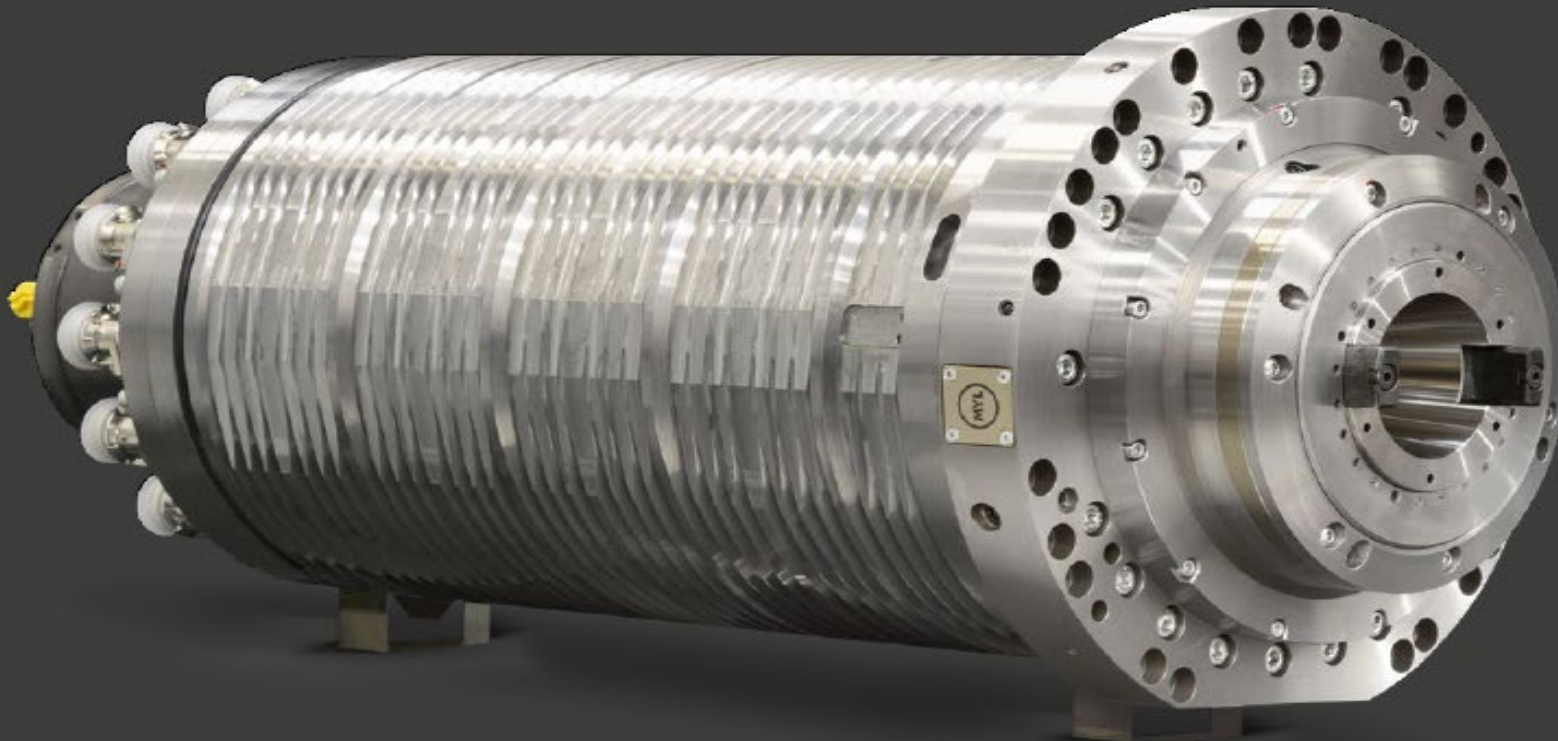




Precision Spindles &
Spindle repair services

myl.es

Milling & Turning Spindles Model Range





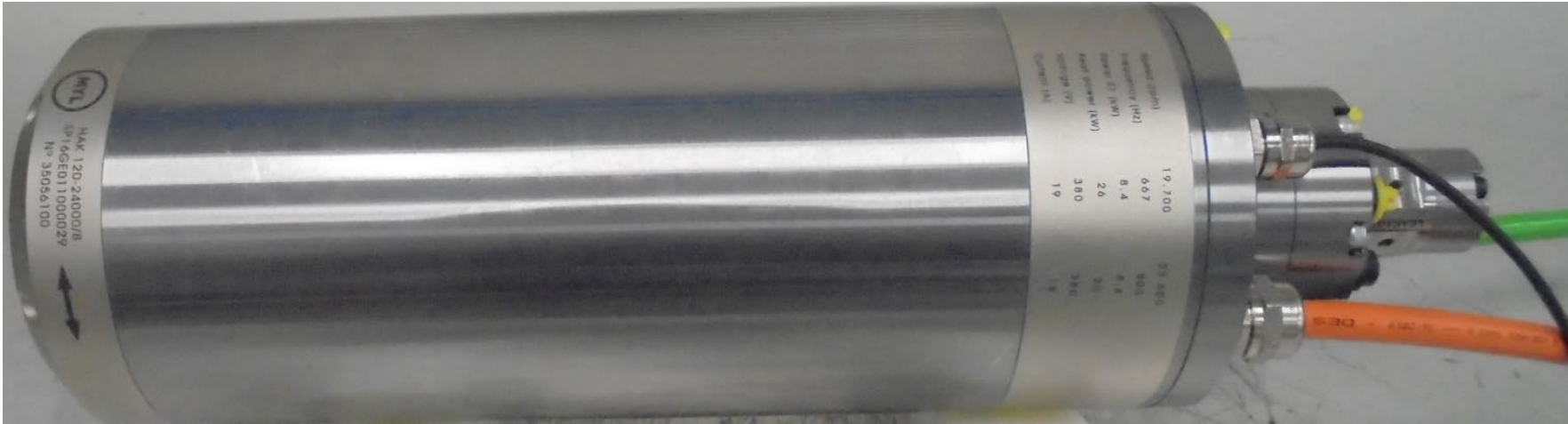
Milling. Ø120-Ø180

MODEL NAME	SGM 120-24000/8 HSK-A40	SGM 120-22000/14 HSK-A40	SGM 140-20000/40 HSK-A63	SGM 170-20000/30 HSK-A63	SGM 170-30000/30 HSK-A63	SGM 180-24000/42 HSK-A63	SGM 180-18000/42 HSK-A63
MYL CODE	SP16GE011000029	SP16GE011000079	SP16GE011000075	SP16GE011000020	SP16GE011000019	SP16GE011000076	SP16GE011000087
DIAMETER [mm]	120	120	140	170	170	180	180
MOTOR TYPE	ASYNCHRONOUS	SYNCHRONOUS	SYNCHRONOUS	ASYNCHRONOUS	ASYNCHRONOUS	SYNCHRONOUS	SYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	12.6@19600	11@12200	37.5@10200	16.1@17800	16.1@17800	66.8@6000	66.8@6000
POWER [kW] @ SPEED [rpm]	26@19600	14@12200	40@10200	30@17800	30@17800	42@6000	42@6000
MAX SPEED [rpm]	24000	22000	20000	20000	30000	24000	18000
