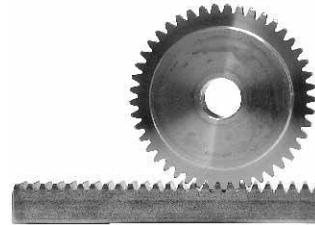
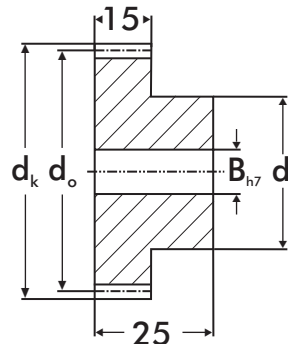


Metric Spur Gears



Module 1 Pressure Angle 20° Material: Steel

AS1443-1994 1045-AISI C1045



Module 1

Part No.	No. of Teeth	Drilled Hole B _{h7}	Hub Diam. d	Outside Diam. dk	Pitch Diam. do
TEA 1012	12	5	9	14	12
TEA 1013	13	5	10	15	13
TEA 1014	14	5	10	16	14
TEA 1015	15	6	12	17	15
TEA 1016	16	6	13	18	16
TEA 1017	17	8	14	19	17
TEA 1018	18	8	15	20	18
TEA 1019	19	8	15	21	19
TEA 1020	20	8	16	22	20
TEA 1021	21	8	16	23	21
TEA 1022	22	8	18	24	22
TEA 1023	23	8	18	25	23
TEA 1024	24	8	20	26	24
TEA 1025	25	8	20	27	25
TEA 1026	26	8	20	28	26
TEA 1027	27	8	20	29	27
TEA 1028	28	8	20	30	28
TEA 1029	29	8	20	31	29
TEA 1030	30	8	20	32	30
TEA 1031	31	10	25	33	31
TEA 1032	32	10	25	34	32
TEA 1033	33	10	25	35	33
TEA 1034	34	10	25	36	34
TEA 1035	35	10	25	37	35
TEA 1036	36	10	25	38	36
TEA 1037	37	10	25	39	37
TEA 1038	38	10	25	40	38
TEA 1039	39	10	25	41	39
TEA 1040	40	10	25	42	40
TEA 1041	41	10	30	43	41
TEA 1042	42	10	30	44	42
TEA 1043	43	10	30	45	43

Part No.	No. of Teeth	Drilled Hole B _{h7}	Hub Diam. d	Outside Diam. dk	Pitch Diam. do
TEA 1044	44	10	30	46	44
TEA 1045	45	10	30	47	45
TEA 1046	46	10	30	48	46
TEA 1047	47	10	30	49	47
TEA 1048	48	10	30	50	48
TEA 1049	49	10	30	51	49
TEA 1050	50	12	30	52	50
TEA 1051	51	12	40	53	51
TEA 1052	52	12	40	54	52
TEA 1053	53	12	40	55	53
TEA 1054	54	12	40	56	54
TEA 1055	55	12	40	57	55
TEA 1056	56	12	40	58	56
TEA 1057	57	12	40	59	57
TEA 1058	58	12	40	60	58
TEA 1059	59	12	40	61	59
TEA 1060	60	12	40	62	60
TEA 1061	61	12	50	63	61
TEA 1062	62	12	50	64	62
TEA 1063	63	12	50	65	63
TEA 1064	64	12	50	66	64
TEA 1065	65	12	50	67	65
TEA 1066	66	12	50	68	66
TEA 1067	67	12	50	69	67
TEA 1068	68	12	50	70	68
TEA 1069	69	12	50	71	69
TEA 1070	70	12	50	72	70

Larger gears are available as hubless version please see page 7.
Larger gears with hubs are available from our SNB range
- please visit our web site www.tea.net.au for specifications.

Notes:

All dimensions are in mm.

1045 steel is heat treatable for higher performance - nitriding (factor 1.5) or to harden (factor 2.5) the teeth.

Our entire SNB range of steel spur gears with hubs is still available, please visit our website for full specifications. www.tea.net.au

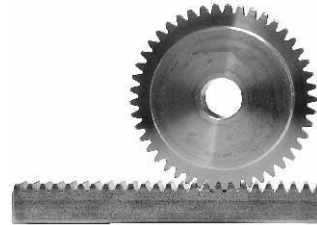
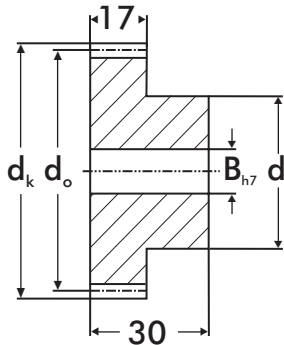
All dimensions are subject to change without notice.

Metric Spur Gears



Module 1.5 Pressure Angle 20° Material: Steel

AS1443-1994 1045-AISI C1045



Module 1.5

Part No.	No. of Teeth	Drilled Hole B _{h7}	Hub Diam. d	Outside Diam. d _k	Pitch Diam. d _o
TEA 1512	12	8	14	21.0	18.0
TEA 1513	13	8	14	22.5	19.5
TEA 1514	14	8	18	24.0	21.0
TEA 1515	15	8	18	25.5	22.5
TEA 1516	16	8	20	27.0	24.0
TEA 1517	17	8	20	28.5	25.5
TEA 1518	18	8	20	30.0	27.0
TEA 1519	19	8	20	31.5	28.5
TEA 1520	20	8	25	33.0	30.0
TEA 1521	21	10	25	34.5	31.5
TEA 1522	22	10	25	36.0	33.0
TEA 1523	23	10	25	37.5	34.5
TEA 1524	24	10	25	39.0	36.0
TEA 1525	25	10	25	40.5	37.5
TEA 1526	26	12	30	42.0	39.0
TEA 1527	27	12	30	43.5	40.5
TEA 1528	28	12	30	45.0	42.0
TEA 1529	29	12	30	46.5	43.5
TEA 1530	30	12	30	48.0	45.0
TEA 1531	31	12	35	49.5	46.5
TEA 1532	32	12	35	51.0	48.0
TEA 1533	33	12	35	52.5	49.5
TEA 1534	34	12	35	54.0	51.0
TEA 1535	35	12	35	55.5	52.5
TEA 1536	36	12	35	57.0	54.0
TEA 1537	37	12	40	58.5	55.5
TEA 1538	38	12	40	60.0	57.0
TEA 1539	39	12	40	61.5	58.5
TEA 1540	40	12	40	63.0	60.0
TEA 1541	41	14	40	64.5	61.5
TEA 1542	42	14	50	66.0	63.0
TEA 1543	43	14	50	67.5	64.5

Part No.	No. of Teeth	Drilled Hole B _{h7}	Hub Diam. d	Outside Diam. d _k	Pitch Diam. d _o
TEA 1544	44	14	50	69.0	66.0
TEA 1545	45	14	50	70.5	67.5
TEA 1546	46	14	50	72.0	69.0
TEA 1547	47	14	50	73.5	70.5
TEA 1548	48	14	50	75.0	72.0
TEA 1549	49	14	50	76.5	73.5
TEA 1550	50	14	50	78.0	75.0
TEA 1551	51	15	60	79.5	76.5
TEA 1552	52	15	60	81.0	78.0
TEA 1553	53	15	60	82.5	79.5
TEA 1554	54	15	60	84.0	81.0
TEA 1555	55	15	60	85.5	82.5
TEA 1556	56	15	60	87.0	84.0
TEA 1557	57	15	60	88.5	85.5
TEA 1558	58	15	60	90.0	87.0
TEA 1559	59	15	60	91.5	88.5
TEA 1560	60	15	60	93.0	90.0
TEA 1561	61	20	70	94.5	91.5
TEA 1562	62	20	70	96.0	93.0
TEA 1563	63	20	70	97.5	94.5
TEA 1564	64	20	70	99.0	96.0
TEA 1565	65	20	70	100.5	97.5
TEA 1566	66	20	70	102.0	99.0
TEA 1567	67	20	70	103.5	100.5
TEA 1568	68	20	70	105.0	102.0
TEA 1569	69	20	70	106.5	103.5
TEA 1570	70	20	70	108.0	105.0

Larger gears are available as hubless version, please see page 7.
Larger gears with hubs are available from our SNB range
- please visit our web site www.tea.net.au for specifications.

Notes:

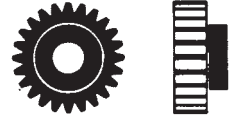
All dimensions are in mm.

1045 steel is heat treatable for higher performance - nitriding (factor 1.5) or to harden (factor 2.5) the teeth.

Our entire SNB range of steel spur gears with hubs is still available, please visit our website for full specifications. www.tea.net.au

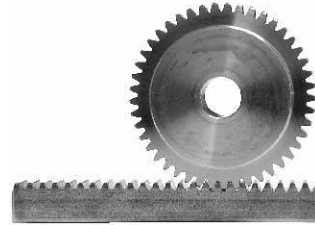
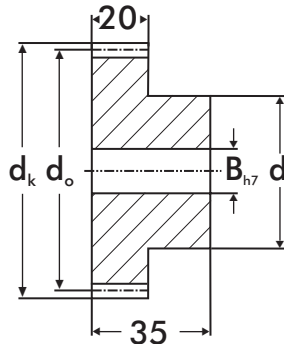
All dimensions are subject to change without notice.

