	49.7	20	19	0.31
GS m2.5-023	2.5	23	3	19.16	19.11	62.5	57.5	52.2	20	19	0.34
GS m2.5-024	2.5	24	4	26.57	26.52	65.0	60.0	54.7	20	19	0.38
GS m2.5-025	2.5	25	4	26.61	26.56	67.5	62.5	57.2	20	19	0.41
GS m2.5-026	2.5	26	4	26.64	26.59	70.0	65.0	59.7	20	19	0.45
GS m2.5-027	2.5	27	4	26.68	26.63	72.5	67.5	62.2	20	19	0.49
GS m2.5-028	2.5	28	4	26.71	26.66	75.0	70.0	64.7	20	19	0.53
GS m2.5-029	2.5	29	4	26.75	26.70	77.5	72.5	67.2	20	19	0.57
GS m2.5-030	2.5	30	4	26.78	26.73	80.0	75.0	69.7	20	19	0.62
GS m2.5-031	2.5	31	4	26.82	26.77	82.5	77.5	72.2	20	19	0.66
GS m2.5-032	2.5	32	4	26.85	26.80	85.0	80.0	74.7	20	19	0.71
GS m2.5-033	2.5	33	5	34.27	34.22	87.5	82.5	77.2	20	19	0.75
GS m2.5-034	2.5	34	5	34.30	34.25	90.0	85.0	79.7	20	19	0.80
GS m2.5-035	2.5	35	5	34.34	34.29	92.5	87.5	82.2	20	19	0.85
GS m2.5-036	2.5	36	5	34.37	34.32	95.0	90.0	84.7	20	19	0.91
GS m2.5-037	2.5	37	5	34.41	34.36	97.5	92.5	87.2	20	19	0.96
GS m2.5-038	2.5	38	5	34.45	34.40	100.0	95.0	89.7	20	19	1.02
GS m2.5-039	2.5	39	5	34.48	34.43	102.5	97.5	92.2	20	19	1.07

Product Code	mn	z	Wn	Span Size (mm)		Diameter (mm)				T(mm)	Weight (kg)
				max	min	Da	Do	Df	Db		
GS m2.5-040	2.5	40	5	34.51	34.46	105.0	100.0	94.7	20	19	1.13
GS m2.5-041	2.5	41	6	41.93	41.88	107.5	102.5	97.2	20	19	1.19
GS m2.5-042	2.5	42	6	41.96	41.91	110.0	105.0	99.7	20	19	1.25
GS m2.5-043	2.5	43	6	42.00	41.95	112.5	107.5	102.2	20	19	1.31
GS m2.5-044	2.5	44	6	42.03	41.98	115.0	110.0	104.7	20	19	1.38
GS m2.5-045	2.5	45	6	42.07	42.02	117.5	112.5	107.2	20	19	1.44
GS m2.5-046	2.5	46	6	42.10	42.05	120.0	115.0	109.7	20	19	1.51
GS m2.5-047	2.5	47	6	42.14	42.09	122.5	117.5	112.2	20	19	1.58
GS m2.5-048	2.5	48	6	42.17	42.12	125.0	120.0	114.7	20	19	1.65
GS m2.5-049	2.5	49	6	42.21	42.16	127.5	122.5	117.2	20	19	1.72
GS m2.5-050	2.5	50	7	49.62	49.57	130.0	125.0	119.7	20	19	1.79
GS m2.5-051	2.5	51	7	49.66	49.61	132.5	127.5	122.2	20	19	1.87
GS m2.5-052	2.5	52	7	49.69	49.64	135.0	130.0	124.7	20	19	1.94
GS m2.5-053	2.5	53	7	49.73	49.68	137.5	132.5	127.2	20	19	2.02
GS m2.5-054	2.5	54	7	49.76	49.71	140.0	135.0	129.7	20	19	2.10
GS m2.5-055	2.5	55	7	49.80	49.75	142.5	137.5	132.2	20	19	2.18
GS m2.5-056	2.5	56	7	49.83	49.78	145.0	140.0	134.7	20	19	2.26
GS m2.5-057	2.5	57	7	49.87	49.82	147.5	142.5	137.2	20	19	2.34
GS m2.5-058	2.5	58	7	49.90	49.85	150.0	145.0	139.7	20	19	2.43
GS m2.5-059	2.5	59	8	57.32	57.27	152.5	147.5	142.2	20	19	2.51
GS m2.5-060	2.5	60	8	57.35	57.30	155.0	150.0	144.7	20	19	2.60
GS m2.5-061	2.5	61	8	57.39	57.34	157.5	152.5	147.2	20	19	2.69
GS m2.5-062	2.5	62	8	57.42	57.37	160.0	155.0	149.7	20	19	2.78
GS m2.5-063	2.5	63	8	57.46	57.41	162.5	157.5	152.2	20	19	2.87
GS m2.5-064	2.5	64	8	57.49	57.44	165.0	160.0	154.7	20	19	2.97
GS m2.5-065	2.5	65	8	57.53	57.48	167.5	162.5	157.2	20	19	3.06
GS m2.5-066	2.5	66	8	57.56	57.51	170.0	165.0	159.7	20	19	3.16
GS m2.5-067	2.5	67	8	57.60	57.55	172.5	167.5	162.2	20	19	3.26
GS m2.5-068	2.5	68	9	65.01	64.96	175.0	170.0	164.7	20	19	3.36
GS m2.5-069	2.5	69	9	65.05	65.00	177.5	172.5	167.2	20	19	3.46
GS m2.5-070	2.5	70	9	65.08	65.03	180.0	175.0	169.7	20	19	3.56
GS m2.5-071	2.5	71	9	65.12	65.07	182.5	177.5	172.2	20	19	3.66
GS m2.5-072	2.5	72	9	65.15	65.10	185.0	180.0	174.7	20	19	3.77
GS m2.5-073	2.5	73	9	65.19	65.14	187.5	182.5	177.2	20	19	3.87
GS m2.5-074	2.5	74	9	65.22	65.17	190.0	185.0	179.7	20	19	3.98
GS m2.5-075	2.5	75	9	65.26	65.21	192.5	187.5	182.2	20	19	4.09
GS m2.5-076	2.5	76	9	65.29	65.24	195.0	190.0	184.7	20	19	4.20
GS m2.5-077	2.5	77	10	72.71	72.66	197.5	192.5	187.2	20	19	4.32
GS m2.5-078	2.5	78	10	72.74	72.69	200.0	195.0	189.7	20	19	4.43
GS m2.5-079	2.5	79	10	72.78	72.73	202.5	197.5	192.2	20	19	4.55
GS m2.5-080	2.5	80	10	72.81	72.76	205.0	200.0	194.7	20	19	4.66
GS m2.5-081	2.5	81	10	72.85	72.80	207.5	202.5	197.2	20	19	4.78