TAPER TYPE	HSK A-40 DIN 69893	HSK A-40 DIN 69893	HSK A-63 DIN 69893	HSK A-63 DIN 69893	HSK A-63 DIN 69893	HSK A-63 DIN 69893	HSK A-63 DIN 69893
LUBRICATION	GREASE	GREASE	GREASE	AIR-OIL	GREASE	AIR-OIL	GREASE



SGM 120-24000/8 HSK-A40

MYL CODE	SP16GE011000029
DIAMETER [mm]	120
MOTOR TYPE	ASYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	12.6@19600
POWER [kW] @ SPEED [rpm]	26@19600
MAX SPEED [rpm]	24000
TAPER TYPE	HSK A-40 DIN 69893



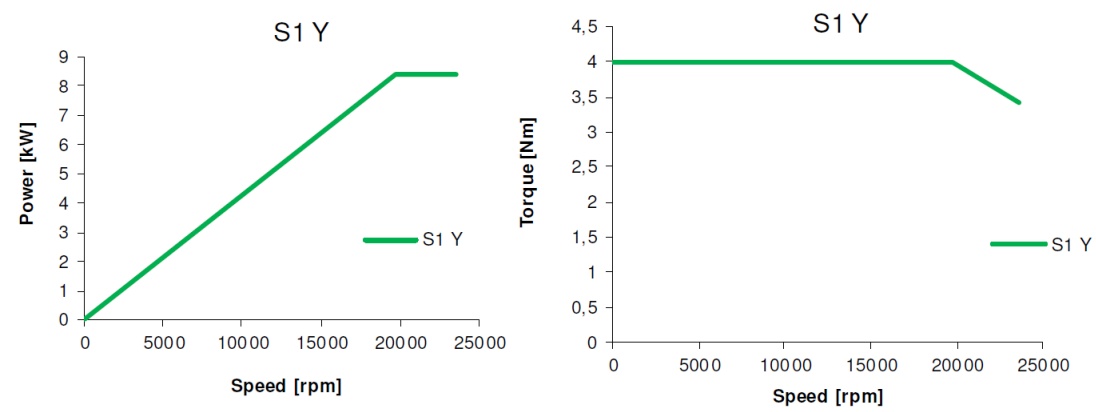


SGM 120-24000/8 HSK-A40

MYL CODE	SP16GE011000029
DIAMETER [mm]	120
MOTOR TYPE	ASYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	12.6@19600
POWER [kW] @ SPEED [rpm]	26@19600
MAX SPEED [rpm]	24000
TAPER TYPE	HSK A-40 DIN 69893
LUBRICATION	GREASE

INTERNAL COOLING	YES
EXTERNAL COOLING	YES
MQL	YES
TAPER CLEANING	YES
COMPRESSED AIR	YES
DRY RUN	YES
ROTARY UNION	OTT 1K-GDP