Metric Spur Gears



Module 2 Pressure Angle 20° Material: Steel

AS1443-1994 1045-AISI C1045



Module 2

Part No.	No. of Teeth	Drilled Hole B _{h7}	Hub Diam. d	Outside Diam. dk	Pitch Diam. do
TEA 2012	12	10	18	28	24
TEA 2013	13	10	19	30	26
TEA 2014	14	10	20	32	28
TEA 2015	15	10	22	34	30
TEA 2016	16	10	24	36	32
TEA 2017	17	10	25	38	34
TEA 2018	18	10	25	40	36
TEA 2019	19	10	25	42	38
TEA 2020	20	10	30	44	40
TEA 2021	21	12	30	46	42
TEA 2022	22	12	30	48	44
TEA 2023	23	12	30	50	46
TEA 2024	24	12	35	52	48
TEA 2025	25	12	35	54	50
TEA 2026	26	12	40	56	52
TEA 2027	27	12	40	58	54
TEA 2028	28	12	40	60	56
TEA 2029	29	14	40	62	58
TEA 2030	30	14	40	64	60
TEA 2031	31	14	45	66	62
TEA 2032	32	14	45	68	64
TEA 2033	33	14	45	70	66
TEA 2034	34	14	45	72	68
TEA 2035	35	14	45	74	70
TEA 2036	36	14	45	76	72
TEA 2037	37	14	50	78	74
TEA 2038	38	14	50	80	76
TEA 2039	39	14	50	82	78
TEA 2040	40	14	50	84	80
TEA 2041	41	16	60	86	82
TEA 2042	42	16	60	88	84
TEA 2043	43	16	60	90	86

Part No.	No. of Teeth	Drilled Hole B _{h7}	Hub Diam. d	Outside Diam. dk	Pitch Diam. do
TEA 2044	44	16	60	92	88
TEA 2045	45	16	60	94	90
TEA 2046	46	16	60	96	92
TEA 2047	47	16	60	98	94
TEA 2048	48	16	70	100	96
TEA 2049	49	16	70	102	98
TEA 2050	50	16	70	104	100
TEA 2051	51	20	70	106	102
TEA 2052	52	20	70	108	104
TEA 2053	53	20	70	110	106
TEA 2054	54	20	70	112	108
TEA 2055	55	20	70	114	110
TEA 2056	56	20	70	116	112
TEA 2057	57	20	70	118	114
TEA 2058	58	20	70	120	116
TEA 2059	59	20	70	122	118
TEA 2060	60	20	70	124	120
TEA 2061	61	20	80	126	122
TEA 2062	62	20	80	128	124
TEA 2063	63	20	80	130	126
TEA 2064	64	20	80	132	128
TEA 2065	65	20	80	134	130
TEA 2066	66	20	80	136	132
TEA 2067	67	20	80	138	134
TEA 2068	68	20	80	140	136
TEA 2069	69	20	80	142	138
TEA 2070	70	20	80	144	140

Larger gears are available as hubless version please see page 7.
Larger gears with hubs are available in our SNB range
- please visit our web site www.tea.net.au for specifications.

Notes:

All dimensions are in mm.

1045 steel is heat treatable for higher performance - nitriding (factor 1.5) or to harden (factor 2.5) the teeth.

Our entire SNB range of steel spur gears with hubs is still available, please visit our website for full specifications. www.tea.net.au

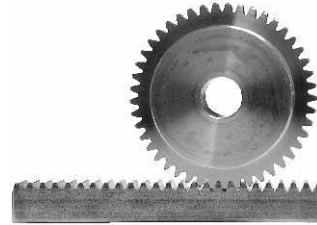
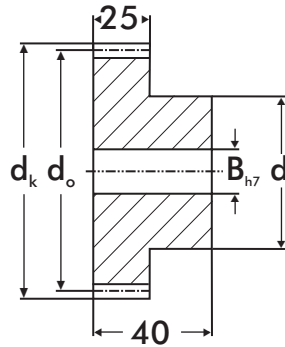
All dimensions are subject to change without notice.

Metric Spur Gears



Module 2.5 Pressure Angle 20° Material: Steel

AS1443-1994 1045-AISI C1045



Module 2.5

Part No.	No. of Teeth	Drilled Hole B _{h7}	Hub Diam. d	Outside Diam. d _k	Pitch Diam. d _o
TEA 2512	12	10	22	35.0	30.0
TEA 2513	13	10	25	37.5	32.5
TEA 2514	14	10	28	40.0	35.0
TEA 2515	15	10	30	42.5	37.5
TEA 2516	16	12	32	45.0	40.0
TEA 2517	17	12	35	47.5	42.5
TEA 2518	18	12	35	50.0	45.0
TEA 2519	19	12	35	52.5	47.5
TEA 2520	20	14	40	55.0	50.0
TEA 2521	21	14	40	57.5	52.5
TEA 2522	22	14	45	60.0	55.0
TEA 2523	23	14	45	62.5	57.5
TEA 2524	24	14	45	65.0	60.0
TEA 2525	25	14	50	67.5	62.5
TEA 2526	26	14	50	70.0	65.0
TEA 2527	27	14	50	72.5	67.5
TEA 2528	28	14	50	75.0	70.0
TEA 2529	29	14	50	77.5	72.5
TEA 2530	30	16	55	80.0	75.0
TEA 2531	31	16	55	82.5	77.5
TEA 2532	32	16	55	85.0	80.0
TEA 2533	33	16	55	87.5	82.5
TEA 2534	34	16	55	90.0	85.0
TEA 2535	35	16	60	92.5	87.5
TEA 2536	36	16	60	95.0	90.0
TEA 2537	37	16	60	97.5	92.5
TEA 2538	38	16	60	100.0	95.0
TEA 2539	39	16	60	102.5	97.5
TEA 2540	40	20	70	105.0	100.0
TEA 2541	41	20	70	107.5	102.5
TEA 2542	42	20	70	110.0	105.0
TEA 2543	43	20	70	112.5	107.5

Part No.	No. of Teeth	Drilled Hole B _{h7}	Hub Diam. d	Outside Diam. d _k	Pitch Diam. d _o
TEA 2544	44	20	70	115.0	110.0
TEA 2545	45	20	70	117.5	112.5
TEA 2546	46	20	70	120.0	115.0
TEA 2547	47	20	80	122.5	117.5
TEA 2548	48	20	80	125.0	120.0
TEA 2549	49	20	80	127.5	122.5
TEA 2550	50	20	80	130.0	125.0
TEA 2551	51	20	90	132.5	127.5
TEA 2552	52	20	90	135.0	130.0
TEA 2553	53	20	90	137.5	132.5
TEA 2554	54	20	90	140.0	135.0
TEA 2555	55	20	90	142.5	137.5
TEA 2556	56	20	100	145.0	140.0
TEA 2557	57	20	100	147.5	142.5
TEA 2558	58	20	100	150.0	145.0
TEA 2559	59	20	100	152.5	147.5
TEA 2560	60	20	100	155.0	150.0

Larger gears are available as hubless version please see page 7.

Larger gears with hubs are available from our SNB range

- please visit our web site www.tea.net.au for specifications.

Notes:

All dimensions are in mm.

1045 steel is heat treatable for higher performance - nitriding (factor 1.5) or to harden (factor 2.5) the teeth.

Our entire SNB range of steel spur gears with hubs is still available, please visit our website for full specifications. www.tea.net.au

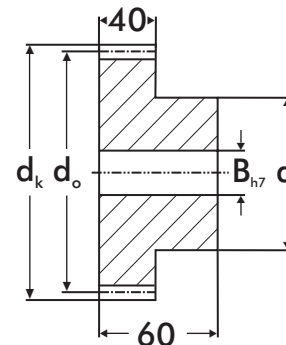
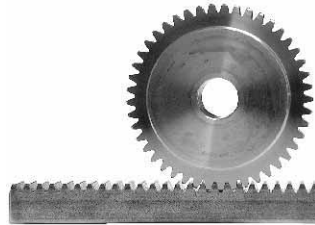
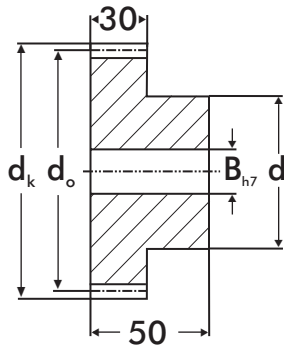
All dimensions are subject to change without notice.

Metric Spur Gears



Module 3 & Module 4 Pressure Angle 20°

Material: Steel AS1443-1994 1045-AISI C1045



Module 3

Part No.	No. of Teeth	Drilled Hole B _{h7}	Hub Diam. d	Outside Diam. d _k	Pitch Diam. d _o
TEA 3012	12	12	25	42	36
TEA 3013	13	12	25	45	39
TEA 3014	14	12	30	48	42
TEA 3015	15	12	35	51	45
TEA 3016	16	15	38	54	48
TEA 3017	17	15	42	57	51
TEA 3018	18	15	45	60	54
TEA 3019	19	15	45	63	57
TEA 3020	20	15	45	66	60
TEA 3021	21	15	45	69	63
TEA 3022	22	15	50	72	66
TEA 3023	23	15	50	75	69
TEA 3024	24	16	50	78	72
TEA 3025	25	16	60	81	75
TEA 3026	26	16	60	84	78
TEA 3027	27	16	60	87	81
TEA 3028	28	16	60	90	84
TEA 3029	29	16	60	93	87
TEA 3030	30	16	60	96	90
TEA 3031	31	20	70	99	93
TEA 3032	32	20	70	102	96
TEA 3033	33	20	70	105	99
TEA 3034	34	20	70	108	102
TEA 3035	35	20	70	111	105
TEA 3036	36	20	70	114	108
TEA 3037	37	20	80	117	111
TEA 3038	38	20	80	120	114
TEA 3039	39	20	80	123	117
TEA 3040	40	20	80	126	120
TEA 3041	41	20	90	129	123
TEA 3042	42	20	90	132	126
TEA 3043	43	20	90	135	129
TEA 3044	44	20	90	138	132
TEA 3045	45	20	90	141	135
TEA 3046	46	20	90	144	138
TEA 3047	47	20	90	147	141
TEA 3048	48	20	100	150	144

Module 4

Part No.	No. of Teeth	Drilled Hole B _{h7}	Hub Diam. d	Outside Diam. d _k	Pitch Diam. d _o
TEA 4012	12	14	35	56	48
TEA 4013	13	14	40	60	52
TEA 4014	14	14	45	64	56
TEA 4015	15	14	45	68	60
TEA 4016	16	15	50	72	64
TEA 4017	17	15	50	76	68
TEA 4018	18	15	50	80	72
TEA 4019	19	15	60	84	76
TEA 4020	20	15	60	88	80
TEA 4021	21	20	70	92	84
TEA 4022	22	20	70	96	88
TEA 4023	23	20	75	100	92
TEA 4024	24	20	75	104	96
TEA 4025	25	20	75	108	100
TEA 4026	26	20	75	112	104
TEA 4027	27	20	75	116	108
TEA 4028	28	20	75	120	112
TEA 4029	29	20	75	124	116
TEA 4030	30	20	75	128	120
TEA 4031	31	20	80	132	124
TEA 4032	32	20	80	136	128
TEA 4033	33	20	80	140	132
TEA 4034	34	20	80	144	136
TEA 4035	35	20	80	148	140
TEA 4036	36	20	80	152	144

Larger gears without hubs are available, please see page 8.
Larger gears with hubs are available from our SNB range
- please visit our web site www.tea.net.au for specifications.