Product Code	mn	z	Wn	Span Size (mm)		Diameter (mm)				T(mm)	Weight (kg)
				max	min	Da	Do	Df	Db		
GS m2.5-082	2.5	82	10	72.88	72.83	210.0	205.0	199.7	20	19	4.90
GS m2.5-083	2.5	83	10	72.90	72.85	212.5	207.5	202.2	20	19	5.02
GS m2.5-084	2.5	84	10	72.95	72.90	215.0	210.0	204.7	20	19	5.15
GS m2.5-085	2.5	85	10	72.98	72.93	217.5	212.5	207.2	20	19	5.27
GS m2.5-086	2.5	86	11	80.40	80.35	220.0	215.0	209.7	20	19	5.40
GS m2.5-087	2.5	87	11	80.44	80.39	222.5	217.5	212.2	20	19	5.52
GS m2.5-088	2.5	88	11	80.47	80.42	225.0	220.0	214.7	20	19	5.65
GS m2.5-089	2.5	89	11	80.51	80.46	227.5	222.5	217.2	20	19	5.78
GS m2.5-090	2.5	90	11	80.54	80.49	230.0	225.0	219.7	20	19	5.91
GS m2.5-091	2.5	91	11	80.58	80.53	232.5	227.5	222.2	20	19	6.05
GS m2.5-092	2.5	92	11	80.61	80.56	235.0	230.0	224.7	20	19	6.18
GS m2.5-093	2.5	93	11	80.65	80.60	237.5	232.5	227.2	20	19	6.32
GS m2.5-094	2.5	94	11	80.68	80.63	240.0	235.0	229.7	20	19	6.46
GS m2.5-095	2.5	95	12	88.10	88.05	242.5	237.5	232.2	20	19	6.59
GS m2.5-096	2.5	96	12	88.14	88.09	245.0	240.0	234.7	20	19	6.73
GS m2.5-097	2.5	97	12	88.17	88.12	247.5	242.5	237.2	20	19	6.88
GS m2.5-098	2.5	98	12	88.21	88.16	250.0	245.0	239.7	20	19	7.02
GS m2.5-099	2.5	99	12	88.24	88.19	252.5	247.5	242.2	20	19	7.17
GS m2.5-100	2.5	100	12	88.28	88.23	255.0	250.0	244.7	20	19	7.31
GS m2.5-101	2.5	101	12	88.31	88.26	257.5	252.5	247.2	20	19	7.46
GS m2.5-102	2.5	102	12	88.35	88.30	260.0	255.0	249.7	20	19	7.61
GS m2.5-103	2.5	103	12	88.38	88.33	262.5	257.5	252.2	20	19	7.76
GS m2.5-104	2.5	104	13	95.80	95.75	265.0	260.0	254.7	20	19	7.91
GS m2.5-105	2.5	105	13	95.83	95.78	267.5	262.5	257.2	20	19	8.07
GS m2.5-106	2.5	106	13	95.87	95.82	270.0	265.0	259.7	20	19	8.22
GS m2.5-107	2.5	107	13	95.90	95.85	272.5	267.5	262.2	20	19	8.38
GS m2.5-108	2.5	108	13	95.94	95.89	275.0	270.0	264.7	20	19	8.54
GS m2.5-109	2.5	109	13	95.97	95.92	277.5	272.5	267.2	20	19	8.70
GS m2.5-110	2.5	110	13	96.01	95.96	280.0	275.0	269.7	20	19	8.86
GS m2.5-111	2.5	111	13	96.04	95.99	282.5	277.5	272.2	20	19	9.02
GS m2.5-112	2.5	112	13	96.08	96.03	285.0	280.0	274.7	20	19	9.18
GS m2.5-113	2.5	113	14	103.49	103.44	287.5	282.5	277.2	20	19	9.35
GS m2.5-114	2.5	114	14	103.53	103.48	290.0	285.0	279.7	20	19	9.52
GS m2.5-115	2.5	115	14	103.54	103.49	292.5	287.5	282.2	20	19	9.68
GS m2.5-116	2.5	116	14	103.60	103.55	295.0	290.0	284.7	20	19	9.85
GS m2.5-117	2.5	117	14	103.63	103.58	297.5	292.5	287.2	20	19	10.03
GS m2.5-118	2.5	118	14	103.67	103.62	300.0	295.0	289.7	20	19	10.20
GS m2.5-119	2.5	119	14	103.70	103.65	302.5	297.5	292.2	20	19	10.37
GS m2.5-120	2.5	120	14	103.74	103.69	305.0	300.0	294.7	20	19	10.55
GS m2.5-121	2.5	121	14	103.77	103.72	307.5	302.5	297.2	20	19	10.73
GS m2.5-122	2.5	122	14	103.81	103.76	310.0	305.0	299.7	20	19	10.91
GS m2.5-123	2.5	123	14	103.84	103.79	312.5	307.5	302.2	20	19	11.09
GS m2.5-124	2.5	124	14	103.88	103.83	315.0	310.0	304.7	20	19	11.27
GS m2.5-125	2.5	125	14	103.91	103.86	317.5	312.5	307.2	20	19	11.45

### Table of Spur Gear Mn 3.0

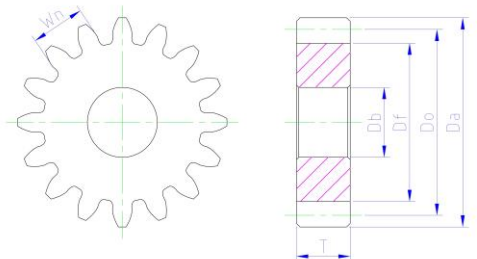
	Item	Symbol				
	Material		DIN 1.0037			
	normal pressure angle	$\psi_n$	20			
	Out Side Diameter	Da	$=mn \times (z+2)$			
	Pitch Diameter	Do	$=mn \times z$			
	Root Diameter	Df	$=Do - 2(mn+0.167)$			
	Bore Diameter	Db	-			
	Thickness	T	19			
Dk	0~50	50~150	150~250	250~350	350~450	450~
Tolerance	+0.1/-0.1	+0.2/-0.2	+0.2/-0.3	+0.3/-0.4	+0.3/-0.4	+0.3/-0.6
Other tolerances according to ISO 2768-1 m						

Product Code	mn	z	Wn	Span Size (mm)		Diameter (mm)				T(mm)	Weight (kg)
				max	min	Da	Do	Df	Db		
GS m3-010	3.0	10	2	13.58	13.53	36.0	30.0	23.7	15	29	0.12
GS m3-011	3.0	11	2	13.63	13.58	39.0	33.0	26.7	15	29	0.16
GS m3-012	3.0	12	2	13.67	13.62	42.0	36.0	29.7	15	29	0.19
GS m3-013	3.0	13	2	13.71	13.66	45.0	39.0	32.7	15	29	0.23
GS m3-014	3.0	14	2	13.75	13.70	48.0	42.0	35.7	15	29	0.28
GS m3-015	3.0	15	2	13.79	13.74	51.0	45.0	38.7	20	29	0.29
GS m3-016	3.0	16	3	22.69	22.64	54.0	48.0	41.7	20	29	0.34
GS m3-017	3.0	17	3	22.74	22.69	57.0	51.0	44.7	20	29	0.40
GS m3-018	3.0	18	3	22.78	22.73	60.0	54.0	47.7	20	29	0.45
GS m3-019	3.0	19	3	22.82	22.77	63.0	57.0	50.7	20	29	0.51
GS m3-020	3.0	20	3	22.86	22.81	66.0	60.0	53.7	20	29	0.58
GS m3-021	3.0	21	3	22.90	22.85	69.0	63.0	56.7	20	29	0.64
GS m3-022	3.0	22	3	22.95	22.90	72.0	66.0	59.7	20	29	0.71
GS m3-023	3.0	23	3	22.99	22.94	75.0	69.0	62.7	20	29	0.78
GS m3-024	3.0	24	4	31.89	31.84	78.0	72.0	65.7	20	29	0.86
GS m3-025	3.0	25	4	31.93	31.88	81.0	75.0	68.7	20	29	0.94
GS m3-026	3.0	26	4	31.97	31.92	84.0	78.0	71.7	20	29	1.02
GS m3-027	3.0	27	4	32.01	31.96	87.0	81.0	74.7	20	29	1.11
GS m3-028	3.0	28	4	32.05	32.00	90.0	84.0	77.7	20	29	1.20
GS m3-029	3.0	29	4	32.10	32.05	93.0	87.0	80.7	20	29	1.29
GS m3-030	3.0	30	4	32.14	32.09	96.0	90.0	83.7	20	29	1.38
GS m3-031	3.0	31	4	32.18	32.13	99.0	93.0	86.7	20	29	1.48
GS m3-032	3.0	32	4	32.22	32.17	102.0	96.0	89.7	20	29	1.58
GS m3-033	3.0	33	5	41.12	41.07	105.0	99.0	92.7	20	29	1.69
GS m3-034	3.0	34	5	41.16	41.11	108.0	102.0	95.7	20	29	1.80
GS m3-035	3.0	35	5	41.20	41.15	111.0	105.0	98.7	20	29	1.91
GS m3-036	3.0	36	5	41.25	41.20	114.0	108.0	101.7	20	29	2.02
GS m3-037	3.0	37	5	41.29	41.24	117.0	111.0	104.7	20	29	2.14
GS m3-038	3.0	38	5	41.34	41.29	120.0	114.0	107.7	20	29	2.26
GS m3-039	3.0	39	5	41.37	41.32	123.0	117.0	110.7	20	29	2.39