SHAFT LOCK	NO
PT100	YES (3 wires)
ACCELEROMETER	NO (OPTIONAL)
SHAFT GROWTH SENSOR	NO
VARIABLE BEARING PRELOAD	NO





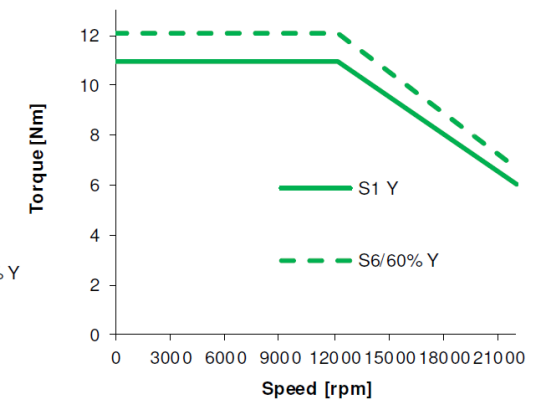
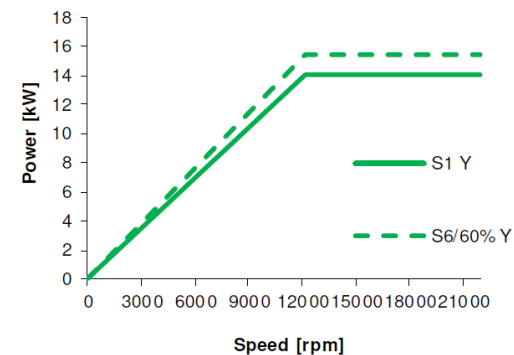
SGM 120-22000/14 HSK-A40

MYL CODE	SP16GE011000079
DIAMETER [mm]	120
MOTOR TYPE	SYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	11@12200
POWER [kW] @ SPEED [rpm]	14@12200
MAX SPEED [rpm]	22000
TAPER TYPE	HSK A-40 DIN 69893
LUBRICATION	GREASE

INTERNAL COOLING	YES
EXTERNAL COOLING	YES
MQL	YES
TAPER CLEANING	YES
COMPRESSED AIR	YES
DRY RUN	YES
ROTARY UNION	OTT 1K-GDP

SHAFT LOCK	NO
PT100	YES (3 wires)
ACCELEROMETER	NO (OPTIONAL)
SHAFT GROWTH SENSOR	NO
VARIABLE BEARING PRELOAD	NO

CHOKE	YES (0.4mH)
DC-LINK FILTER	NO





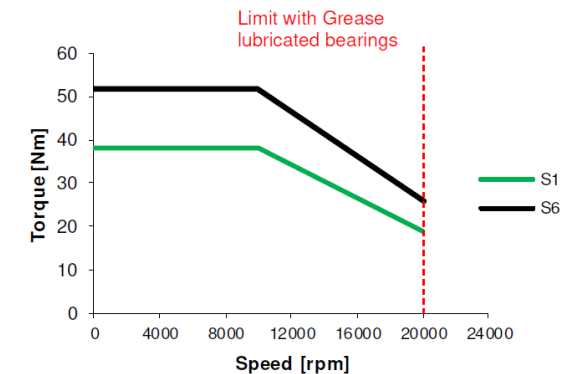
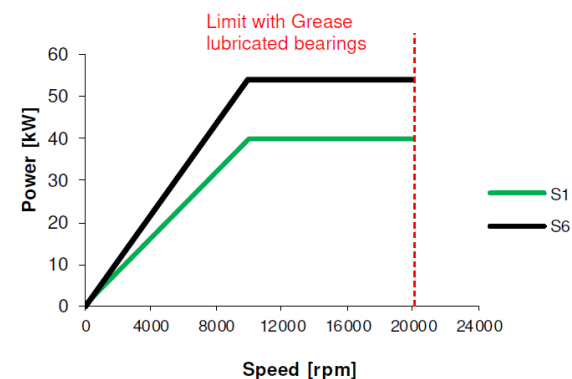
SGM 140-20000/40 HSK-A63

MYL CODE	SP16GE011000075
DIAMETER [mm]	140
MOTOR TYPE	SYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	37.5@10200
POWER [kW] @ SPEED [rpm]	40@10200
MAX SPEED [rpm]	20000
TAPER TYPE	HSK A-63 DIN 69893
LUBRICATION	GREASE

INTERNAL COOLING	YES
EXTERNAL COOLING	YES
MTL	YES
TAPER CLEANING	YES
COMPRESSED AIR	YES
DRY RUN	YES
ROTARY UNION	OTT 1K-GDP-LC