Notes:

All dimensions are in mm.

1045 steel is heat treatable for higher performance - nitriding (factor 1.5) or to harden (factor 2.5) the teeth.

The entire range of SNB steel spur gears is still available, please visit our website for specifications. www.tea.net.au

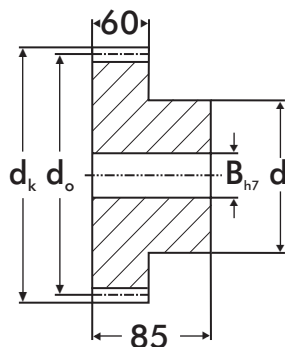
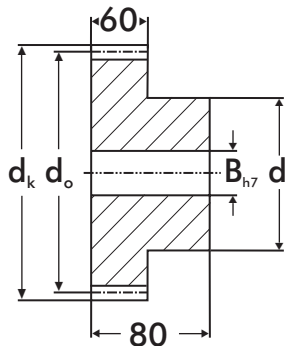
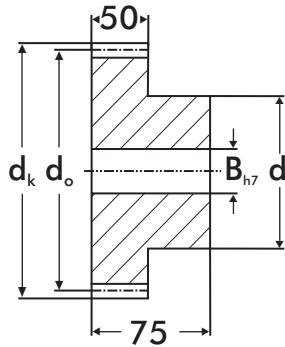
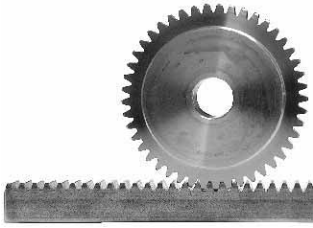
All dimensions are subject to change without notice.

Metric Spur Gears

Modules 5, 6 & 8

Pressure Angle 20°

Material: Steel AS1443-1994 1045-AISI C1045



Module 5

Part No.	No. of Teeth	Drilled Hole B_{h7}	Hub Diam. d	Outside Diam. d_k	Pitch Diam. d_o
TEA5012	12	16	45	70	60
TEA5013	13	16	50	75	65
TEA5014	14	20	55	80	70
TEA5015	15	20	60	85	75
TEA5016	16	20	65	90	80
TEA5017	17	20	70	95	85
TEA5018	18	20	70	100	90
TEA5019	19	20	70	105	95
TEA5020	20	20	80	110	100
TEA5021	21	20	80	115	105
TEA5022	22	25	80	120	110
TEA5023	23	25	90	125	115
TEA5024	24	25	90	130	120
TEA5025	25	25	90	135	125
TEA5026	26	25	100	140	130
TEA5027	27	25	100	145	135
TEA5028	28	25	100	150	140
TEA5029	29	25	100	155	145
TEA5030	30	25	100	160	150

Module 6

Part No.	No. of Teeth	Drilled Hole B_{h7}	Hub Diam. d	Outside Diam. d_k	Pitch Diam. d_o
TEA6012	12	20	54	84	72
TEA6013	13	20	60	90	78
TEA6015	15	20	70	102	90
TEA6016	16	20	75	108	96
TEA6018	18	20	80	120	108
TEA6020	20	20	90	132	120
TEA6024	24	25	110	156	144
TEA6025	25	25	110	162	150

Module 8

Part No.	No. of Teeth	Drilled Hole B_{h7}	Hub Diam. d	Outside Diam. d_k	Pitch Diam. d_o
SN8015	15	30	100	136	120
SN8018	18	30	110	160	144
SN8020	20	40	120	176	160
SN8024	24	40	120	208	192
SN8030	30	40	160	256	240
SN8036	36	50	160	304	288
SN8040	40	50	180	336	320

Notes:

All dimensions are in mm.

1045 steel is heat treatable for higher performance - nitriding (factor 1.5) or to harden (factor 2.5) the teeth.

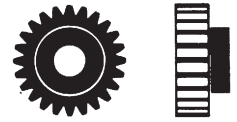
Larger gears for Modules 5 & 6 are available as hubless gears please see page 8.

Larger gears for Modules 5, 6 & 8 are available with hubs from our SNB range.

The entire range of SNB spur gears with hubs is still available, please visit our website for full specifications. www.tea.net.au

All dimensions are subject to change without notice.

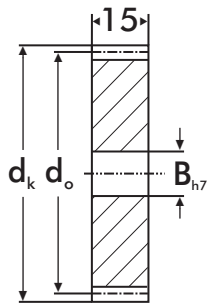
Metric Spur Gears - hubless



Modules 1-2.5

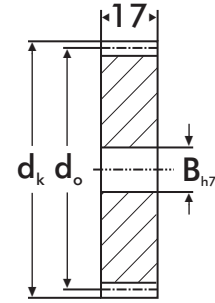
Pressure Angle 20°

Material: Steel AS1443-1994 1045 AISI C1045



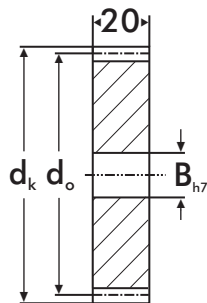
Module 1

Add NH to Part No.	No. of Teeth	Drilled Hole B _{h7}	Outside Diam. d _k	Pitch Diam. d _o
TEA1072	72	12	74	72
TEA1075	75	12	77	75
TEA1076	76	12	78	76
TEA1080	80	12	82	80
TEA1085	85	12	87	85
TEA1090	90	12	92	90
TEA1095	95	12	97	95
TEA10100	100	12	102	100
TEA10110	110	12	112	110
TEA10114	114	12	116	114
TEA10120	120	12	122	120
TEA10127	127	12	129	127



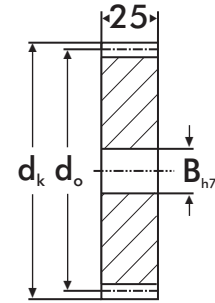
Module 1.5

Add NH to Part No.	No. of Teeth	Drilled Hole B _{h7}	Outside Diam. d _k	Pitch Diam. d _o
TEA1572	72	20	110.0	108.0
TEA1575	75	20	115.5	112.5
TEA1576	76	20	117.0	114.0
TEA1580	80	20	123.0	120.0
TEA1585	85	20	130.5	127.5
TEA1590	90	20	138.0	135.0
TEA1595	95	20	145.5	142.5
TEA15100	100	20	153.0	150.0
TEA15110	110	20	168.0	165.0
TEA15114	114	20	174.0	171.0
TEA15120	120	20	183.0	180.0
TEA15127	127	20	193.5	190.5



Module 2

Add NH to Part No.	No. of Teeth	Drilled Hole B _{h7}	Outside Diam. d _k	Pitch Diam. d _o
TEA2072	72	20	148	144
TEA2075	75	20	154	150
TEA2076	76	20	156	152
TEA2080	80	20	164	160
TEA2085	85	20	174	170
TEA2090	90	20	184	180
TEA2095	95	20	194	190
TEA20100	100	20	204	200
TEA20110	110	20	224	220
TEA20114	114	20	232	228
TEA20120	120	20	244	240
TEA20127	127	20	258	254



Module 2.5

Add NH to Part No.	No. of Teeth	Drilled Hole B _{h7}	Outside Diam. d _k	Pitch Diam. d _o
TEA2565	65	20	167.5	162.5
TEA2570	70	20	180.0	175.0
TEA2572	72	20	185.0	180.0
TEA2575	75	20	192.5	187.5
TEA2576	76	20	195.0	190.0
TEA2580	80	25	205.0	200.0
TEA2585	85	25	217.5	212.5
TEA2590	90	25	230.0	225.0
TEA2595	95	25	242.5	237.5
TEA25100	100	25	255.0	250.0
TEA25110	110	25	280.0	275.0
TEA25114	114	25	290.0	285.0
TEA25120	120	25	305.0	300.0
TEA25127	127	25	322.5	317.5

Notes:

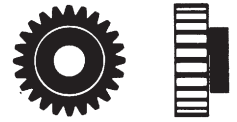
All dimensions are in mm.

1045 steel is heat treatable for higher performance - nitriding (factor 1.5) or to harden (factor 2.5) the teeth.

The entire range of SNB spur gears with hubs is still available, please visit our website for full specifications. www.tea.net.au

All dimensions are subject to change without notice.