Product Code	mn	z	Wn	Span Size (mm)		Diameter (mm)				T(mm)	Weight (kg)
				max	min	Da	Do	Df	Db		
GS m3-040	3.0	40	5	41.41	41.36	126.0	120.0	113.7	20	29	2.52
GS m3-041	3.0	41	6	50.31	50.26	129.0	123.0	116.7	20	29	2.65
GS m3-042	3.0	42	6	50.36	50.31	132.0	126.0	119.7	20	29	2.78
GS m3-043	3.0	43	6	50.40	50.35	135.0	129.0	122.7	20	29	2.92
GS m3-044	3.0	44	6	50.44	50.39	138.0	132.0	125.7	20	29	3.06
GS m3-045	3.0	45	6	50.48	50.43	141.0	135.0	128.7	20	29	3.20
GS m3-046	3.0	46	6	50.52	50.47	144.0	138.0	131.7	20	29	3.35
GS m3-047	3.0	47	6	50.57	50.52	147.0	141.0	134.7	20	29	3.50
GS m3-048	3.0	48	6	50.61	50.56	150.0	144.0	137.7	20	29	3.65
GS m3-049	3.0	49	6	50.65	50.60	153.0	147.0	140.7	20	29	3.81
GS m3-050	3.0	50	7	59.55	59.50	156.0	150.0	143.7	20	29	3.97
GS m3-051	3.0	51	7	59.59	59.54	159.0	153.0	146.7	20	29	4.13
GS m3-052	3.0	52	7	59.63	59.58	162.0	156.0	149.7	20	29	4.30
GS m3-053	3.0	53	7	59.67	59.62	165.0	159.0	152.7	20	29	4.47
GS m3-054	3.0	54	7	59.72	59.67	168.0	162.0	155.7	20	29	4.64
GS m3-055	3.0	55	7	59.76	59.71	171.0	165.0	158.7	20	29	4.82
GS m3-056	3.0	56	7	59.80	59.75	174.0	168.0	161.7	20	29	5.00
GS m3-057	3.0	57	7	59.84	59.79	177.0	171.0	164.7	20	29	5.18
GS m3-058	3.0	58	7	59.88	59.83	180.0	174.0	167.7	20	29	5.37
GS m3-059	3.0	59	8	68.78	68.73	183.0	177.0	170.7	20	29	5.56
GS m3-060	3.0	60	8	68.82	68.77	186.0	180.0	173.7	20	29	5.75
GS m3-061	3.0	61	8	68.87	68.82	189.0	183.0	176.7	20	29	5.95
GS m3-062	3.0	62	8	68.91	68.86	192.0	186.0	179.7	20	29	6.15
GS m3-063	3.0	63	8	68.95	68.90	195.0	189.0	182.7	20	29	6.35
GS m3-064	3.0	64	8	68.99	68.94	198.0	192.0	185.7	20	29	6.55
GS m3-065	3.0	65	8	69.03	68.98	201.0	195.0	188.7	20	29	6.76
GS m3-066	3.0	66	8	69.08	69.03	204.0	198.0	191.7	20	29	6.97
GS m3-067	3.0	67	8	69.12	69.07	207.0	201.0	194.7	20	29	7.19
GS m3-068	3.0	68	9	78.02	77.97	210.0	204.0	197.7	20	29	7.41
GS m3-069	3.0	69	9	78.06	78.01	213.0	207.0	200.7	20	29	7.63
GS m3-070	3.0	70	9	78.10	78.05	216.0	210.0	203.7	20	29	7.85
GS m3-071	3.0	71	9	78.14	78.09	219.0	213.0	206.7	20	29	8.08
GS m3-072	3.0	72	9	78.18	78.13	222.0	216.0	209.7	20	29	8.31
GS m3-073	3.0	73	9	78.23	78.18	225.0	219.0	212.7	20	29	8.55
GS m3-074	3.0	74	9	78.27	78.22	228.0	222.0	215.7	20	29	8.78
GS m3-075	3.0	75	9	78.31	78.26	231.0	225.0	218.7	20	29	9.03
GS m3-076	3.0	76	9	78.35	78.30	234.0	228.0	221.7	20	29	9.27
GS m3-077	3.0	77	10	87.25	87.20	237.0	231.0	224.7	20	29	9.52
GS m3-078	3.0	78	10	87.29	87.24	240.0	234.0	227.7	20	29	9.77
GS m3-079	3.0	79	10	87.34	87.29	243.0	237.0	230.7	20	29	10.02
GS m3-080	3.0	80	10	87.38	87.33	246.0	240.0	233.7	20	29	10.28
GS m3-081	3.0	81	10	87.42	87.37	249.0	243.0	236.7	20	29	10.54

Product Code	mn	z	Wn	Span Size (mm)		Diameter (mm)				T(mm)	Weight (kg)
				max	min	Da	Do	Df	Db		
GS m3-082	3.0	82	10	87.45	87.40	252.0	246.0	239.7	20	29	10.80
GS m3-083	3.0	83	10	87.48	87.43	255.0	249.0	242.7	20	29	11.07
GS m3-084	3.0	84	10	87.54	87.49	258.0	252.0	245.7	20	29	11.34
GS m3-085	3.0	85	10	87.57	87.52	261.0	255.0	248.7	20	29	11.61
GS m3-086	3.0	86	11	96.48	96.43	264.0	258.0	251.7	20	29	11.89
GS m3-087	3.0	87	11	96.53	96.48	267.0	261.0	254.7	20	29	12.17
GS m3-088	3.0	88	11	96.57	96.52	270.0	264.0	257.7	20	29	12.45
GS m3-089	3.0	89	11	96.61	96.56	273.0	267.0	260.7	20	29	12.74
GS m3-090	3.0	90	11	96.65	96.60	276.0	270.0	263.7	20	29	13.03
GS m3-091	3.0	91	11	96.69	96.64	279.0	273.0	266.7	20	29	13.32
GS m3-092	3.0	92	11	96.74	96.69	282.0	276.0	269.7	20	29	13.62
GS m3-093	3.0	93	11	96.78	96.73	285.0	279.0	272.7	20	29	13.92
GS m3-094	3.0	94	11	96.82	96.77	288.0	282.0	275.7	20	29	14.22
GS m3-095	3.0	95	12	105.72	105.67	291.0	285.0	278.7	20	29	14.52
GS m3-096	3.0	96	12	105.76	105.71	294.0	288.0	281.7	20	29	14.83
GS m3-097	3.0	97	12	105.80	105.75	297.0	291.0	284.7	20	29	15.15
GS m3-098	3.0	98	12	105.85	105.80	300.0	294.0	287.7	20	29	15.46
GS m3-099	3.0	99	12	105.89	105.84	303.0	297.0	290.7	20	29	15.78
GS m3-100	3.0	100	12	105.93	105.88	306.0	300.0	293.7	20	29	16.10
GS m3-101	3.0	101	12	105.97	105.92	309.0	303.0	296.7	20	29	16.43
GS m3-102	3.0	102	12	106.01	105.96	312.0	306.0	299.7	20	29	16.76
GS m3-103	3.0	103	12	106.06	106.01	315.0	309.0	302.7	20	29	17.09
GS m3-104	3.0	104	13	114.95	114.90	318.0	312.0	305.7	20	29	17.42
GS m3-105	3.0	105	13	115.00	114.95	321.0	315.0	308.7	20	29	17.76
GS m3-106	3.0	106	13	115.04	114.99	324.0	318.0	311.7	20	29	18.10
GS m3-107	3.0	107	13	115.08	115.03	327.0	321.0	314.7	20	29	18.45
GS m3-108	3.0	108	13	115.12	115.07	330.0	324.0	317.7	20	29	18.79
GS m3-109	3.0	109	13	115.16	115.11	333.0	327.0	320.7	20	29	19.14
GS m3-110	3.0	110	13	115.21	115.16	336.0	330.0	323.7	20	29	19.50
GS m3-111	3.0	111	13	115.25	115.20	339.0	333.0	326.7	20	29	19.86
GS m3-112	3.0	112	13	115.29	115.24	342.0	336.0	329.7	20	29	20.22
GS m3-113	3.0	113	14	124.19	124.14	345.0	339.0	332.7	20	29	20.58
GS m3-114	3.0	114	14	124.23	124.18	348.0	342.0	335.7	20	29	20.95
GS m3-115	3.0	115	14	124.24	124.19	351.0	345.0	338.7	20	29	21.32
GS m3-116	3.0	116	14	124.32	124.27	354.0	348.0	341.7	20	29	21.69
GS m3-117	3.0	117	14	124.36	124.31	357.0	351.0	344.7	20	29	22.07
GS m3-118	3.0	118	14	124.40	124.35	360.0	354.0	347.7	20	29	22.45
GS m3-119	3.0	119	14	124.44	124.39	363.0	357.0	350.7	20	29	22.83
GS m3-120	3.0	120	14	124.48	124.43	366.0	360.0	353.7	20	29	23.22
GS m3-121	3.0	121	14	124.53	124.48	369.0	363.0	356.7	20	29	23.61
GS m3-122	3.0	122	14	124.57	124.52	372.0	366.0	359.7	20	29	24.00
GS m3-123	3.0	123	14	124.61	124.56	375.0	369.0	362.7	20	29	24.40
GS m3-124	3.0	124	14	124.65	124.60	378.0	372.0	365.7	20	29	24.80
GS m3-125	3.0	125	14	124.69	124.64	381.0	375.0	368.7	20	29	25.20