SHAFT LOCK	NO
PT100	YES (3 wires)
ACCELEROMETER	NO (OPTIONAL)
SHAFT GROWTH SENSOR	NO
VARIABLE BEARING PRELOAD	NO

CHOKE	YES (0.35mH)
DC-LINK FILTER	NO



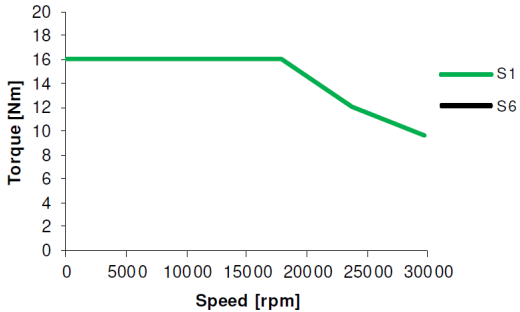
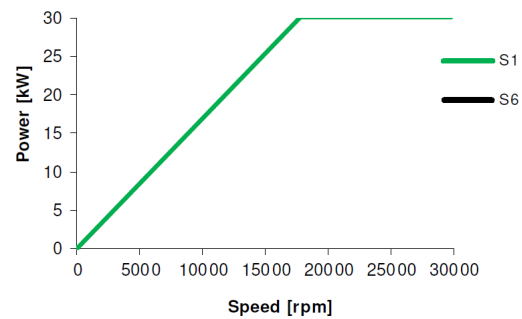


SGM 170-20000/30 HSK-A63

MYL CODE	SP16GE011000020
DIAMETER [mm]	170
MOTOR TYPE	ASYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	16.1@17800
POWER [kW] @ SPEED [rpm]	30@17800
MAX SPEED [rpm]	20000
TAPER TYPE	HSK A-63 DIN 69893
LUBRICATION	GREASE

INTERNAL COOLING	YES
EXTERNAL COOLING	YES
MQL	YES
TAPER CLEANING	YES
COMPRESSED AIR	YES
DRY RUN	YES
ROTARY UNION	OTT 1K-GDP

SHAFT LOCK	NO
PT100	YES (3 wires)
ACCELEROMETER	NO (OPTIONAL)
SHAFT GROWTH SENSOR	NO
VARIABLE BEARING PRELOAD	NO



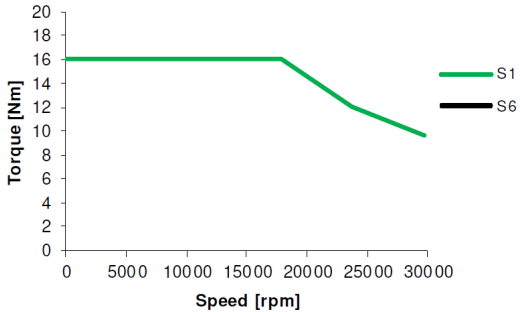
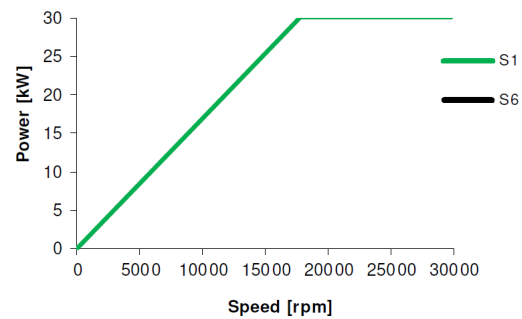


SGM 170-30000/30 HSK-A63

MYL CODE	SP16GE011000019
DIAMETER [mm]	170
MOTOR TYPE	ASYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	16.1@17800
POWER [kW] @ SPEED [rpm]	30@17800
MAX SPEED [rpm]	30000
TAPER TYPE	HSK A-63 DIN 69893
LUBRICATION	AIR-OIL

INTERNAL COOLING	YES
EXTERNAL COOLING	YES
MTL	YES
TAPER CLEANING	YES
COMPRESSED AIR	YES
DRY RUN	YES
ROTARY UNION	OTT 1K-GDP

SHAFT LOCK	NO
PT100	YES (3 wires)
ACCELEROMETER	NO (OPTIONAL)
SHAFT GROWTH SENSOR	NO
VARIABLE BEARING PRELOAD	NO





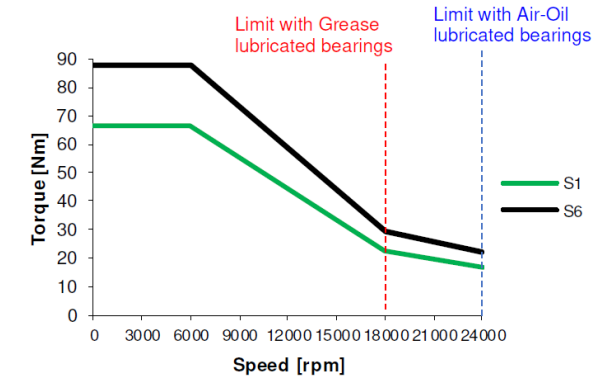
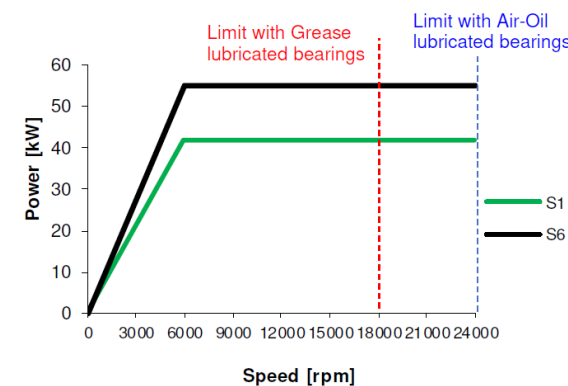
SGM 180-24000/42 HSK-A63

