Our induction hardened steel spline shafts have four gothic arch profiled grooves to accept the balls from the spline nuts SSP, SPF and SPR.

Two types of spline shafts are available:

**Ground Spline Shaft**
Type SP..S when high precision and/or high pre-load is required.
Three levels of pre-load are available: Zero, Light (suffix T1) or Medium (suffix T2).
Tolerance for twist is 13µ per 100mm on standard types.
Tolerance for twist is 6µ per 100mm on precision types (P).
Straightness values are given in the table below.

**Drawn Spline Shaft**
Type SP..C when normal precision level is required.
Available from size 20 to 50 and only without pre-load.
Tolerance for twist is 100µm per 100mm.
Straightness tolerance is 1mm per 1000mm.
The load capacities for drawn spline shafts are only 70% of the values for ground splines shafts.

<table>
<thead>
<tr>
<th>PART</th>
<th>d (h7)</th>
<th>Max length (mm)</th>
<th>Standard Straightness (µm/m)</th>
<th>Precision Straightness (µm/m)</th>
<th>No Preload (µm)</th>
<th>Light Preload T1 (µm)</th>
<th>Medium Preload T2 (µm)</th>
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