

**Annex 2 to the General Terms and Conditions for Success Packs
(Bronze, Bronze+, Silver, Silver+) of GF Machining Solutions**

Spindles under Extended Warranty

(Applicable only to Silver+ Success Pack)

The Extended Warranty for Spindles applies to standard Spindles, as listed below, integrated in GF MS machines of the following type: Mill E (U) series, Mill P (U) series, Mill S (U) series and Mill X (U) series.

If the customer submits an order for the technical customization of standard Spindles to GF Machining Solutions, such order for customization will be charged separately. GF Machining Solutions will validate if such customized Spindle can be integrated into the Silver+ Success Pack.

Spindle Specification								
Platform	Diameter [mm]	Power [kW] S6	Torque [Nm] S6	Max. speed [rpm]	Rotary union	Tool interface	Step-Tec reference	Machine series
HPC	190	36	120	20	yes/no	HSK-A63	6063.020.C.10	MILL E 500/700 U MILL E series MILL P 500/900
HPC	190	36	120	20	no	HSK-A63	6063.008.B.10	MILL P U series
HPC	190	36	120	20	yes	HSK-A63	6063.007.D.10	MILL P U series
HPC	190	36	120	20	yes	HSK-T63	6063.013.C.10	MILL P 800 U ST
HPC	150	30	40.6	24	yes	HSK-A63	6073.003.A.10	MILL P 500
HVC	150	33	21	36	no	HSK-E50	6072.006.A.10	MILL S/X U series MILL P 500/900
HVC	150	33	21	36	yes	HSK-E50	6072.005.A.10	MILL S/X U series MILL P 500/900
HVC	140	13.5	8.8	30/42	no	HSK-E40	6070.003.A.10	MILL S/X U series HSM 500 MILL P 500
HVC	140	13.5	8.8	30/42	yes	HSK-E40	6070.004.B.10	MILL S/X U series MILL P 500
HVC CC	140	13.5	8.8	42	yes	HSK-E40	6070.101.C.10	MILL S/X U series
HVC	120	8.5	3.5	50	no	HSK-E32	6064.003.B.10	MILL S/X U series
HVC	120	8.5	3.5	50	yes	HSK-E32	6064.004.B.10	MILL S/X U series