### Table of Spur Gear Mn 3.5

	Item	Symbol				
	Material		DIN 1.0037			
	normal pressure angle	$\psi_n$	20			
	Out Side Diameter	Da	$=mn \times (z+2)$			
	Pitch Diameter	Do	$=mn \times z$			
	Root Diameter	Df	$=Do - 2(mn+0.167)$			
	Bore Diameter	Db	-			
	Thickness	T	19			
Dk	0~50	50~150	150~250	250~350	350~450	450~
Tolerance	+0.1/-0.1	+0.2/-0.2	+0.2/-0.3	+0.3/-0.4	+0.3/-0.4	+0.3/-0.6
Other tolerances according to ISO 2768-1 m						

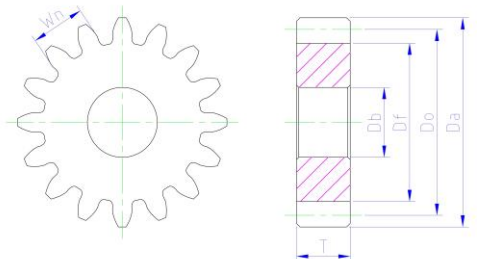
Product Code	mn	z	Wn	Span Size (mm)		Diameter (mm)				T(mm)	Weight (kg)
				max	min	Da	Do	Df	Db		
GS m3.5-010	3.5	10	2	15.85	15.81	42.0	35.0	27.7	15	29	0.18
GS m3.5-011	3.5	11	2	15.90	15.86	45.5	38.5	31.2	15	29	0.23
GS m3.5-012	3.5	12	2	15.95	15.91	49.0	42.0	34.7	15	29	0.28
GS m3.5-013	3.5	13	2	16.00	15.96	52.5	45.5	38.2	20	29	0.30
GS m3.5-014	3.5	14	2	16.05	16.01	56.0	49.0	41.7	20	29	0.36
GS m3.5-015	3.5	15	2	16.09	16.05	59.5	52.5	45.2	20	29	0.42
GS m3.5-016	3.5	16	3	26.48	26.44	63.0	56.0	48.7	20	29	0.49
GS m3.5-017	3.5	17	3	26.52	26.48	66.5	59.5	52.2	20	29	0.56
GS m3.5-018	3.5	18	3	26.57	26.53	70.0	63.0	55.7	20	29	0.64
GS m3.5-019	3.5	19	3	26.62	26.58	73.5	66.5	59.2	20	29	0.72
GS m3.5-020	3.5	20	3	26.67	26.63	77.0	70.0	62.7	20	29	0.81
GS m3.5-021	3.5	21	3	26.72	26.68	80.5	73.5	66.2	20	29	0.90
GS m3.5-022	3.5	22	3	26.77	26.73	84.0	77.0	69.7	20	29	0.99
GS m3.5-023	3.5	23	3	26.82	26.78	87.5	80.5	73.2	20	29	1.09
GS m3.5-024	3.5	24	4	37.20	37.16	91.0	84.0	76.7	20	29	1.20
GS m3.5-025	3.5	25	4	37.25	37.21	94.5	87.5	80.2	20	29	1.30
GS m3.5-026	3.5	26	4	37.30	37.26	98.0	91.0	83.7	20	29	1.42
GS m3.5-027	3.5	27	4	37.35	37.31	101.5	94.5	87.2	20	29	1.53
GS m3.5-028	3.5	28	4	37.40	37.36	105.0	98.0	90.7	20	29	1.65
GS m3.5-029	3.5	29	4	37.45	37.41	108.5	101.5	94.2	20	29	1.78
GS m3.5-030	3.5	30	4	37.49	37.45	112.0	105.0	97.7	20	29	1.91
GS m3.5-031	3.5	31	4	37.54	37.50	115.5	108.5	101.2	20	29	2.04
GS m3.5-032	3.5	32	4	37.59	37.55	119.0	112.0	104.7	20	29	2.18
GS m3.5-033	3.5	33	5	47.97	47.93	122.5	115.5	108.2	20	29	2.33
GS m3.5-034	3.5	34	5	48.02	47.98	126.0	119.0	111.7	20	29	2.47
GS m3.5-035	3.5	35	5	48.07	48.03	129.5	122.5	115.2	20	29	2.62
GS m3.5-036	3.5	36	5	48.12	48.08	133.0	126.0	118.7	20	29	2.78
GS m3.5-037	3.5	37	5	48.17	48.13	136.5	129.5	122.2	20	29	2.94
GS m3.5-038	3.5	38	5	48.23	48.19	140.0	133.0	125.7	20	29	3.11
GS m3.5-039	3.5	39	5	48.27	48.23	143.5	136.5	129.2	20	29	3.28

Product Code	mn	z	Wn	Span Size (mm)		Diameter (mm)				T(mm)	Weight (kg)
				max	min	Da	Do	Df	Db		
GS m3.5-040	3.5	40	5	48.32	48.28	147.0	140.0	132.7	20	29	3.45
GS m3.5-041	3.5	41	6	58.70	58.66	150.5	143.5	136.2	20	29	3.63
GS m3.5-042	3.5	42	6	58.75	58.71	154.0	147.0	139.7	20	29	3.81
GS m3.5-043	3.5	43	6	58.80	58.76	157.5	150.5	143.2	20	29	4.00
GS m3.5-044	3.5	44	6	58.85	58.81	161.0	154.0	146.7	20	29	4.19
GS m3.5-045	3.5	45	6	58.89	58.85	164.5	157.5	150.2	20	29	4.39
GS m3.5-046	3.5	46	6	58.94	58.90	168.0	161.0	153.7	20	29	4.59
GS m3.5-047	3.5	47	6	58.99	58.95	171.5	164.5	157.2	20	29	4.79
GS m3.5-048	3.5	48	6	59.04	59.00	175.0	168.0	160.7	20	29	5.00
GS m3.5-049	3.5	49	6	59.09	59.05	178.5	171.5	164.2	20	29	5.21
GS m3.5-050	3.5	50	7	69.47	69.43	182.0	175.0	167.7	20	29	5.43
GS m3.5-051	3.5	51	7	69.52	69.48	185.5	178.5	171.2	20	29	5.65
GS m3.5-052	3.5	52	7	69.57	69.53	189.0	182.0	174.7	20	29	5.88
GS m3.5-053	3.5	53	7	69.62	69.58	192.5	185.5	178.2	20	29	6.11
GS m3.5-054	3.5	54	7	69.67	69.63	196.0	189.0	181.7	20	29	6.35
GS m3.5-055	3.5	55	7	69.72	69.68	199.5	192.5	185.2	20	29	6.59
GS m3.5-056	3.5	56	7	69.77	69.73	203.0	196.0	188.7	20	29	6.83
GS m3.5-057	3.5	57	7	69.82	69.78	206.5	199.5	192.2	20	29	7.08
GS m3.5-058	3.5	58	7	69.86	69.82	210.0	203.0	195.7	20	29	7.33
GS m3.5-059	3.5	59	8	80.25	80.21	213.5	206.5	199.2	20	29	7.59
GS m3.5-060	3.5	60	8	80.29	80.25	217.0	210.0	202.7	20	29	7.85
GS m3.5-061	3.5	61	8	80.34	80.30	220.5	213.5	206.2	20	29	8.12
GS m3.5-062	3.5	62	8	80.39	80.35	224.0	217.0	209.7	20	29	8.39
GS m3.5-063	3.5	63	8	80.44	80.40	227.5	220.5	213.2	20	29	8.67
GS m3.5-064	3.5	64	8	80.49	80.45	231.0	224.0	216.7	20	29	8.95
GS m3.5-065	3.5	65	8	80.54	80.50	234.5	227.5	220.2	20	29	9.23
GS m3.5-066	3.5	66	8	80.59	80.55	238.0	231.0	223.7	20	29	9.52
GS m3.5-067	3.5	67	8	80.64	80.60	241.5	234.5	227.2	20	29	9.81
GS m3.5-068	3.5	68	9	91.02	90.98	245.0	238.0	230.7	20	29	10.11
GS m3.5-069	3.5	69	9	91.07	91.03	248.5	241.5	234.2	20	29	10.41
GS m3.5-070	3.5	70	9	91.12	91.08	252.0	245.0	237.7	20	29	10.72
GS m3.5-071	3.5	71	9	91.17	91.13	255.5	248.5	241.2	20	29	11.03
GS m3.5-072	3.5	72	9	91.22	91.18	259.0	252.0	244.7	20	29	11.34
GS m3.5-073	3.5	73	9	91.26	91.22	262.5	255.5	248.2	20	29	11.66
GS m3.5-074	3.5	74	9	91.31	91.27	266.0	259.0	251.7	20	29	11.98
GS m3.5-075	3.5	75	9	91.36	91.32	269.5	262.5	255.2	20	29	12.31
GS m3.5-076	3.5	76	9	91.41	91.37	273.0	266.0	258.7	20	29	12.64
GS m3.5-077	3.5	77	10	101.79	101.75	276.5	269.5	262.2	20	29	12.98
GS m3.5-078	3.5	78	10	101.84	101.80	280.0	273.0	265.7	20	29	13.32
GS m3.5-079	3.5	79	10	101.89	101.85	283.5	276.5	269.2	20	29	13.67
GS m3.5-080	3.5	80	10	101.94	101.90	287.0	280.0	272.7	20	29	14.02
GS m3.5-081	3.5	81	10	101.99	101.95	290.5	283.5	276.2	20	29	14.37

