

Pre-rolling diameter for splines with ASA profile (in mm)

Number of teeth	Pressure angle 30°				Pressure angle 37,5°				Pressure angle 45°			
	DP 32/64	DP 24/48	DP 20/40	DP 16/32	DP 32/64	DP 24/48	DP 20/40	DP 16/32	DP 32/64	DP 24/48	DP 20/40	DP 16/32
15	11,735				11,862				11,943			
17	13,322	17,737	21,323	26,670	13,449	17,958	21,554	26,962	13,531	18,057	21,712	27,103
18	14,122	18,796	22,593	28,270	14,244	19,017	22,824	28,550	14,323	19,116	22,979	28,689
19	14,917	19,855	23,863	29,858	15,037	20,074	24,092	30,135	15,118	20,175	24,249	30,279
20	15,710	20,917	25,136	31,445	15,829	21,130	25,362	31,722	15,913	21,234	25,519	31,877
21	16,505	21,996	26,391	33,033	16,622	22,189	26,532	33,310	16,705	22,301	26,789	33,472
22	17,297	23,051	27,661	34,620	17,417	23,249	27,899	34,895	17,506	23,360	28,059	35,067
23	19,092	24,205	28,931	36,195	18,209	24,303	29,169	36,482	18,301	24,409	29,327	36,659
24	18,885	25,159	30,201	37,783	19,004	25,362	30,349	38,070	19,096	25,451	30,597	38,252
25	19,680	26,226	31,445	39,383	19,794	26,421	31,707	39,654	19,891	26,535	31,864	39,845
26	20,472	27,292	32,741	40,958	20,589	27,480	32,977	41,242	20,688	27,592	33,134	41,44
27	21,267	28,346	34,011	42,545	21,382	28,534	34,247	42,827	21,483	28,651	34,402	43,002
28	22,060	29,401	35,281	44,133	22,177	29,594	35,514	44,414	22,278	29,710	35,672	44,623
28	22,855	30,455	36,551	45,720	22,969	30,653	36,784	45,002	23,063	30,721	36,942	46,215
30	23,647	31,547	37,833	47,308	23,762	31,712	38,054	47,587	23,851	31,826	38,212	47,81
31	24,442	32,576	39,103	48,895	24,554	32,771	39,322	49,174	24,646	32,886	39,479	49,403
32	25,235	33,642	40,361	50,483	25,349	33,828	40,592	50,762	25,441	33,942	40,749	50,991
33	26,030	34,696	41,631	52,070	26,142	34,882	41,859	52,349	26,236	35,001	42,019	52,578
34	26,822	35,751	42,901	53,658	26,937	35,941	43,129	53,934	27,031	36,060	43,289	54,166
35	27,617	36,817	44,183	55,245	27,729	37,000	44,399	55,522	27,826	37,117	44,557	55,753
36	28,410	37,871	45,428	56,833	28,522	38,054	45,699	57,109	28,621	38,164	45,827	57,353
37	29,205	38,900	46,711	58,420	29,314	40,173	46,937	58,694	29,416	39,230	47,097	58,941
38	29,997	39,992	47,981	60,008	30,109	41,232	48,207	60,282	30,211	40,292	48,367	60,528
39	30,792	41,046	49,251	61,595	30,902	42,286	49,477	61,869	30,996	41,351	49,637	62,116
40	31,585	42,101	50,508	63,183	31,694	43,345	50,744	63,454	31,788	42,410	50,904	63,703
41	32,377	43,167	51,765	64,770	32,487	44,404	52,014	65,042	32,583	43,467	52,174	65,291
42	33,172	44,247	53,035	66,358	33,282	45,463	53,284	66,629	33,378	44,501	53,444	66,878
43	33,967	45,263	54,305	67,945	34,074	46,523	54,554	68,214	34,173	45,606	54,714	68,465
44	34,760	46,342	55,575	69,533	34,867	47,574	55,824	69,802	34,968	46,642	55,984	70,053
45	35,555	47,395	56,845	71,120	35,659	48,633	57,092	71,389	35,761	47,701	57,254	71,641
46	36,347	48,451	58,115	72,708	36,454	49,690	58,362	72,974	36,556	48,760	58,524	73,228

47	37,142	49,517	59,385	74,295	37,247	50,749	59,632	74,562	37,351	49,817	59,792	74,816
48	37,935	50,546	60,655	75,883	38,039	51,808	60,902	76,149	38,156	50,876	61,062	76,403
49	38,730	51,605	61,925		38,832	52,852	62,172		38,931	51,935	62,332	
50	39,522	52,662	63,183		39,627	52,862	63,439		39,726	52,992	63,602	
51	40,317	53,721	64,453		40,419	53,922	64,709		40,518	54,051	64,872	
52	41,110	54,780	65,723		41,212	54,981	65,979		41,313	55,115	66,142	
53	41,905	55,837	66,993		42,004	56,037	67,249		42,108	56,172	67,412	
54	42,697	56,896	68,263		42,799	57,097	68,519		42,903	57,231	68,682	
55	43,492	57,955	69,533		43,589	58,053	69,787		43,698	58,290	69,952	
56	44,285	59,012	70,803		44,384	59,212	71,057		44,491	59,347	71,222	
57	45,080	60,071	72,073		45,176	60,269	72,327		45,286	60,409	72,489	
58	45,872	61,130	73,343		45,971	61,328	73,597		46,081	61,468	73,759	
59	46,667	62,187	74,613		46,764	62,514	74,867		46,876	62,525	75,029	
60	47,460	63,246	75,883		47,556	63,442	76,137		47,663	63,584	76,299	
Tolerance	+0,000	+0,000	+0,000	+0,000	+0,000	+0,000	+0,000	+0,000	+0,000	+0,000	+0,000	+0,000
	-0,038	-0,046	-0,054	-0,060	-0,039	-0,046	-0,048	-0,051	-0,028	-0,033	-0,038	-0,053