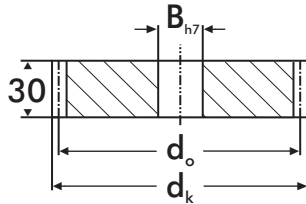
Metric Spur Gears - hubless



Modules 3-6

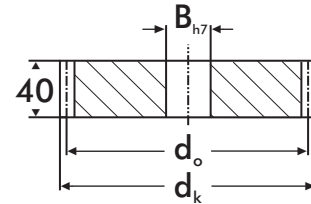
Pressure Angle 20°

Material: Steel AS1443-1994 1045 AISI C1045



Module 3

Add NH to Part No.	No. of Teeth	Drilled Hole B _{h7}	Outside Diam. d _k	Pitch Diam. d _o
TEA3050	50	25	156	150
TEA3052	52	25	162	156
TEA3055	55	25	171	165
TEA3057	57	25	177	171
TEA3060	60	25	186	180
TEA3065	65	25	201	195
TEA3070	70	25	216	210
TEA3072	72	25	222	216
TEA3075	75	25	231	225
TEA3076	76	25	234	228
TEA3080	80	25	246	240
TEA3085	85	25	261	255
TEA3090	90	25	276	270
TEA3095	95	25	291	285
TEA30100	100	25	306	300
TEA30110	110	25	336	330
TEA30114	114	30	348	342
TEA30120	120	30	366	360
TEA30127	127	30	387	381

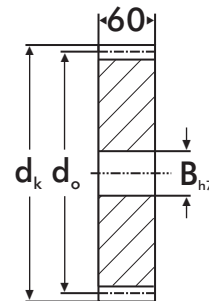
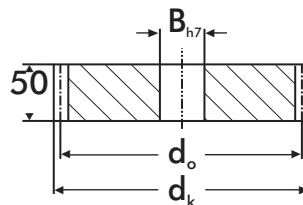


Module 4

Add NH to Part No.	No. of Teeth	Drilled Hole B _{h7}	Outside Diam. d _k	Pitch Diam. d _o
TEA4038	38	25	160	152
TEA4040	40	25	168	160
TEA4045	45	25	188	180
TEA4048	48	25	200	192
TEA4050	50	25	208	200
TEA4052	52	25	216	208
TEA4055	55	25	228	220
TEA4057	57	25	236	228
TEA4060	60	25	248	240
TEA4065	65	25	268	260
TEA4070	70	25	288	280
TEA4075	75	25	308	300
TEA4076	76	25	312	304
TEA4080	80	25	328	320
TEA4085	85	25	348	340
TEA4090	90	25	368	360
TEA4095	95	25	388	380
TEA40100	100	25	408	400
TEA40110	110	25	448	440
TEA40114	114	25	464	456

Module 5

Add NH to Part No.	No. of Teeth	Drilled Hole B _{h7}	Outside Diam. d _k	Pitch Diam. d _o
TEA5032	32	25	170	160
TEA5035	35	25	185	175
TEA5038	38	30	200	190
TEA5040	40	30	210	200
TEA5045	45	30	235	225
TEA5048	48	30	250	240
TEA5050	50	30	260	250
TEA5052	52	30	270	260
TEA5055	55	30	285	275
TEA5057	57	30	295	285
TEA5060	60	30	310	300
TEA5065	65	30	335	325
TEA5070	70	30	360	350
TEA5075	75	30	385	375
TEA5076	76	30	390	380
TEA5080	80	30	410	400
TEA5085	85	30	435	425
TEA5090	90	30	460	450
TEA5095	95	30	485	475
TEA50100	100	30	510	500
TEA50110	110	30	560	550
TEA50114	114	30	580	570



Module 6

Part No.	No. of Teeth	Drilled Hole B _{h7}	Outside Diam. d _k	Pitch Diam. d _o
TEA6028	28	25	180	168
TEA6030	30	25	192	180
TEA6032	32	25	204	192
TEA6035	35	25	222	210
TEA6038	38	25	240	220
TEA6040	40	25	252	240

Notes:

All dimensions are in mm.

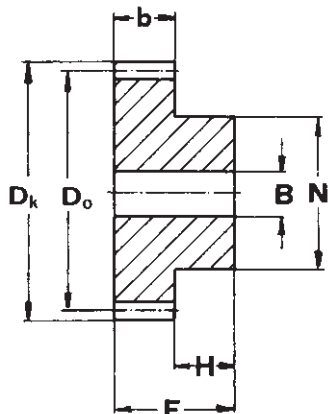
1045 steel is heat treatable for higher performance - nitriding (factor 1.5) or to harden (factor 2.5) the teeth.

The entire range of SNB spur gears with hubs is still available, please visit our website for full specifications. www.tea.net.au

All dimensions are subject to change without notice.

METRIC SPUR GEARS

Module 1 Pressure Angle 20° **Material: Steel** AISI 1146 12 to 60 tooth
 AISI 1045 64 to 80 tooth



No. of Teeth	Dimensions in mm							Torque		Part No.
	Predrilled Hole B _{h7}	Hub Diam. N	Outside Diam. D _k	Pitch Diam. D _o	Length Overall F	H	Face Width b	Md (Nm)	Md (lbs.ft.)	
12	6	9	14	12	25	10	15	0.2	0.1	SNB1012
13	5	10	15	13	25	10	15	0.3	0.2	SNB1013
14	5	10	16	14	25	10	15	0.3	0.2	SNB1014
15	6	12	17	15	25	10	15	0.4	0.3	SNB1015
16	6	13	18	16	25	10	15	0.5	0.3	SNB1016
17	6	14	19	17	25	10	15	0.6	0.4	SNB1017
18	8	15	20	18	25	10	15	0.7	0.5	SNB1018
19	8	16	21	19	25	10	15	0.8	0.5	SNB1019
20	8	16	22	20	25	10	15	0.9	0.6	SNB1020
21	8	18	23	21	25	10	15	1.0	0.7	SNB1021
22	8	19	24	22	25	10	15	1.1	0.8	SNB1022
23	8	20	25	23	25	10	15	1.2	0.8	SNB1023
24	10	20	26	24	25	10	15	1.3	0.9	SNB1024
25	10	20	27	25	25	10	15	1.4	1.0	SNB1025
26	8	22	28	26	25	10	15	1.5	1.1	SNB1026
27	8	23	29	27	25	10	15	1.6	1.1	SNB1027
28	8	25	30	28	25	10	15	1.7	1.2	SNB1028
29	8	25	31	29	25	10	15	1.8	1.3	SNB1029
30	10	20	32	30	25	10	15	1.9	1.4	SNB1030
31	10	25	33	31	25	10	15	2.0	1.4	SNB1031
32	10	25	34	32	25	10	15	2.1	1.5	SNB1032
33	10	25	35	33	25	10	15	2.3	1.7	SNB1033
34	10	28	36	34	25	10	15	2.4	1.7	SNB1034
35	10	25	37	35	25	10	15	2.6	1.9	SNB1035
36	10	28	38	36	25	10	15	2.7	1.9	SNB1036
37	10	28	39	37	25	10	15	2.8	2.0	SNB1037
38	10	28	40	38	25	10	15	3.0	2.2	SNB1038
39	10	28	41	39	25	10	15	3.1	2.2	SNB1039
40	10	25	42	40	25	10	15	3.3	2.4	SNB1040
41	10	30	43	41	25	10	15	3.4	2.5	SNB1041
42	10	30	44	42	25	10	15	3.6	2.6	SNB1042
43	10	30	45	43	25	10	15	3.8	2.8	SNB1043
44	10	30	46	44	25	10	15	3.9	2.8	SNB1044
45	10	30	47	45	25	10	15	4.1	3.0	SNB1045
46	10	30	48	46	25	10	15	4.3	3.1	SNB1046
47	10	35	49	47	25	10	15	4.5	3.3	SNB1047
48	10	35	50	48	25	10	15	4.6	3.3	SNB1048
49	10	35	51	49	25	10	15	4.8	3.5	SNB1049
50	10	30	52	50	25	10	15	5.0	3.6	SNB1050
51	10	35	53	51	25	10	15	5.1	3.7	SNB1051
52	10	40	54	52	25	10	15	5.2	3.8	SNB1052
53	10	40	55	53	25	10	15	5.4	3.9	SNB1053
54	10	40	56	54	25	10	15	5.6	4.1	SNB1054
55	10	40	57	55	25	10	15	5.8	4.2	SNB1055
56	10	40	58	56	25	10	15	6.0	4.4	SNB1056
57	10	40	59	57	25	10	15	6.1	4.5	SNB1057
58	10	45	60	58	25	10	15	6.3	4.6	SNB1058
59	10	45	61	59	25	10	15	6.5	4.7	SNB1059
60	10	50	62	60	25	10	15	6.7	4.9	SNB1060
64	10	50	66	64	25	10	15	7.6	5.6	SNB1064
72	10	50	74	72	25	10	15	9.7	7.1	SNB1072
80	10	50	82	80	25	10	15	11.9	8.7	SNB1080

Important Notes: Spur gears in **BOLD** type are our usual stock items - all other sizes available on request.
 All dimensions are subject to change without notice.
 The listed torques: Md (Nm)/(lbs.ft.) are based on a rotation speed of 200RPM.
 SF = 1.4 (Safety factor for tooth root stress).
 SH = 1.0 (Safety factor for Hertzian stress) for continuous operation.