Product Code	mn	z	Wn	Span Size (mm)		Diameter (mm)				T(mm)	Weight (kg)
				max	min	Da	Do	Df	Db		
GS m3.5-082	3.5	82	10	102.03	101.99	294.0	287.0	279.7	20	29	14.73
GS m3.5-083	3.5	83	10	102.06	102.02	297.5	290.5	283.2	20	29	15.09
GS m3.5-084	3.5	84	10	102.13	102.09	301.0	294.0	286.7	20	29	15.46
GS m3.5-085	3.5	85	10	102.17	102.13	304.5	297.5	290.2	20	29	15.83
GS m3.5-086	3.5	86	11	112.56	112.52	308.0	301.0	293.7	20	29	16.21
GS m3.5-087	3.5	87	11	112.61	112.57	311.5	304.5	297.2	20	29	16.59
GS m3.5-088	3.5	88	11	112.66	112.62	315.0	308.0	300.7	20	29	16.98
GS m3.5-089	3.5	89	11	112.71	112.67	318.5	311.5	304.2	20	29	17.37
GS m3.5-090	3.5	90	11	112.76	112.72	322.0	315.0	307.7	20	29	17.76
GS m3.5-091	3.5	91	11	112.81	112.77	325.5	318.5	311.2	20	29	18.16
GS m3.5-092	3.5	92	11	112.86	112.82	329.0	322.0	314.7	20	29	18.56
GS m3.5-093	3.5	93	11	112.91	112.87	332.5	325.5	318.2	20	29	18.97
GS m3.5-094	3.5	94	11	112.96	112.92	336.0	329.0	321.7	20	29	19.38
GS m3.5-095	3.5	95	12	123.34	123.30	339.5	332.5	325.2	20	29	19.80
GS m3.5-096	3.5	96	12	123.39	123.35	343.0	336.0	328.7	20	29	20.22
GS m3.5-097	3.5	97	12	123.44	123.40	346.5	339.5	332.2	20	29	20.64
GS m3.5-098	3.5	98	12	123.49	123.45	350.0	343.0	335.7	20	29	21.07
GS m3.5-099	3.5	99	12	123.54	123.50	353.5	346.5	339.2	20	29	21.50
GS m3.5-100	3.5	100	12	123.59	123.55	357.0	350.0	342.7	20	29	21.94
GS m3.5-101	3.5	101	12	123.63	123.59	360.5	353.5	346.2	20	29	22.38
GS m3.5-102	3.5	102	12	123.68	123.64	364.0	357.0	349.7	20	29	22.83
GS m3.5-103	3.5	103	12	123.73	123.69	367.5	360.5	353.2	20	29	23.28
GS m3.5-104	3.5	104	13	134.11	134.07	371.0	364.0	356.7	20	29	23.74
GS m3.5-105	3.5	105	13	134.16	134.12	374.5	367.5	360.2	20	29	24.20
GS m3.5-106	3.5	106	13	134.21	134.17	378.0	371.0	363.7	20	29	24.66
GS m3.5-107	3.5	107	13	134.26	134.22	381.5	374.5	367.2	20	29	25.13
GS m3.5-108	3.5	108	13	134.31	134.27	385.0	378.0	370.7	20	29	25.61
GS m3.5-109	3.5	109	13	134.36	134.32	388.5	381.5	374.2	20	29	26.08
GS m3.5-110	3.5	110	13	134.41	134.37	392.0	385.0	377.7	20	29	26.57
GS m3.5-111	3.5	111	13	134.46	134.42	395.5	388.5	381.2	20	29	27.05
GS m3.5-112	3.5	112	13	134.51	134.47	399.0	392.0	384.7	20	29	27.54
GS m3.5-113	3.5	113	14	144.89	144.85	402.5	395.5	388.2	20	29	28.04
GS m3.5-114	3.5	114	14	144.94	144.90	406.0	399.0	391.7	20	29	28.54
GS m3.5-115	3.5	115	14	144.95	144.91	409.5	402.5	395.2	20	29	29.04
GS m3.5-116	3.5	116	14	145.03	144.99	413.0	406.0	398.7	20	29	29.55
GS m3.5-117	3.5	117	14	145.08	145.04	416.5	409.5	402.2	20	29	30.06
GS m3.5-118	3.5	118	14	145.13	145.09	420.0	413.0	405.7	20	29	30.58
GS m3.5-119	3.5	119	14	145.18	145.14	423.5	416.5	409.2	20	29	31.10
GS m3.5-120	3.5	120	14	145.23	145.19	427.0	420.0	412.7	20	29	31.63
GS m3.5-121	3.5	121	14	145.28	145.24	430.5	423.5	416.2	20	29	32.16
GS m3.5-122	3.5	122	14	145.33	145.29	434.0	427.0	419.7	20	29	32.69
GS m3.5-123	3.5	123	14	145.38	145.34	437.5	430.5	423.2	20	29	33.23
GS m3.5-124	3.5	124	14	145.43	145.39	441.0	434.0	426.7	20	29	33.78
GS m3.5-125	3.5	125	14	145.48	145.44	444.5	437.5	430.2	20	29	34.33



### Table of Spur Gear Mn 4.0

	Item	Symbol				
	Material		DIN 1.0037			
	normal pressure angle	$\psi_n$	20			
	Out Side Diameter	Da	$=mn \times (z+2)$			
	Pitch Diameter	Do	$=mn \times z$			
	Root Diameter	Df	$=Do - 2(mn+0.167)$			
	Bore Diameter	Db	-			
	Thickness	T	19			
Dk	0~50	50~150	150~250	250~350	350~450	450~
Tolerance	+0.1/-0.1	+0.2/-0.2	+0.2/-0.3	+0.3/-0.4	+0.3/-0.4	+0.3/-0.6
Other tolerances according to ISO 2768-1 m						

