

SMS20 SERIES

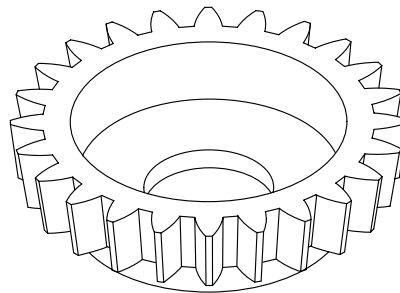
20° PA

Module	Pitch Dia.	Bore	No. Teeth	Whole Depth	Series
0.75	3	1-1/4	100	.0729	SMS20-075-3
0.8	3	1-1/4	96	.0776	SMS20-080-3
1	3	1-1/4	76	.0965	SMS20-100-3
1	4	1-1/4	100	.0965	SMS20-100-4
1.25	3	1-1/4	60	.1206	SMS20-125-3
1.5	3	1-1/4	51	.1447	SMS20-150-3
1.5	4	1-1/4	68	.1447	SMS20-150-4
1.75	3	1-1/4	44	.1688	SMS20-175-3
2	3	1-1/4	38	.1929	SMS20-200-3
2	4	1-1/4	50	.1929	SMS20-200-4
2.25	3	1-1/4	34	.2170	SMS20-225-3
2.5	3	1-1/4	30	.2411	SMS20-250-3
2.5	4	1-1/4	40	.2411	SMS20-250-4
2.75	3	1-1/4	28	.2653	SMS20-275-3
3	3	1-1/4	25	.2894	SMS20-300-3
3	4	1-1/4	34	.2894	SMS20-300-4
3.5	3	1-1/4	22	.3376	SMS20-350-3
3.5	4	1-1/4	29	.3376	SMS20-350-4
4	3	1-1/4	19	.3858	SMS20-400-3
4	4	1-1/4	25	.3858	SMS20-400-4
4.5	4	1-1/4	22	.4341	SMS20-450-4
5	4	1-1/4	20	.4823	SMS20-500-4
5.5	4	1-1/4	18	.5089	SMS20-550-4
6	4	1-1/4	17	.5551	SMS20-600-4
6.5	4	1-1/4	16	.6014	SMS20-650-4
7	4	1-1/4	15	.6476	SMS20-700-4
8	5	1-3/4	16	.7402	SMS20-800-5

MODULE

Pre-Shave, Disc Type

Non-Topping



$$2.35/DP = WD$$

*Whole Depth

$$8.5 \text{ Mod. to } 5.08 \text{ Mod.} = 2.35/DP$$

$$5 \text{ Mod to } 1.25 \text{ Mod} = 2.45/DP$$

$$1.24 \text{ Mod to } 0.20 \text{ Mod} = 2.4/DP + .002$$

Pre-shave cutters 1.5 module & coarser have protuberance, cutters 1.25 module & finer do not have protuberance. When designing for a specific part (1.25 module & finer) most cutter manufacturers will modify the pressure angle slightly to aid the shaving cutter, rather than incorporating a protuberance feature.