MYL CODE	SP16GE011000076
DIAMETER [mm]	180
MOTOR TYPE	SYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	66.8@6000
POWER [kW] @ SPEED [rpm]	42@6000
MAX SPEED [rpm]	24000
TAPER TYPE	HSK A-63 DIN 69893
LUBRICATION	AIR-OIL

INTERNAL COOLING	YES
EXTERNAL COOLING	YES
MQL	YES (OPTIONAL)
TAPER CLEANING	YES
COMPRESSED AIR	NO
DRY RUN	YES
ROTARY UNION	DEUBLIN 1129-763-764

SHAFT LOCK	NO
PT100	YES (3 wires)
ACCELEROMETER	NO (OPTIONAL)
SHAFT GROWTH SENSOR	NO (OPTIONAL)
VARIABLE BEARING PRELOAD	NO

CHOKE	YES (0.4mH)
DC-LINK FILTER	NO





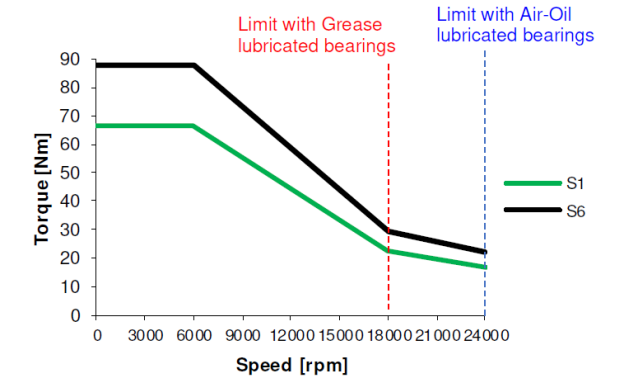
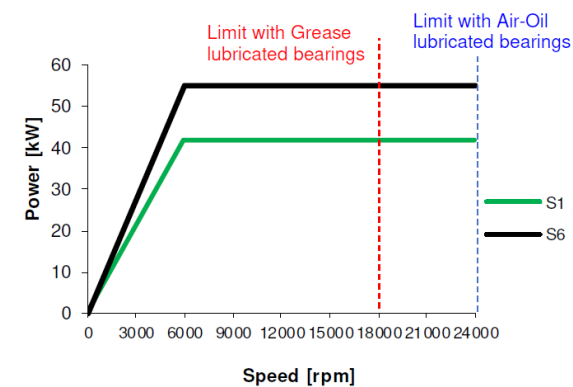
SGM 180-18000/42 HSK-A63

MYL CODE	SP16GE011000087
DIAMETER [mm]	180
MOTOR TYPE	SYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	66.8@6000
POWER [kW] @ SPEED [rpm]	42@6000
MAX SPEED [rpm]	18000
TAPER TYPE	HSK A-63 DIN 69893
LUBRICATION	GREASE

INTERNAL COOLING	YES
EXTERNAL COOLING	YES
MQL	YES (OPTIONAL)
TAPER CLEANING	YES
COMPRESSED AIR	NO
DRY RUN	YES
ROTARY UNION	DEUBLIN 1129-763-764

SHAFT LOCK	NO
PT100	YES (3 wires)
ACCELEROMETER	NO (OPTIONAL)
SHAFT GROWTH SENSOR	NO (OPTIONAL)
VARIABLE BEARING PRELOAD	NO