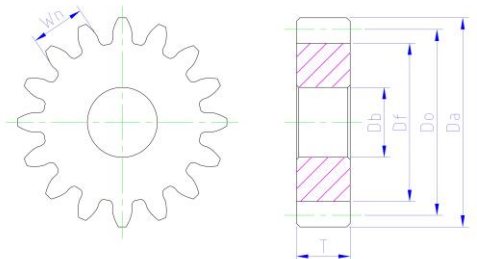
Product Code	mn	z	Wn	Span Size (mm)		Diameter (mm)				T(mm)	Weight (kg)
				max	min	Da	Do	Df	Db		
GS m4-010	4.0	10	2	18.11	18.07	48.0	40.0	31.7	15	29	0.25
GS m4-011	4.0	11	2	18.17	18.13	52.0	44.0	35.7	20	29	0.28
GS m4-012	4.0	12	2	18.23	18.19	56.0	48.0	39.7	20	29	0.34
GS m4-013	4.0	13	2	18.28	18.24	60.0	52.0	43.7	20	29	0.41
GS m4-014	4.0	14	2	18.34	18.30	64.0	56.0	47.7	20	29	0.49
GS m4-015	4.0	15	2	18.39	18.35	68.0	60.0	51.7	20	29	0.58
GS m4-016	4.0	16	3	30.26	30.22	72.0	64.0	55.7	20	29	0.66
GS m4-017	4.0	17	3	30.31	30.27	76.0	68.0	59.7	20	29	0.76
GS m4-018	4.0	18	3	30.37	30.33	80.0	72.0	63.7	20	29	0.86
GS m4-019	4.0	19	3	30.43	30.39	84.0	76.0	67.7	20	29	0.97
GS m4-020	4.0	20	3	30.48	30.44	88.0	80.0	71.7	20	29	1.08
GS m4-021	4.0	21	3	30.54	30.50	92.0	84.0	75.7	20	29	1.20
GS m4-022	4.0	22	3	30.59	30.55	96.0	88.0	79.7	20	29	1.32
GS m4-023	4.0	23	3	30.65	30.61	100.0	92.0	83.7	20	29	1.45
GS m4-024	4.0	24	4	42.51	42.47	104.0	96.0	87.7	20	29	1.58
GS m4-025	4.0	25	4	42.57	42.53	108.0	100.0	91.7	20	29	1.73
GS m4-026	4.0	26	4	42.63	42.59	112.0	104.0	95.7	20	29	1.87
GS m4-027	4.0	27	4	42.68	42.64	116.0	108.0	99.7	20	29	2.02
GS m4-028	4.0	28	4	42.74	42.70	120.0	112.0	103.7	20	29	2.18
GS m4-029	4.0	29	4	42.79	42.75	124.0	116.0	107.7	20	29	2.35
GS m4-030	4.0	30	4	42.85	42.81	128.0	120.0	111.7	20	29	2.52
GS m4-031	4.0	31	4	42.91	42.87	132.0	124.0	115.7	20	29	2.69
GS m4-032	4.0	32	4	42.96	42.92	136.0	128.0	119.7	20	29	2.87
GS m4-033	4.0	33	5	54.83	54.79	140.0	132.0	123.7	20	29	3.06
GS m4-034	4.0	34	5	54.88	54.84	144.0	136.0	127.7	20	29	3.25
GS m4-035	4.0	35	5	54.94	54.90	148.0	140.0	131.7	20	29	3.45
GS m4-036	4.0	36	5	55.00	54.96	152.0	144.0	135.7	20	29	3.65
GS m4-037	4.0	37	5	55.05	55.01	156.0	148.0	139.7	20	29	3.86
GS m4-038	4.0	38	5	55.12	55.08	160.0	152.0	143.7	20	29	4.08
GS m4-039	4.0	39	5	55.16	55.12	164.0	156.0	147.7	20	29	4.30



Product Code	mn	z	Wn	Span Size (mm)		Diameter (mm)				T(mm)	Weight (kg)
				max	min	Da	Do	Df	Db		
GS m4-040	4.0	40	5	55.22	55.18	168.0	160.0	151.7	20	29	4.53
GS m4-041	4.0	41	6	67.08	67.04	172.0	164.0	155.7	20	29	4.76
GS m4-042	4.0	42	6	67.14	67.10	176.0	168.0	159.7	20	29	5.00
GS m4-043	4.0	43	6	67.20	67.16	180.0	172.0	163.7	20	29	5.24
GS m4-044	4.0	44	6	67.25	67.21	184.0	176.0	167.7	20	29	5.49
GS m4-045	4.0	45	6	67.31	67.27	188.0	180.0	171.7	20	29	5.75
GS m4-046	4.0	46	6	67.36	67.32	192.0	184.0	175.7	20	29	6.01
GS m4-047	4.0	47	6	67.42	67.38	196.0	188.0	179.7	20	29	6.28
GS m4-048	4.0	48	6	67.48	67.44	200.0	192.0	183.7	20	29	6.55
GS m4-049	4.0	49	6	67.53	67.49	204.0	196.0	187.7	20	29	6.83
GS m4-050	4.0	50	7	79.40	79.36	208.0	200.0	191.7	20	29	7.12
GS m4-051	4.0	51	7	79.45	79.41	212.0	204.0	195.7	20	29	7.41
GS m4-052	4.0	52	7	79.51	79.47	216.0	208.0	199.7	20	29	7.70
GS m4-053	4.0	53	7	79.56	79.52	220.0	212.0	203.7	20	29	8.00
GS m4-054	4.0	54	7	79.62	79.58	224.0	216.0	207.7	20	29	8.31
GS m4-055	4.0	55	7	79.68	79.64	228.0	220.0	211.7	20	29	8.63
GS m4-056	4.0	56	7	79.73	79.69	232.0	224.0	215.7	20	29	8.95
GS m4-057	4.0	57	7	79.79	79.75	236.0	228.0	219.7	20	29	9.27
GS m4-058	4.0	58	7	79.84	79.80	240.0	232.0	223.7	20	29	9.60
GS m4-059	4.0	59	8	91.71	91.67	244.0	236.0	227.7	20	29	9.94
GS m4-060	4.0	60	8	91.77	91.73	248.0	240.0	231.7	20	29	10.28
GS m4-061	4.0	61	8	91.82	91.78	252.0	244.0	235.7	20	29	10.63
GS m4-062	4.0	62	8	91.88	91.84	256.0	248.0	239.7	20	29	10.98
GS m4-063	4.0	63	8	91.93	91.89	260.0	252.0	243.7	20	29	11.34
GS m4-064	4.0	64	8	91.99	91.95	264.0	256.0	247.7	20	29	11.71
GS m4-065	4.0	65	8	92.05	92.01	268.0	260.0	251.7	20	29	12.08
GS m4-066	4.0	66	8	92.10	92.06	272.0	264.0	255.7	20	29	12.45
GS m4-067	4.0	67	8	92.16	92.12	276.0	268.0	259.7	20	29	12.84
GS m4-068	4.0	68	9	104.02	103.98	280.0	272.0	263.7	20	29	13.22
GS m4-069	4.0	69	9	104.08	104.04	284.0	276.0	267.7	20	29	13.62
GS m4-070	4.0	70	9	104.13	104.09	288.0	280.0	271.7	20	29	14.02
GS m4-071	4.0	71	9	104.19	104.15	292.0	284.0	275.7	20	29	14.42
GS m4-072	4.0	72	9	104.25	104.21	296.0	288.0	279.7	20	29	14.83
GS m4-073	4.0	73	9	104.30	104.26	300.0	292.0	283.7	20	29	15.25
GS m4-074	4.0	74	9	104.36	104.32	304.0	296.0	287.7	20	29	15.67
GS m4-075	4.0	75	9	104.41	104.37	308.0	300.0	291.7	20	29	16.10
GS m4-076	4.0	76	9	104.47	104.43	312.0	304.0	295.7	20	29	16.54
GS m4-077	4.0	77	10	116.33	116.29	316.0	308.0	299.7	20	29	16.98
GS m4-078	4.0	78	10	116.39	116.35	320.0	312.0	303.7	20	29	17.42
GS m4-079	4.0	79	10	116.45	116.41	324.0	316.0	307.7	20	29	17.87
GS m4-080	4.0	80	10	116.50	116.46	328.0	320.0	311.7	20	29	18.33
GS m4-081	4.0	81	10	116.56	116.52	332.0	324.0	315.7	20	29	18.79

