

TBI MOTION BALL SPLINE

3-1 Nominal Model Code of Ball Spline SL Series

SLF, SLT Spline Shaft Cross-Sectional Shape

Table 3.1.1, 3.1.2 indicates the cross-section of spline shaft. When the shaft end is round pillar type the minor diameter must not be greater than the diameter of groove ridge.

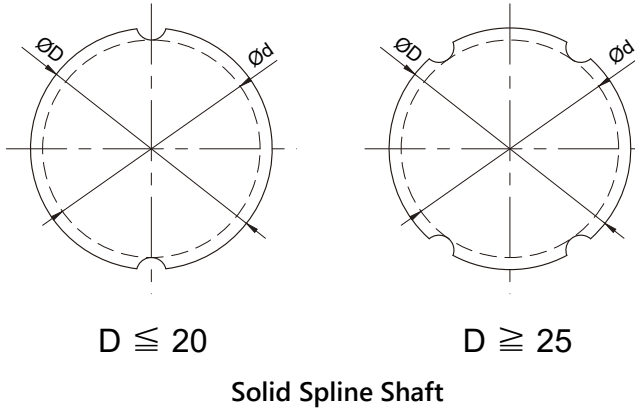


Table 3.1.1 Solid Spline Shaft Cross-Sectional Shape

Unit : mm

Stats \ Nominal Diameter	Nominal Diameter									
	6	8	10	13	16	20	25	30	40	50
Inner Diameter $\text{Ø}d$	5.25	7.27	8.97	11.82	14.72	18.63	23.43	28.53	37.3	47.05
Outer Diameter $\text{Ø}D$ h7	6	8	10	13	16	20	25	30	40	50
Weight (kg/m)	0.22	0.39	0.6	1.03	1.56	2.44	3.8	5.49	9.69	15.19
Ball Ø	1.5	1.5	2.381	2.778	2.778	3.175	3.5	3.5	6.35	7.144
Tolerance μm	0 -15	0 -15	0 -18	0 -18	0 -18	0 -21	0 -21	0 -25	0 -25	0 -30