CHOKE	YES (0.4mH)
DC-LINK FILTER	NO





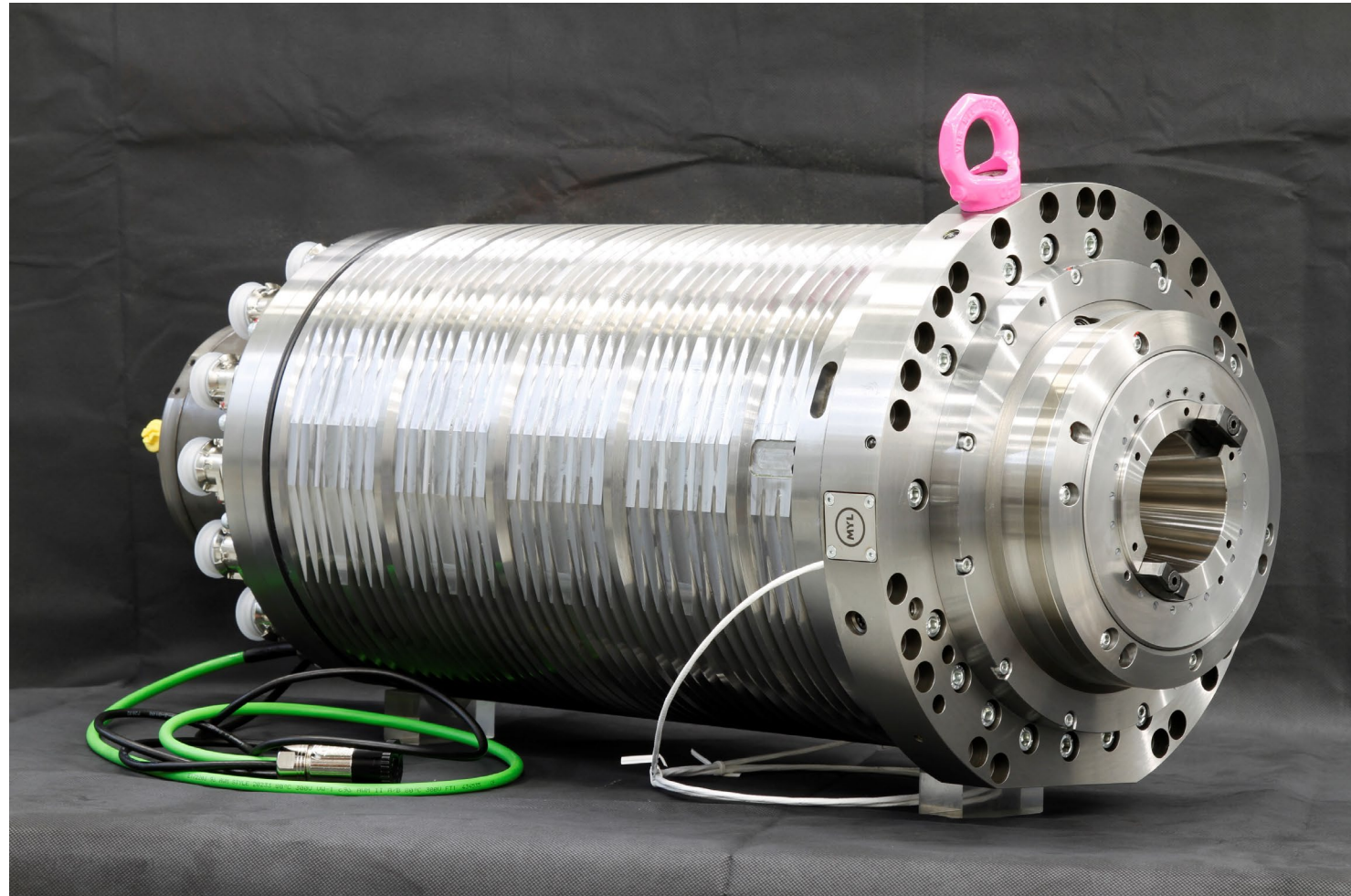
Milling. Ø270-Ø325

MODEL NAME	SGM 270-12000/74 SK50	SGM 270-12000/74 HSK-A100	SGM 270-12000/74C HSK-A100	SGM 270-12000/74C C8	SGM 325-8000/59C HSK-A100	SGM 270-7000/80 SK50 BP	SGM 270-7000/80 HSK-A100	SGM 270-7000/80C HSK-A100	SGM 270-7000/80C C8
MYL CODE	SP16GE011000063	SP16GE011000052	SP16GE011000051	SP16GE011000064	SP16GE011000047	SP16GE011000066	SP16GE011000067	SP16GE011000050	SP16GE011000068
DIAMETER [mm]	270	270	270	270	325	270	270	270	270
MOTOR TYPE	ASYNCHRONOUS	ASYNCHRONOUS	ASYNCHRONOUS	ASYNCHRONOUS	ASYNCHRONOUS	SYNCHRONOUS	SYNCHRONOUS	SYNCHRONOUS	SYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	Y 310@1480 / Δ 165@4280	Y 310@1480 / Δ 165@4280	Y 310@1480 / Δ 165@4280	Y 310@1480 / Δ 165@4280	Y 805@700 / Δ 381@1480	603@894	603@894	603@894	603@894
POWER [kW] @ SPEED [rpm]	Y 48@1480 / Δ 74@4280	Y 48@1480 / Δ 74@4280	Y 48@1480 / Δ 74@4280	Y 48@1480 / Δ 74@4280	Y 59@700 / Δ 59@1480	56.5@894	56.5@894	56.5@894	56.5@894
MAX SPEED [rpm]	12000	12000	12000	12000	8000	7000	7000	7000	7000
TAPER TYPE	SK50 DIN 69871 form AD	HSK A-100 DIN 69893	HSK A-100 DIN 69893	CAPTO C8 ISO26623-1	HSK A-100 DIN 69893	SK50 DIN 69871 form AD	HSK A-100 DIN 69893	HSK A-100 DIN 69893	CAPTO C8 ISO26623-1
	MAS 403 BT50 + CAT50 DIN					MAS 403 BT50 + CAT50 DIN			
SHAFT LOCK	NO	NO	YES	YES	YES	NO	NO	YES	YES