Product Code	mn	z	Wn	Span Size (mm)		Diameter (mm)				T(mm)	Weight (kg)
				max	min	Da	Do	Df	Db		
GS m4-082	4.0	82	10	116.60	116.56	336.0	328.0	319.7	20	29	19.26
GS m4-083	4.0	83	10	116.64	116.60	340.0	332.0	323.7	20	29	19.74
GS m4-084	4.0	84	10	116.72	116.68	344.0	336.0	327.7	20	29	20.22
GS m4-085	4.0	85	10	116.76	116.72	348.0	340.0	331.7	20	29	20.70
GS m4-086	4.0	86	11	128.64	128.60	352.0	344.0	335.7	20	29	21.19
GS m4-087	4.0	87	11	128.70	128.66	356.0	348.0	339.7	20	29	21.69
GS m4-088	4.0	88	11	128.76	128.72	360.0	352.0	343.7	20	29	22.19
GS m4-089	4.0	89	11	128.81	128.77	364.0	356.0	347.7	20	29	22.70
GS m4-090	4.0	90	11	128.87	128.83	368.0	360.0	351.7	20	29	23.22
GS m4-091	4.0	91	11	128.92	128.88	372.0	364.0	355.7	20	29	23.74
GS m4-092	4.0	92	11	128.98	128.94	376.0	368.0	359.7	20	29	24.26
GS m4-093	4.0	93	11	129.04	129.00	380.0	372.0	363.7	20	29	24.80
GS m4-094	4.0	94	11	129.09	129.05	384.0	376.0	367.7	20	29	25.33
GS m4-095	4.0	95	12	140.96	140.92	388.0	380.0	371.7	20	29	25.88
GS m4-096	4.0	96	12	141.02	140.98	392.0	384.0	375.7	20	29	26.43
GS m4-097	4.0	97	12	141.07	141.03	396.0	388.0	379.7	20	29	26.98
GS m4-098	4.0	98	12	141.13	141.09	400.0	392.0	383.7	20	29	27.54
GS m4-099	4.0	99	12	141.18	141.14	404.0	396.0	387.7	20	29	28.11
GS m4-100	4.0	100	12	141.24	141.20	408.0	400.0	391.7	20	29	28.68
GS m4-101	4.0	101	12	141.30	141.26	412.0	404.0	395.7	20	29	29.26
GS m4-102	4.0	102	12	141.35	141.31	416.0	408.0	399.7	20	29	29.84
GS m4-103	4.0	103	12	141.41	141.37	420.0	412.0	403.7	20	29	30.43
GS m4-104	4.0	104	13	153.27	153.23	424.0	416.0	407.7	20	29	31.03
GS m4-105	4.0	105	13	153.33	153.29	428.0	420.0	411.7	20	29	31.63
GS m4-106	4.0	106	13	153.38	153.34	432.0	424.0	415.7	20	29	32.24
GS m4-107	4.0	107	13	153.44	153.40	436.0	428.0	419.7	20	29	32.85
GS m4-108	4.0	108	13	153.50	153.46	440.0	432.0	423.7	20	29	33.47
GS m4-109	4.0	109	13	153.55	153.51	444.0	436.0	427.7	20	29	34.09
GS m4-110	4.0	110	13	153.61	153.57	448.0	440.0	431.7	20	29	34.72
GS m4-111	4.0	111	13	153.67	153.63	452.0	444.0	435.7	20	29	35.35
GS m4-112	4.0	112	13	153.72	153.68	456.0	448.0	439.7	20	29	36.00
GS m4-113	4.0	113	14	165.59	165.55	460.0	452.0	443.7	20	29	36.64
GS m4-114	4.0	114	14	165.64	165.60	464.0	456.0	447.7	20	29	37.30
GS m4-115	4.0	115	14	165.66	165.62	468.0	460.0	451.7	20	29	37.95
GS m4-116	4.0	116	14	165.75	165.71	472.0	464.0	455.7	20	29	38.62
GS m4-117	4.0	117	14	165.81	165.77	476.0	468.0	459.7	20	29	39.29
GS m4-118	4.0	118	14	165.87	165.83	480.0	472.0	463.7	20	29	39.96
GS m4-119	4.0	119	14	165.92	165.88	484.0	476.0	467.7	20	29	40.65
GS m4-120	4.0	120	14	165.98	165.94	488.0	480.0	471.7	20	29	41.33
GS m4-121	4.0	121	14	166.03	165.99	492.0	484.0	475.7	20	29	42.03
GS m4-122	4.0	122	14	166.09	166.05	496.0	488.0	479.7	20	29	42.72
GS m4-123	4.0	123	14	166.15	166.11	500.0	492.0	483.7	20	29	43.43
GS m4-124	4.0	124	14	166.20	166.16	504.0	496.0	487.7	20	29	44.14
GS m4-125	4.0	125	14	166.26	166.22	508.0	500.0	491.7	20	29	44.85

### Table of Spur Gear Mn 5.0

	Item	Symbol				
	Material		DIN 1.0037			
	normal pressure angle	$\psi_n$	20			
	Out Side Diameter	Da	$=mn \times (z+2)$			
	Pitch Diameter	Do	$=mn \times z$			
	Root Diameter	Df	$=Do - 2(mn+0.167)$			
	Bore Diameter	Db	-			
	Thickness	T	39			
Dk	0~50	50~150	150~250	250~350	350~450	450~
Tolerance	+0.1/-0.1	+0.2/-0.2	+0.2/-0.3	+0.3/-0.4	+0.3/-0.4	+0.3/-0.6
Other tolerances according to ISO 2768-1 m						

Product Code	mn	z	Wn	Span Size (mm)		Diameter (mm)				T(mm)	Weight (kg)
				max	min	Da	Do	Df	Db		
GS m5-010	5.0	10	2	22.64	22.59	60.0	50.0	39.7	20	39	0.51
GS m5-011	5.0	11	2	22.71	22.66	65.0	55.0	44.7	20	39	0.63
GS m5-012	5.0	12	2	22.78	22.73	70.0	60.0	49.7	20	39	0.77
GS m5-013	5.0	13	2	22.85	22.80	75.0	65.0	54.7	20	39	0.92
GS m5-014	5.0	14	2	22.92	22.87	80.0	70.0	59.7	20	39	1.09
GS m5-015	5.0	15	2	22.99	22.94	85.0	75.0	64.7	20	39	1.26
GS m5-016	5.0	16	3	37.82	37.77	90.0	80.0	69.7	20	39	1.45
GS m5-017	5.0	17	3	37.89	37.84	95.0	85.0	74.7	20	39	1.65
GS m5-018	5.0	18	3	37.96	37.91	100.0	90.0	79.7	20	39	1.86
GS m5-019	5.0	19	3	38.03	37.98	105.0	95.0	84.7	20	39	2.08
GS m5-020	5.0	20	3	38.10	38.05	110.0	100.0	89.7	20	39	2.32
GS m5-021	5.0	21	3	38.17	38.12	115.0	105.0	94.7	20	39	2.57
GS m5-022	5.0	22	3	38.24	38.19	120.0	110.0	99.7	20	39	2.83
GS m5-023	5.0	23	3	38.31	38.26	125.0	115.0	104.7	20	39	3.10
GS m5-024	5.0	24	4	53.14	53.09	130.0	120.0	109.7	20	39	3.38
GS m5-025	5.0	25	4	53.21	53.16	135.0	125.0	114.7	20	39	3.68
GS m5-026	5.0	26	4	53.28	53.23	140.0	130.0	119.7	20	39	3.99
GS m5-027	5.0	27	4	53.35	53.30	145.0	135.0	124.7	20	39	4.31
GS m5-028	5.0	28	4	53.42	53.37	150.0	140.0	129.7	20	39	4.64
GS m5-029	5.0	29	4	53.49	53.44	155.0	145.0	134.7	20	39	4.98
GS m5-030	5.0	30	4	53.56	53.51	160.0	150.0	139.7	20	39	5.34
GS m5-031	5.0	31	4	53.63	53.58	165.0	155.0	144.7	20	39	5.71
GS m5-032	5.0	32	4	53.70	53.65	170.0	160.0	149.7	20	39	6.09
GS m5-033	5.0	33	5	68.53	68.48	175.0	165.0	154.7	20	39	6.48
GS m5-034	5.0	34	5	68.60	68.55	180.0	170.0	159.7	20	39	6.89
GS m5-035	5.0	35	5	68.67	68.62	185.0	175.0	164.7	20	39	7.30
GS m5-036	5.0	36	5	68.74	68.69	190.0	180.0	169.7	20	39	7.73
GS m5-037	5.0	37	5	68.81	68.76	195.0	185.0	174.7	20	39	8.17
GS m5-038	5.0	38	5	68.89	68.84	200.0	190.0	179.7	20	39	8.63
GS m5-039	5.0	39	5	68.95	68.90	205.0	195.0	184.7	20	39	9.09