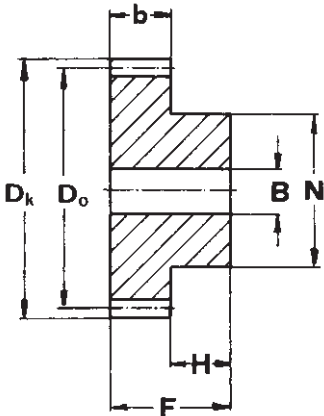
METRIC SPUR GEARS

Module 1.5 Pressure Angle 20°

Material: Steel

AISI 1146 12 to 40 tooth

AISI 1045 41 to 80 tooth

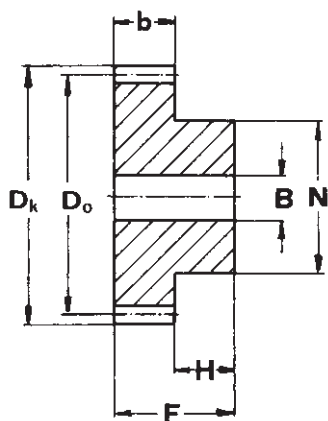
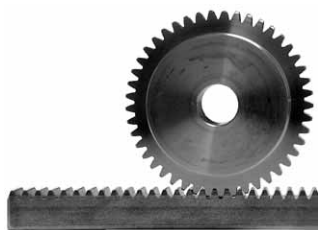


No. of Teeth	Dimensions in mm							Torque		Part No.
	Predrilled Hole B _{hr}	Hub Diam. N	Outside Diam. D _k	Pitch Diam. D _o	Length Overall F	H	Face Width b	Md (Nm)	Md (lbs.ft.)	
12	8	14	21.0	18	30	13	17	0.8	0.5	SNB1512
13	6	15	22.5	19.5	30	13	17	0.9	0.6	SNB1513
14	6	16	24.0	21	30	13	17	1.1	0.8	SNB1514
15	8	18	25.5	22.5	30	13	17	1.2	0.8	SNB1515
16	8	19	27.0	24	30	13	17	1.4	1.0	SNB1516
17	8	20	28.5	25.5	30	13	17	1.7	1.2	SNB1517
18	8	20	30.0	27	30	13	17	1.9	1.4	SNB1518
19	8	22	31.5	28.5	30	13	17	2.1	1.5	SNB1519
20	8	25	33.0	30	30	13	17	2.3	1.6	SNB1520
21	8	25	34.5	31.5	30	13	17	2.5	1.8	SNB1521
22	8	28	36.0	33	30	13	17	2.8	2.1	SNB1522
23	8	28	37.5	34.5	30	13	17	3.0	2.2	SNB1523
24	10	25	39.0	36	30	13	17	3.4	2.5	SNB1524
25	10	30	40.5	37.5	30	13	17	3.6	2.6	SNB1525
26	10	30	42.0	39	30	13	17	3.9	2.8	SNB1526
27	10	35	43.5	40.5	30	13	17	4.1	3.0	SNB1527
28	10	35	45.0	42	30	13	17	4.4	3.2	SNB1528
29	10	35	46.5	43.5	30	13	17	4.8	3.5	SNB1529
30	10	35	48.0	45	30	13	17	5.0	3.6	SNB1530
31	10	43	49.5	46.5	30	13	17	5.4	3.9	SNB1531
32	10	40	51.0	48	30	13	17	5.7	4.2	SNB1532
33	10	40	52.5	49.5	30	13	17	6.0	4.4	SNB1533
34	10	40	54.0	51	30	13	17	6.2	4.5	SNB1534
35	10	40	55.5	52.5	30	13	17	6.6	4.8	SNB1535
36	12	45	57.0	54	30	13	17	6.9	5.0	SNB1536
37	12	45	58.5	55.5	30	13	17	7.3	5.3	SNB1537
38	12	45	60.0	57	30	13	17	7.6	5.6	SNB1538
39	12	45	61.5	58.5	30	13	17	8.0	5.9	SNB1539
40	12	45	63.0	60	30	13	17	8.4	6.1	SNB1540
41	12	50	64.5	61.5	30	13	17	8.8	6.4	SNB1541
42	12	50	66.0	63	30	13	17	9.2	6.7	SNB1542
43	12	50	67.5	64.5	30	13	17	9.6	7.0	SNB1543
44	12	50	69.0	66	30	13	17	10.0	7.3	SNB1544
45	12	50	70.5	67.5	30	13	17	10.5	7.7	SNB1545
46	12	55	72.0	69	30	13	17	10.9	8.0	SNB1546
47	12	55	73.5	70.5	30	13	17	11.4	8.4	SNB1547
48	12	55	75.0	72	30	13	17	11.8	8.7	SNB1548
49	12	55	76.5	73.5	30	13	17	12.3	9.0	SNB1549
50	12	55	78.0	75	30	13	17	12.8	9.4	SNB1550
54	12	60	84.0	81.0	30	13	17	14.8	10.9	SNB1554
56	12	60	87.0	84	30	13	17	15.8	11.6	SNB1556
57	12	60	88.5	85.5	30	13	17	16.4	12.0	SNB1557
60	15	60	93.0	90	30	13	17	18.0	13.2	SNB1560
64	15	70	99.0	96.0	30	13	17	20.3	14.9	SNB1564
72	15	70	111.0	108	30	13	17	24.1	17.7	SNB1572
80	15	80	123.0	120	30	13	17	31.1	22.9	SNB1580

Important Notes: Spur gears in **BOLD** type are our usual stock items - all other sizes available on request.
 All dimensions are subject to change without notice.
 The listed torques: Md (Nm)/(lbs.ft.) are based on a rotation speed of 200RPM.
 SF = 1.4 (Safety factor for tooth root stress).
 SH = 1.0 (Safety factor for Hertzian stress) for continuous operation.

METRIC SPUR GEARS

Module 2 Pressure Angle 20° **Material: Steel** AISI 1146 12 to 29 tooth
 AISI 1045 30 to 80 tooth

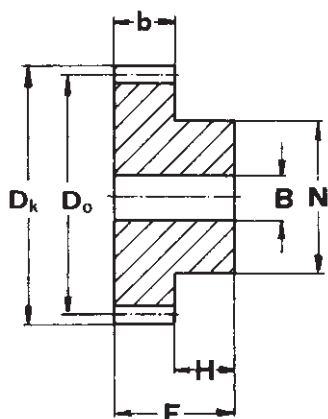


No. of Teeth	Dimensions in mm							Torque		Part No.
	Predrilled Hole B _{h7}	Hub Diam. N	Outside Diam. D _k	Pitch Diam. D _o	Length Overall F	H	Face Width b	Md (Nm)	Md (lbs.ft.)	
12	10	18	28	24	35	15	20	1.7	1.2	SNB2012
13	10	19	30	26	35	15	20	1.9	1.4	SNB2013
14	12	20	32	28	35	15	20	2.2	1.6	SNB2014
15	10	24	34	30	35	15	20	2.6	1.9	SNB2015
16	12	25	36	32	35	15	20	3.0	2.2	SNB2016
17	12	25	38	34	35	15	20	3.5	2.5	SNB2017
18	10	25	40	36	35	15	20	4.0	2.9	SNB2018
19	12	32	42	38	35	15	20	4.4	3.2	SNB2019
20	10	30	44	40	35	15	20	4.9	3.6	SNB2020
21	15	34	46	42	35	15	20	5.5	4.0	SNB2021
22	15	35	48	44	35	15	20	6.0	4.4	SNB2022
23	15	35	50	46	35	15	20	6.6	4.8	SNB2023
24	12	35	52	48	35	15	20	7.2	5.3	SNB2024
25	12	35	54	50	35	15	20	7.8	5.7	SNB2025
26	15	45	56	52	35	15	20	8.1	5.9	SNB2026
27	15	45	58	54	35	15	20	8.7	6.4	SNB2027
28	15	45	60	56	35	15	20	9.3	6.8	SNB2028
29	15	50	62	58	35	15	20	10.0	7.4	SNB2029
30	14	40	64	60	35	15	20	10.6	7.8	SNB2030
31	20	50	66	62	35	15	20	11.3	8.3	SNB2031
32	20	50	68	64	35	15	20	12.0	8.8	SNB2032
33	20	50	70	66	35	15	20	12.7	9.3	SNB2033
34	20	50	72	68	35	15	20	13.4	9.8	SNB2034
35	14	45	74	70	35	15	20	14.1	10.3	SNB2035
36	14	45	76	72	30	15	20	14.9	10.9	SNB2036
37	20	55	78	74	35	15	20	15.6	11.5	SNB2037
38	20	55	80	76	35	15	20	16.5	12.1	SNB2038
39	20	60	82	78	35	15	20	17.3	12.7	SNB2039
40	20	60	84	80	35	15	20	18.1	13.3	SNB2040
41	20	65	86	82	35	15	20	19.0	14.0	SNB2041
42	20	65	88	84	35	15	20	19.8	14.6	SNB2042
43	20	70	90	86	35	15	20	20.7	15.2	SNB2043
44	20	70	92	88	35	15	20	21.6	15.9	SNB2044
45	20	70	94	90	35	15	20	22.6	16.6	SNB2045
46	20	70	96	92	35	15	20	23.5	17.3	SNB2046
47	20	70	98	94	35	15	20	24.5	18.0	SNB2047
48	16	70	100	96	35	15	20	25.5	18.8	SNB2048
49	20	80	102	98	35	15	20	26.6	19.6	SNB2049
50	20	80	104	100	35	15	20	27.6	20.3	SNB2050
54	20	80	112	108	35	15	20	31.9	23.5	SNB2054
56	25	90	116	112	35	15	20	34.2	25.2	SNB2056
57	25	90	118	114	35	15	20	35.4	26.1	SNB2057
60	25	90	124	120	35	15	20	39.0	28.7	SNB2060
64	25	90	132	128	35	15	20	43.1	31.7	SNB2064
72	25	100	148	144	35	15	20	53.8	39.6	SNB2072
80	30	100	164	160	35	15	20	66.0	48.6	SNB2080

Important Notes: Spur gears in **BOLD** type are our usual stock items - all other sizes available on request.
 All dimensions are subject to change without notice.
 The listed torques: Md (Nm)/(lbs.ft.) are based on a rotation speed of 200RPM.
 SF = 1.4 (Safety factor for tooth root stress).
 SH = 1.0 (Safety factor for Hertzian stress) for continuous operation.