SGM 270-12000/74 SK50

MYL CODE	SP16GE011000063
DIAMETER [mm]	270
MOTOR TYPE	ASYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	Y 310@1480 / Δ 165@4280
POWER [kW] @ SPEED [rpm]	Y 48@1480 / Δ 74@4280
MAX SPEED [rpm]	12000
TAPER TYPE	SK50 DIN 69871 form AD
	MAS 403 BT50 + CAT50 DIN
PULL STUD	DIN 69872
	JIS B6339



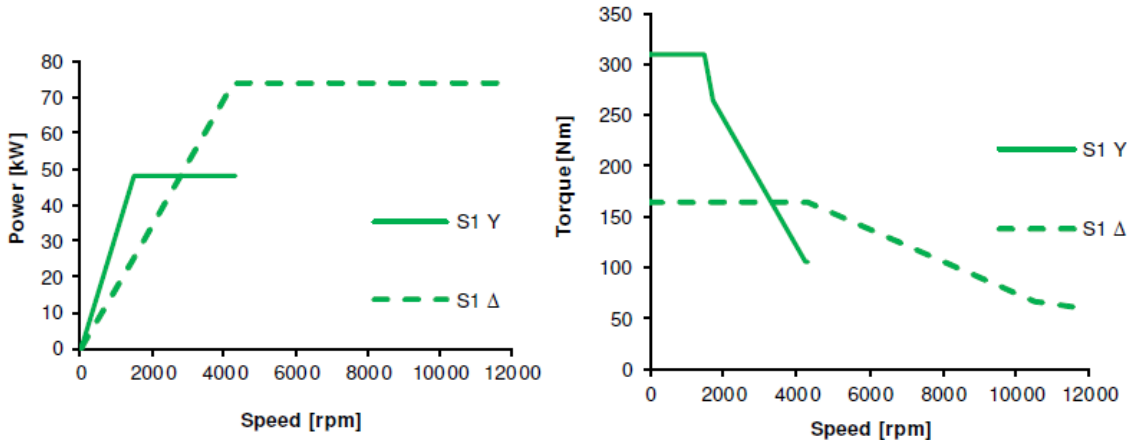


SGM 270-12000/74 SK50

MYL CODE	SP16GE011000063
DIAMETER [mm]	270
MOTOR TYPE	ASYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	Y 310@1480 / Δ 165@4280
POWER [kW] @ SPEED [rpm]	Y 48@1480 / Δ 74@4280
MAX SPEED [rpm]	12000
TAPER TYPE	SK50 DIN 69871 form AD
	MAS 403 BT50 + CAT50 DIN
PULL STUD	DIN 69872
	JIS B6339
LUBRICATION	AIR-OIL

INTERNAL COOLING	YES
EXTERNAL COOLING	YES
MQL	YES
TAPER CLEANING	YES
COMPRESSED AIR	YES
DRY RUN	YES
ROTARY UNION	OTT 1K-GDV-3L

SHAFT LOCK	NO
PT100	YES (4 wires)
ACCELEROMETER	NO (OPTIONAL)
SHAFT GROWTH SENSOR	NO (OPTIONAL)
VARIABLE BEARING PRELOAD	NO (OPTIONAL)