Product Code	mn	z	Wn	Span Size (mm)		Diameter (mm)				T(mm)	Weight (kg)
				max	min	Da	Do	Df	Db		
GS m5-040	5.0	40	5	69.02	68.97	210.0	200.0	189.7	20	39	9.57
GS m5-041	5.0	41	6	83.86	83.81	215.0	205.0	194.7	20	39	10.06
GS m5-042	5.0	42	6	83.93	83.88	220.0	210.0	199.7	20	39	10.56
GS m5-043	5.0	43	6	84.00	83.95	225.0	215.0	204.7	20	39	11.07
GS m5-044	5.0	44	6	84.07	84.02	230.0	220.0	209.7	20	39	11.60
GS m5-045	5.0	45	6	84.14	84.09	235.0	225.0	214.7	20	39	12.14
GS m5-046	5.0	46	6	84.21	84.16	240.0	230.0	219.7	20	39	12.69
GS m5-047	5.0	47	6	84.28	84.23	245.0	235.0	224.7	20	39	13.25
GS m5-048	5.0	48	6	84.35	84.30	250.0	240.0	229.7	20	39	13.82
GS m5-049	5.0	49	6	84.42	84.37	255.0	245.0	234.7	20	39	14.41
GS m5-050	5.0	50	7	99.25	99.20	260.0	250.0	239.7	20	39	15.01
GS m5-051	5.0	51	7	99.32	99.27	265.0	255.0	244.7	20	39	15.62
GS m5-052	5.0	52	7	99.39	99.34	270.0	260.0	249.7	20	39	16.24
GS m5-053	5.0	53	7	99.46	99.41	275.0	265.0	254.7	20	39	16.87
GS m5-054	5.0	54	7	99.53	99.48	280.0	270.0	259.7	20	39	17.52
GS m5-055	5.0	55	7	99.60	99.55	285.0	275.0	264.7	20	39	18.18
GS m5-056	5.0	56	7	99.67	99.62	290.0	280.0	269.7	20	39	18.85
GS m5-057	5.0	57	7	99.74	99.69	295.0	285.0	274.7	20	39	19.53
GS m5-058	5.0	58	7	99.81	99.76	300.0	290.0	279.7	20	39	20.23
GS m5-059	5.0	59	8	114.64	114.59	305.0	295.0	284.7	20	39	20.94
GS m5-060	5.0	60	8	114.71	114.66	310.0	300.0	289.7	20	39	21.65
GS m5-061	5.0	61	8	114.78	114.73	315.0	305.0	294.7	20	39	22.39
GS m5-062	5.0	62	8	114.85	114.80	320.0	310.0	299.7	20	39	23.13
GS m5-063	5.0	63	8	114.92	114.87	325.0	315.0	304.7	20	39	23.88
GS m5-064	5.0	64	8	114.99	114.94	330.0	320.0	309.7	20	39	24.65
GS m5-065	5.0	65	8	115.06	115.01	335.0	325.0	314.7	20	39	25.43
GS m5-066	5.0	66	8	115.13	115.08	340.0	330.0	319.7	20	39	26.22
GS m5-067	5.0	67	8	115.20	115.15	345.0	335.0	324.7	20	39	27.03
GS m5-068	5.0	68	9	130.03	129.98	350.0	340.0	329.7	20	39	27.84
GS m5-069	5.0	69	9	130.10	130.05	355.0	345.0	334.7	20	39	28.67
GS m5-070	5.0	70	9	130.17	130.12	360.0	350.0	339.7	20	39	29.51
GS m5-071	5.0	71	9	130.24	130.19	365.0	355.0	344.7	20	39	30.36
GS m5-072	5.0	72	9	130.31	130.26	370.0	360.0	349.7	20	39	31.22
GS m5-073	5.0	73	9	130.38	130.33	375.0	365.0	354.7	20	39	32.10
GS m5-074	5.0	74	9	130.45	130.40	380.0	370.0	359.7	20	39	32.99
GS m5-075	5.0	75	9	130.52	130.47	385.0	375.0	364.7	20	39	33.89
GS m5-076	5.0	76	9	130.59	130.54	390.0	380.0	369.7	20	39	34.80
GS m5-077	5.0	77	10	145.42	145.37	395.0	385.0	374.7	20	39	35.73
GS m5-078	5.0	78	10	145.49	145.44	400.0	390.0	379.7	20	39	36.66
GS m5-079	5.0	79	10	145.56	145.51	405.0	395.0	384.7	20	39	37.61
GS m5-080	5.0	80	10	145.63	145.58	410.0	400.0	389.7	20	39	38.57
GS m5-081	5.0	81	10	145.70	145.65	415.0	405.0	394.7	20	39	39.54

Product Code	mn	z	Wn	Span Size (mm)		Diameter (mm)				T(mm)	Weight (kg)
				max	min	Da	Do	Df	Db		
GS m5-082	5.0	82	10	145.75	145.70	420.0	410.0	399.7	20	39	40.53
GS m5-083	5.0	83	10	145.80	145.75	425.0	415.0	404.7	20	39	41.53
GS m5-084	5.0	84	10	145.90	145.85	430.0	420.0	409.7	20	39	42.53
GS m5-085	5.0	85	10	145.95	145.90	435.0	425.0	414.7	20	39	43.56
GS m5-086	5.0	86	11	160.81	160.76	440.0	430.0	419.7	20	39	44.59
GS m5-087	5.0	87	11	160.88	160.83	445.0	435.0	424.7	20	39	45.63
GS m5-088	5.0	88	11	160.95	160.90	450.0	440.0	429.7	20	39	46.69
GS m5-089	5.0	89	11	161.02	160.97	455.0	445.0	434.7	20	39	47.76
GS m5-090	5.0	90	11	161.09	161.04	460.0	450.0	439.7	20	39	48.84
GS m5-091	5.0	91	11	161.16	161.11	465.0	455.0	444.7	20	39	49.94
GS m5-092	5.0	92	11	161.23	161.18	470.0	460.0	449.7	20	39	51.04
GS m5-093	5.0	93	11	161.30	161.25	475.0	465.0	454.7	20	39	52.16
GS m5-094	5.0	94	11	161.37	161.32	480.0	470.0	459.7	20	39	53.29
GS m5-095	5.0	95	12	176.20	176.15	485.0	475.0	464.7	20	39	54.43
GS m5-096	5.0	96	12	176.27	176.22	490.0	480.0	469.7	20	39	55.59
GS m5-097	5.0	97	12	176.34	176.29	495.0	485.0	474.7	20	39	56.75
GS m5-098	5.0	98	12	176.41	176.36	500.0	490.0	479.7	20	39	57.93
GS m5-099	5.0	99	12	176.48	176.43	505.0	495.0	484.7	20	39	59.12
GS m5-100	5.0	100	12	176.55	176.50	510.0	500.0	489.7	20	39	60.32
GS m5-101	5.0	101	12	176.62	176.57	515.0	505.0	494.7	20	39	61.54
GS m5-102	5.0	102	12	176.69	176.64	520.0	510.0	499.7	20	39	62.76
GS m5-103	5.0	103	12	176.76	176.71	525.0	515.0	504.7	20	39	64.00
GS m5-104	5.0	104	13	191.59	191.54	530.0	520.0	509.7	20	39	65.25
GS m5-105	5.0	105	13	191.66	191.61	535.0	525.0	514.7	20	39	66.51
GS m5-106	5.0	106	13	191.73	191.68	540.0	530.0	519.7	20	39	67.79
GS m5-107	5.0	107	13	191.80	191.75	545.0	535.0	524.7	20	39	69.08
GS m5-108	5.0	108	13	191.87	191.82	550.0	540.0	529.7	20	39	70.38
GS m5-109	5.0	109	13	191.94	191.89	555.0	545.0	534.7	20	39	71.69
GS m5-110	5.0	110	13	192.01	191.96	560.0	550.0	539.7	20	39	73.01
GS m5-111	5.0	111	13	192.08	192.03	565.0	555.0	544.7	20	39	74.35
GS m5-112	5.0	112	13	192.15	192.10	570.0	560.0	549.7	20	39	75.69
GS m5-113	5.0	113	14	206.98	206.93	575.0	565.0	554.7	20	39	77.05
GS m5-114	5.0	114	14	207.05	207.00	580.0	570.0	559.7	20	39	78.42
GS m5-115	5.0	115	14	207.07	207.02	585.0	575.0	564.7	20	39	79.81
GS m5-116	5.0	116	14	207.19	207.14	590.0	580.0	569.7	20	39	81.20
GS m5-117	5.0	117	14	207.26	207.21	595.0	585.0	574.7	20	39	82.61
GS m5-118	5.0	118	14	207.33	207.28	600.0	590.0	579.7	20	39	84.03
GS m5-119	5.0	119	14	207.40	207.35	605.0	595.0	584.7	20	39	85.46
GS m5-120	5.0	120	14	207.47	207.42	610.0	600.0	589.7	20	39	86.91

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