METRIC SPUR GEARS

Module 2.5 Pressure Angle 20° **Material: Steel** AISI 1146 12 to 23 tooth
 AISI 1045 24 to 72 tooth

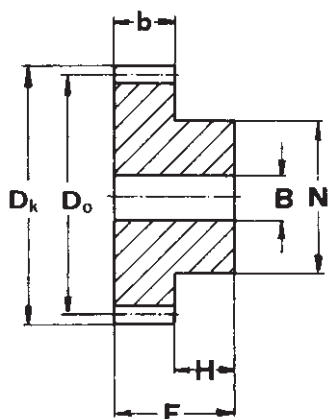
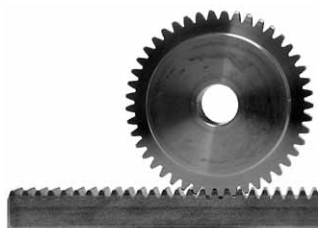


No. of Teeth	Dimensions in mm							Torque		Part No.
	Predrilled Hole B _{h7}	Hub Diam. N	Outside Diam. D _k	Pitch Diam. D _o	Length Overall F	H	Face Width b	Md (Nm)	Md (lbs.ft.)	
12	10	22	35	30	33	13	25	2.4	1.7	SNB2512
13	10	24	37.5	32.5	40	15	25	3.4	2.5	SNB2513
14	15	28	40	35	40	15	25	4.2	3.0	SNB2514
15	10	30	42.5	37.5	33	13	20	5.0	3.6	SNB2515
16	15	30	45	40	40	15	25	5.8	4.2	SNB2516
17	15	30	47.5	42.5	40	15	25	6.7	4.9	SNB2517
18	15	35	50	45	40	15	25	7.7	5.6	SNB2518
19	15	35	52.5	47.5	40	15	25	8.6	6.3	SNB2519
20	15	40	55	50	40	15	25	9.5	7.0	SNB2520
21	15	45	57.5	52.5	40	15	25	10.4	7.6	SNB2521
22	15	45	60	55	40	15	25	11.4	8.4	SNB2522
23	15	45	62.5	57.5	40	15	25	12.4	9.1	SNB2523
24	14	45	65	60	33	13	20	13.5	9.9	SNB2524
25	15	55	67.5	62.5	40	15	25	14.6	10.7	SNB2525
26	15	55	70	65	40	15	25	15.8	11.6	SNB2526
27	15	60	72.5	67.5	40	15	25	17.0	12.5	SNB2527
28	15	60	75	70	40	15	25	18.1	13.3	SNB2528
29	15	60	77.5	72.5	40	15	25	19.4	14.3	SNB2529
30	14	55	80	75	37	17	20	20.7	15.2	SNB2530
31	20	65	82.5	77.5	40	15	25	22.0	16.2	SNB2531
32	20	70	85	80	40	15	25	23.4	17.2	SNB2532
33	20	70	87.5	82.5	40	15	25	24.8	18.2	SNB2533
34	20	70	90	85	40	15	25	26.3	19.3	SNB2534
35	20	70	92.5	87.5	40	15	25	27.8	20.5	SNB2535
36	20	70	95	90	40	15	25	29.3	21.6	SNB2536
37	20	75	97.5	92.5	40	15	25	31.0	22.8	SNB2537
38	20	75	100	95	40	15	25	32.5	23.9	SNB2538
39	20	80	102.5	97.5	40	15	25	34.1	25.1	SNB2539
40	20	80	105	100	40	15	25	35.9	26.4	SNB2540
42	20	80	110	105	40	15	25	39.4	29.0	SNB2542
45	20	90	117.5	112.5	40	15	25	45.0	33.1	SNB2545
48	20	90	125	120	40	15	25	50.8	37.4	SNB2548
50	20	100	130	125	40	15	25	55.0	40.5	SNB2550
54	25	100	140	135	40	15	25	63.5	46.8	SNB2554
56	25	100	145	140	40	15	25	68.0	50.1	SNB2556
60	25	100	155	150	40	15	25	77.0	56.7	SNB2560
72	25	100	185	180	40	15	25	110.2	81.2	SNB2572

Important Notes: Spur gears in **BOLD** type are our usual stock items - all other sizes available on request.
 All dimensions are subject to change without notice.
 The listed torques: Md (Nm)/(lbs.ft.) are based on a rotation speed of 200RPM.
 SF = 1.4 (Safety factor for tooth root stress).
 SH = 1.0 (Safety factor for Hertzian stress) for continuous operation.

METRIC SPUR GEARS

Module 3 Pressure Angle 20° **Material: Steel** AISI 1146 12 to 19 tooth
 AISI 1045 20 to 80 tooth

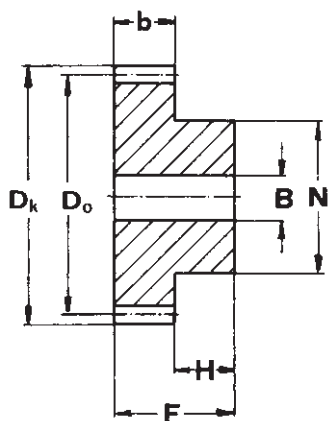


No. of Teeth	Dimensions in mm							Torque		Part No.
	Predrilled Hole B _{h7}	Hub Diam. N	Outside Diam. D _k	Pitch Diam. D _o	Length Overall F	H	Face Width b	Md (Nm)	Md (lbs.ft.)	
12	12	27	42	36	50	20	30	5.4	3.9	SNB3012
13	15	30	45	39	50	20	30	6.3	4.6	SNB3013
14	15	30	48	42	50	20	30	7.6	5.6	SNB3014
15	15	35	51	45	50	20	30	9.1	6.7	SNB3015
16	15	35	54	48	50	20	30	10.6	7.8	SNB3016
17	15	40	57	51	50	20	30	12.3	9.0	SNB3017
18	15	45	60	54	50	20	30	13.9	10.2	SNB3018
19	15	45	63	57	50	20	30	15.0	11.0	SNB3019
20	14	45	66	60	50	20	30	16.5	12.1	SNB3020
21	15	50	69	63	50	20	30	18.2	13.4	SNB3021
22	15	50	72	66	50	20	30	20.0	14.7	SNB3022
23	15	55	75	69	50	20	30	21.7	16.0	SNB3023
24	16	50	78	72	50	20	30	23.6	17.4	SNB3024
25	15	60	81	75	50	20	30	25.5	18.8	SNB3025
26	15	65	84	78	50	20	30	28.5	21.0	SNB3026
27	15	65	87	81	50	20	30	30.7	22.6	SNB3027
28	15	70	90	84	50	20	30	33.0	24.3	SNB3028
29	15	70	93	87	50	20	30	35.3	26.0	SNB3029
30	16	60	96	90	50	20	30	37.6	27.7	SNB3030
31	20	80	99	93	50	20	30	40.1	29.5	SNB3031
32	20	80	102	96	50	20	30	42.6	31.4	SNB3032
33	20	80	105	99	50	20	30	45.2	33.3	SNB3033
34	20	85	108	102	50	20	30	47.8	35.2	SNB3034
35	20	85	111	105	50	20	30	50.6	37.3	SNB3035
36	20	90	114	108	50	20	30	53.4	39.3	SNB3036
37	20	90	117	111	50	20	30	56.3	41.5	SNB3037
38	20	95	120	114	50	20	30	59.3	43.7	SNB3038
39	20	100	123	117	50	20	30	62.3	45.9	SNB3039
40	20	100	126	120	50	20	30	65.4	48.2	SNB3040
42	20	100	132	126	50	20	30	71.7	52.8	SNB3042
45	20	100	141	135	50	20	30	81.9	60.4	SNB3045
48	20	100	150	144	50	20	30	93.0	68.5	SNB3048
50	25	110	156	150	50	20	30	100.4	74.0	SNB3050
54	25	110	168	162	50	20	30	116.5	85.9	SNB3054
56	25	120	174	168	50	20	30	125.0	92.1	SNB3056
60	25	120	186	180	50	20	30	143.0	105.4	SNB3060
72	25	120	222	216	50	20	30	203.8	150.3	SNB3072
80	25	120	246	240	50	20	30	250.4	184.6	SNB3080

Important Notes: Spur gears in **BOLD** type are our usual stock items - all other sizes available on request.
 All dimensions are subject to change without notice.
 The listed torques: Md (Nm)/(lbs.ft.) are based on a rotation speed of 200RPM.
 SF = 1.4 (Safety factor for tooth root stress).
 SH = 1.0 (Safety factor for Hertzian stress) for continuous operation.

METRIC SPUR GEARS

Module 4 Pressure Angle 20° Material: Steel AISI 1045



No. of Teeth	Dimensions in mm							Torque		Part No.
	Predrilled Hole B _{h7}	Hub Diam. N	Outside Diam. D _k	Pitch Diam. D _o	Length Overall F	H	Face Width b	Md (Nm)	Md (lbs.ft.)	
12	20	35	56	48	60	20	40	12.3	9.0	SNB4012
13	20	35	60	52	60	20	40	15.2	11.2	SNB4013
14	20	45	64	56	60	20	40	18.2	13.4	SNB4014
15	20	45	68	60	60	20	40	21.2	15.6	SNB4015
16	20	50	72	64	60	20	40	24.2	17.8	SNB4016
17	20	50	76	68	60	20	40	27.4	20.2	SNB4017
18	20	55	80	72	60	20	40	30.7	22.6	SNB4018
19	20	60	84	76	60	20	40	34.2	25.2	SNB4019
20	20	65	88	80	60	20	40	37.8	27.8	SNB4020
21	20	70	92	84	60	20	40	41.6	30.6	SNB4021
22	20	70	96	88	60	20	40	45.5	33.5	SNB4022
23	20	75	100	92	60	20	40	49.5	36.5	SNB4023
24	20	75	104	96	60	20	40	53.7	39.6	SNB4024
25	20	75	108	100	60	20	40	58.1	42.8	SNB4025
26	20	80	112	104	60	20	40	62.5	46.0	SNB4026
27	20	80	116	108	60	20	40	67.3	49.6	SNB4027
28	20	80	120	112	60	20	40	72.1	53.1	SNB4028
29	20	80	124	116	60	20	40	77.0	56.7	SNB4029
30	20	80	128	120	60	20	40	82.1	60.5	SNB4030
32	20	90	136	128	60	20	40	93.1	68.6	SNB4032
35	30	90	148	140	60	20	40	111.7	82.3	SNB4035
36	30	90	152	144	60	20	40	118.2	87.1	SNB4036
40	30	100	168	160	60	20	40	146.2	107.8	SNB4040
42	30	100	176	168	60	20	40	161.2	118.8	SNB4042
45	30	110	188	180	60	20	40	185.2	136.5	SNB4045
48	30	110	200	192	60	20	40	210.7	155.4	SNB4048
50	30	120	208	200	60	20	40	228.8	168.7	SNB4050
54	30	120	224	216	60	20	40	264.8	195.3	SNB4054
56	30	130	232	224	60	20	40	287.2	211.8	SNB4056
60	30	140	248	240	60	20	40	327.2	241.3	SNB4060
64	40	140	264	256	60	20	40	369.5	272.5	SNB4064
72	40	140	296	288	60	20	40	463.8	342.0	SNB4072
80	40	140	328	320	60	20	40	570.5	420.7	SNB4080

Important Notes: All sizes available on request.

All dimensions are subject to change without notice.

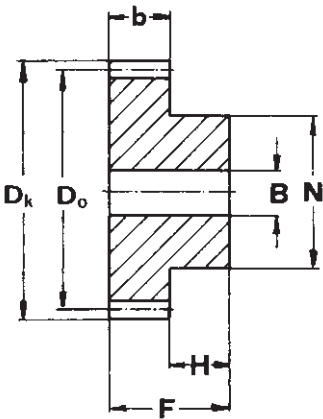
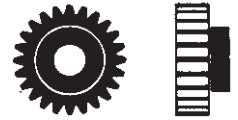
The listed torques: Md (Nm)/(lbs.ft.) are based on a rotation speed of 200RPM.

SF = 1.4 (Safety factor for tooth root stress).

SH = 1.0 (Safety factor for Hertzian stress) for continuous operation.

METRIC SPUR GEARS

Module 5 Pressure Angle 20° **Material: Steel** AISI 1045

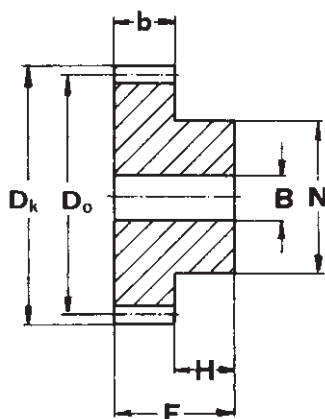
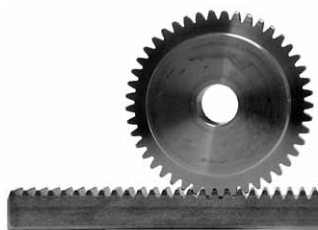


No. of Teeth	Dimensions in mm							Torque		Part No.
	Predrilled Hole B_{hr}	Hub Diam. N	Outside Diam. D_k	Pitch Diam. D_o	Length Overall F	H	Face Width b	Md (Nm)	Md (lbs.ft.)	
12	20	45	70	60	70	20	50	24.3	17.9	SNB5012
13	20	45	75	65	70	20	50	30.7	22.6	SNB5013
14	20	55	80	70	70	20	50	36.7	27.0	SNB5014
15	20	60	85	75	70	20	50	42.4	31.2	SNB5015
16	20	65	90	80	70	20	50	48.4	35.6	SNB5016
17	20	70	95	85	70	20	50	53.1	39.1	SNB5017
18	20	70	100	90	70	20	50	61.8	45.5	SNB5018
19	20	70	105	95	70	20	50	68.7	50.6	SNB5019
20	25	75	110	100	70	20	50	75.8	55.9	SNB5020
21	25	75	115	105	70	20	50	83.2	61.3	SNB5021
22	25	80	120	110	70	20	50	90.9	67.0	SNB5022
23	25	80	125	115	70	20	50	98.8	72.8	SNB5023
24	25	80	130	120	70	20	50	107.0	78.9	SNB5024
25	25	80	135	125	70	20	50	115.6	85.2	SNB5025
26	25	90	140	130	70	20	50	124.2	91.6	SNB5026
27	25	90	145	135	70	20	50	133.2	98.2	SNB5027
28	25	90	150	140	70	20	50	142.5	105.1	SNB5028
29	25	90	155	145	70	20	50	152.1	112.1	SNB5029
30	25	90	160	150	70	20	50	162.0	119.4	SNB5030
32	30	100	170	160	70	20	50	186.6	137.6	SNB5032
35	30	100	185	175	70	20	50	222.4	164.0	SNB5035
36	30	105	190	180	70	20	50	235.0	173.3	SNB5036
38	30	105	200	190	70	20	50	260.9	192.4	SNB5038
40	30	110	210	200	70	20	50	300.2	221.4	SNB5040
45	30	110	235	225	70	20	50	381.0	281.0	SNB5045
48	30	120	250	240	70	20	50	434.0	320.1	SNB5048
50	30	120	260	250	70	20	50	456.8	336.9	SNB5050
54	30	130	280	270	70	20	50	551.6	406.8	SNB5054
60	30	140	310	300	70	20	50	678.4	500.3	SNB5060

Important Notes: All sizes available on request.
 All dimensions are subject to change without notice.
 The listed torques: Md (Nm)/(lbs.ft.) are based on a rotation speed of 200RPM.
 SF = 1.4 (Safety factor for tooth root stress).
 SH = 1.0 (Safety factor for Hertzian stress) for continuous operation.

METRIC SPUR GEARS

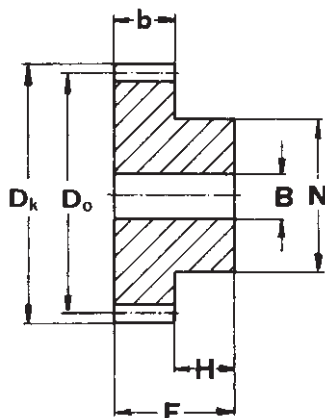
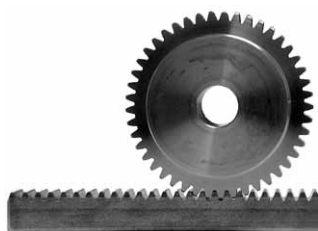
Module 6 Pressure Angle 20° Material: Steel AISI 1045



No. of Teeth	Dimensions in mm							Torque		Part No.
	Predrilled Hole B _{h7}	Hub Diam. N	Outside Diam. D _k	Pitch Diam. D _o	Length Overall F	H	Face Width b	Md (Nm)	Md (lbs.ft.)	
12	20	50	84	72	75	25	50	52.3	38.5	SN6012
15	20	65	102	90	75	25	50	62.8	46.3	SN6015
16	20	70	108	96	75	25	50	71.7	52.8	SN6016
18	20	75	120	108	75	25	50	90.7	66.8	SN6018
20	25	80	132	120	75	25	50	111.2	82.0	SN6020
24	25	80	156	144	75	25	50	156.8	115.6	SN6024
25	25	90	162	150	75	25	50	169.2	124.7	SN6025
28	25	90	180	168	75	25	50	209.0	154.1	SN6028
30	25	100	192	180	75	25	50	247.4	182.4	SN6030
36	30	110	228	216	75	25	50	360.3	265.7	SN6036
40	30	120	252	240	75	25	50	446.7	329.4	SN6040
45	30	130	282	270	75	25	50	567.4	418.4	SN6045
48	30	140	300	288	75	25	50	644.2	475.1	SN6048
50	30	150	312	300	75	25	50	701.5	517.3	SN6050

Important Notes: All sizes available on request.
 All dimensions are subject to change without notice.
 The listed torques: Md (Nm)/(lbs.ft.) are based on a rotation speed of 200RPM.
 SF = 1.4 (Safety factor for tooth root stress).
 SH = 1.0 (Safety factor for Hertzian stress) for continuous operation.

Module 8 Pressure Angle 20° Material: Steel AISI 1045



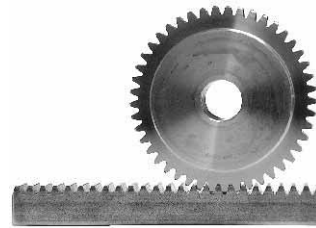
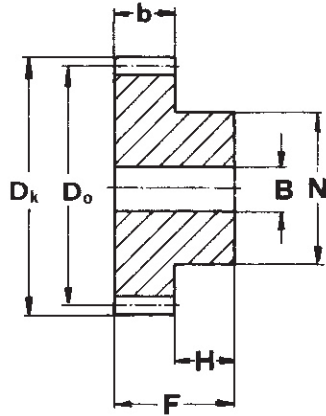
No. of Teeth	Dimensions in mm							Torque		Part No.
	Predrilled Hole B _{h7}	Hub Diam. N	Outside Diam. D _k	Pitch Diam. D _o	Length Overall F	H	Face Width b	Md (Nm)	Md (lbs.ft.)	
15	30	100	136	120	85	25	60	123.7	91.2	SN8015
18	30	110	160	144	85	25	60	179.2	132.1	SN8018
20	40	120	176	160	85	25	60	225.3	166.1	SN8020
24	40	120	208	192	85	25	60	331.3	244.3	SN8024
30	40	160	256	240	85	25	60	525.6	387.6	SN8030
36	50	160	304	288	85	25	60	761.1	561.3	SN8036
40	50	180	336	320	85	25	60	942.6	695.2	SN8040

Important Notes: All sizes available on request.
 All dimensions are subject to change without notice.
 The listed torques: Md (Nm)/(lbs.ft.) are based on a rotation speed of 200RPM.
 SF = 1.4 (Safety factor for tooth root stress).
 SH = 1.0 (Safety factor for Hertzian stress) for continuous operation.

Metric Spur Gears

Modules 1-4 Pressure Angle 20° Material: Stainless Steel

1.4305
AS2837-1986-303
AISI 303



Module	Part No.	No. of Teeth	Drilled Hole B_{hr}	Hub Diam. N	Outside Diam. D_k	Pitch Diam. D_o	Length Overall F	H	Face Width b	Torque Md (Nm)
1	SNE1015	15	6	12	17	15	15	7	8	0.23
	SNE1020	20	8	16	22	20	15	7	8	0.48
	SNE1025	25	8	20	27	25	16	8	8	0.7
	SNE1030	30	8	25	32	30	16	8	8	1.0
	SNE1040	40	8	30	42	40	16	8	8	1.7
1.5	SNE1515	15	8	18	25.5	22.5	23	11	12	0.9
	SNE1520	20	8	25	33	30	23	11	12	1.7
	SNE1525	25	10	30	40.5	37.5	23	11	12	2.6
	SNE1530	30	10	35	48	45	24	12	12	3.5
	SNE1540	40	10	45	63	60	24	12	12	5.8
2	SNE2015	15	12	25	34	30	27	11	16	2.1
	SNE2020	20	15	35	44	40	27	11	16	4.0
	SNE2025	25	15	45	54	50	30	14	6	6.3
	SNE2030	30	15	45	64	61	30	14	16	8.6
	SNE2040	40	15	50	84	80	30	14	16	14.6
2.5	SNE2515	15	15	30	42.5	37.5	33	13	20	4.0
	SNE2520	20	15	40	55	50	33	13	20	7.6
	SNE2525	25	15	50	67.5	62.5	33	13	20	11.7
	SNE2530	30	20	50	80	75	37	17	20	16.5
	SNE2540	40	20	55	105	100	37	17	20	28.7
3	SNE3015	15	15	35	51	45	40	16	24	7.3
	SNE3020	20	15	50	66	60	40	16	24	13.3
	SNE3025	25	15	65	81	75	43	19	24	20.4
	SNE3030	30	20	70	96	90	43	19	24	30.1
	SNE3040	40	20	75	126	120	43	19	24	52.4
4	SNE4015	15	20	45	68	60	52	20	32	16.8
	SNE4020	20	20	60	88	80	52	20	32	30.2
	SNE4025	25	20	75	108	100	55	23	32	46.2
	SNE4030	30	20	80	128	120	55	23	32	65.8
	SNE4040	40	30	80	168	160	55	23	32	115.4

Notes: All measurements are in mm unless otherwise stated.

The listed torques: Md (Nm) are based on a rotation speed of 200rpm and refer to a combination of two pinions of the corresponding type.

SF = 1.4 (safety factor for tooth root stress).

SH = 1.0 (safety factor for Hertzian stress) for continuous operation.

1 Nm = 0.737561 lbs.ft

All dimensions are subject to change without notice.

Metric Racks

Actual Tooth Sizes Pictured



Module 0.5

Pitch 1.57



Module 1.0

Pitch 3.1416



Module 1.5

Pitch 4.7124



Module 2.0

Pitch 6.2832



Module 2.5

Pitch 7.8540



Module 4.0

Pitch 12.5664



Module 3.0

Pitch 9.4248



Module 5.0

Pitch 15.7080



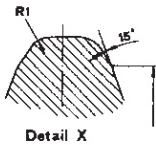
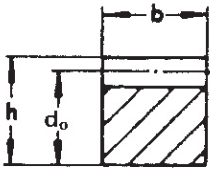
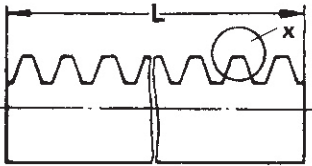
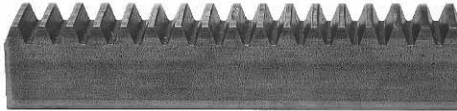
Module 6.0

Pitch 18.8496

METRIC RACKS Pitch and Diagrams of actual size see page 14



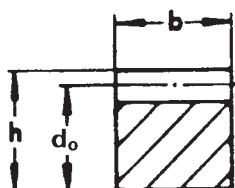
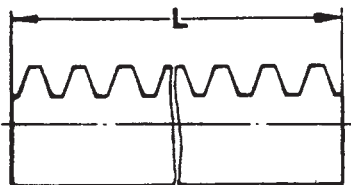
Modules 1-8 Pressure Angle 20° Material: Steel CK45 - AS1443-1994-1045
C40 - AS1443-AISI1040



Module	Dimensions in mm				Approx. Weight per mtr. kg(lbs)	Part No.
	Face Width b_{h11}	Height		Length L (mm) ⁺¹⁰ ₀		
		h_{h11}	d_o (tolerance)			
1	15	15	14 (0-0.2)	500	1.7 (6.7)	BZ 10/500
	15	15	14	1000		BZ 10/1000
	15	15	14	2000		BZ 10/2000
1.5	17	17	15.5(0-0.25)	500	2.1 (8.4)	BZ 15/500
	17	17	15.5	1000		BZ 15/1000
	17	17	15.5	2000		BZ 15/2000
2	20	20	18 (0-0.25)	500	2.9 (11.3)	BZ 20/500
	20	20	18	1000		BZ 20/1000
	20	20	18	2000		BZ 20/2000
2.5	25	25	22.5	500	4.0 (16.2)	BZ 25/500
	25	25	22.5	1000		BZ 25/1000
	25	25	22.5	2000		BZ 25/2000
3	30	30	27 (0-0.3)	500	6.2 (25.3)	BZ 30/500
	30	30	27	1000		BZ 30/1000
	30	30	27	2000		BZ 30/2000
4	40	40	36 (0-0.3)	500	11.0 (44.9)	BZ 40/500
	40	40	36	1000		BZ 40/1000
	40	40	36	2000		BZ 40/2000
5	50	50	45 (0-0.35)	500	15.9 (64.8)	BZ 50/500
	50	50	45	1000		BZ 50/1000
	50	50	45	2000		BZ 50/2000
6	60	60	46.5 (0-0.4)	1000	24.3 (110.7)	BZ 60/1000
	60	60	46.5	2000		BZ 60/2000
8	80	80	62 (0-0.5)	1000	42.7 (188.3)	BZ 80/1000
	80	80	62	2000		BZ 80/2000

Notes:
 3 mtr. lengths available on request.
 Machined ends for continuous mounting available.
 Pitch error ± 0.1 mm/mtr
 All dimensions are subject to change without notice.

Modules 1-3 Pressure Angle 20° Material: Stainless Steel AS2837-1986-303
AISI 303



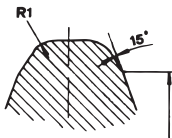
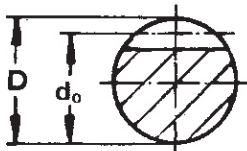
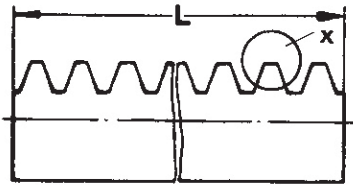
Module	Dimensions in mm				Part No.
	Face Width b_{h11}	Height		Length L (mm)	
		h_{h11}	d_o		
1	8	8	7	1000	ZE 10/1000
1.5	12	12	10.5	1000	ZE 15/1000
2	16	16	14	1000	ZE 20/1000
2.5	20	20	17.5	1000	ZE 25/1000
3	24	24	21	1000	ZE 30/1000

Notes:
 Dimensions the same as above Steel Rack available on request.
 Longer lengths available on request.
 All dimensions are subject to change without notice.



Metric Racks - Round Profile

Modules 1-6 Pressure Angle 20° Material: Steel C40h7 AS1443-1040

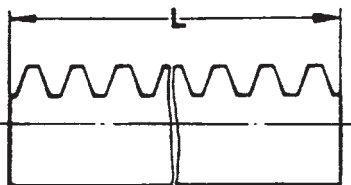


Detail X

Module	Dimensions in mm			Approx. Weight per mtr. kg (lbs).	Part No.
	D _{h7}	d _o	Length L (mm) ^{+10/-0}		
1	10	9	500	0.55 (1.21)	RZ 10/500
	10	9	1000		RZ 10/1000
	10	9	2000		RZ 10/2000
1.5	15	13.5	500	1.33 (2.94)	RZ 15/500
	15	13.5	1000		RZ 15/1000
	15	13.5	2000		RZ 15/2000
2	20	18	500	2.3 (5.07)	RZ 20/500
	20	18	1000		RZ 20/1000
	20	18	2000		RZ 20/2000
2.5	25	22.5	500	3.38 (7.46)	RZ 25/500
	25	22.5	1000		RZ 25/1000
	25	22.5	2000		RZ 25/2000
3	30	27	500	5.12 (11.29)	RZ 30/500
	30	27	1000		RZ 30/1000
	30	27	2000		RZ 30/2000
4	40	36	500	9.09 (20.04)	RZ 40/500
	40	36	1000		RZ 40/1000
	40	36	2000		RZ 40/2000
5	50	45	500	13.54 (29.85)	RZ 50/500
	50	45	1000		RZ 50/1000
	50	45	2000		RZ 50/2000
6	50	44	1000	RZ 60/1000	
	50	44	2000	RZ 60/2000	

Pitch error ≤ ± 0.005mm.
 Added up errors ≤ ± 0.1mm on 1000mm.
 Round rack is also available in 3 mtr lengths on request.
 All dimensions are subject to change without notice.

Modules 1-3 Pressure Angle 20° Material: Stainless Steel
 AS2837-1986-303-4305 AISI 303



Module	Dimensions in mm			Part No.
	D _{h6}	d _o	Length L (mm)	
1	10	9	1000	RZE 10/1000
1.5	15	13.5	1000	RZE 15/1000
2	20	18	1000	RZE 20/1000
2.5	25	22.5	1000	RZE 25/1000
3	30	27	1000	RZE 30/1000

All dimensions are subject to change without notice.
 Also available up to 2 mtr lengths.
 Also available in Module 4 & 5.



T.E.A. Machine Components Inc.

Your partner in quality engineering components since 2003

Thank you for downloading product information from TEA's wide range of engineering components.

Now, please contact us for any further information, prices and delivery.

Our contact details are:

T.E.A. Machine Components Inc.
2281-F Dabney Road
Virginia 23230
U.S.A.

Ph: +1-804-342-0004

Fax: +1-804-342-0006

Web: www.teausa.net

Email: sales@teausa.net

You are assured of prompt and efficient service at all times.