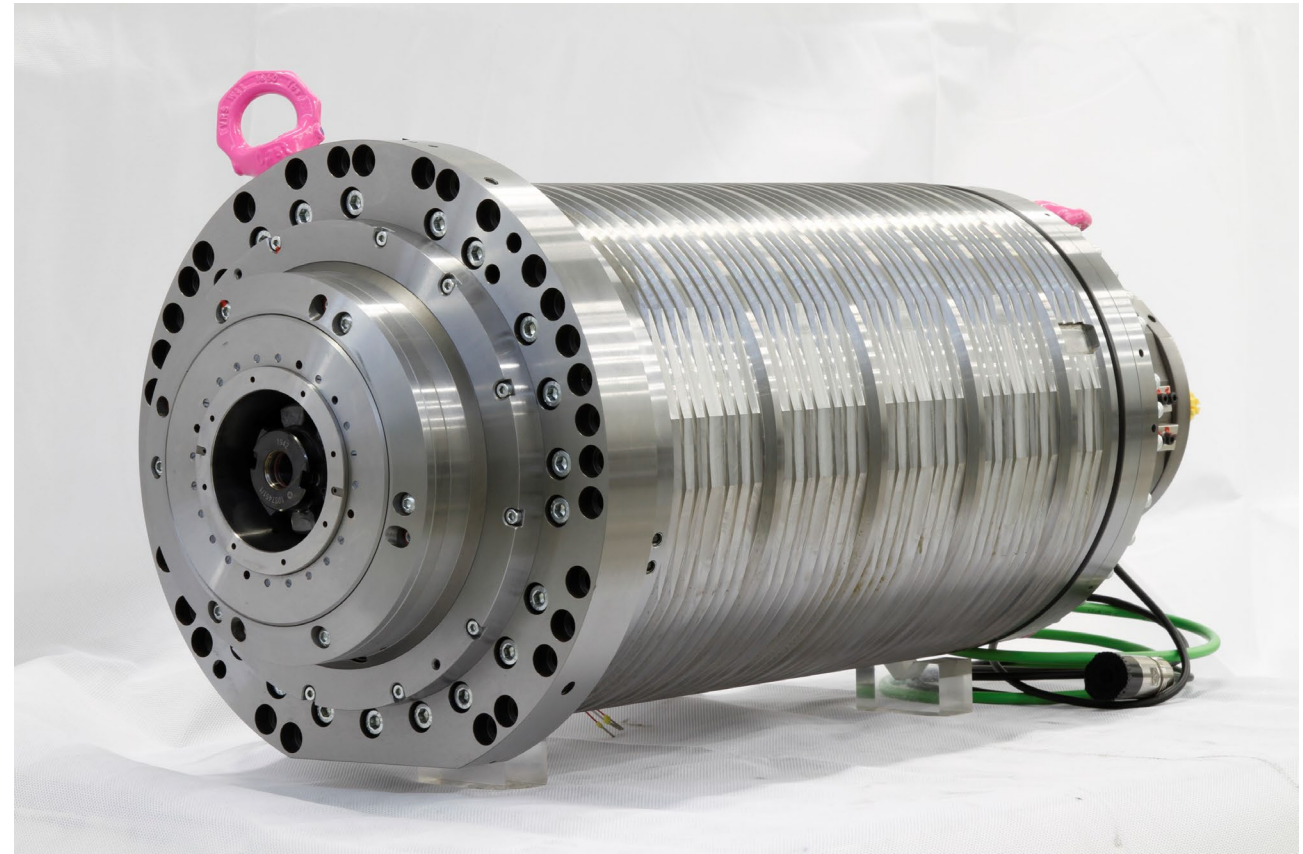




SGM 270-12000/74 HSK-A100

SGM 270-12000/74C HSK-A100

MYL CODE	SP16GE011000051	SP16GE011000052
DIAMETER [mm]	270	
MOTOR TYPE	ASYNCHRONOUS	
TORQUE [Nm] @ SPEED [rpm]	Y 310@1480 / Δ 165@4280	
POWER [kW] @ SPEED [rpm]	Y 48@1480 / Δ 74@4280	
MAX SPEED [rpm]	12000	
TAPER TYPE	HSK A-100 DIN 69893	
SHAFT LOCK	YES	NO





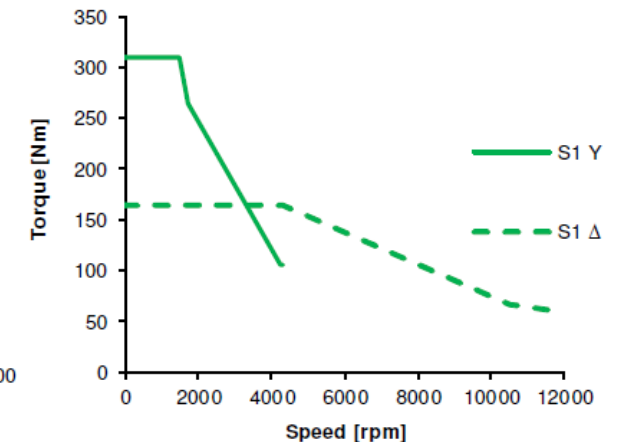
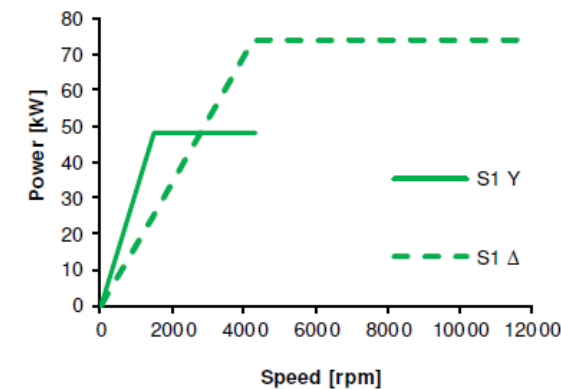
SGM 270-12000/74 HSK-A100

SGM 270-12000/74C HSK-A100

MYL CODE	SP16GE011000051	SP16GE011000052
DIAMETER [mm]	270	
MOTOR TYPE	ASYNCHRONOUS	
TORQUE [Nm] @ SPEED [rpm]	Y 310@1480 / Δ 165@4280	
POWER [kW] @ SPEED [rpm]	Y 48@1480 / Δ 74@4280	
MAX SPEED [rpm]	12000	
TAPER TYPE	HSK A-100 DIN 69893	
SHAFT LOCK	YES	NO
LUBRICATION	AIR-OIL	

INTERNAL COOLING	YES
EXTERNAL COOLING	YES
MQL	YES
TAPER CLEANING	YES
COMPRESSED AIR	YES
DRY RUN	YES
ROTARY UNION	OTT 1K-GDV-3L

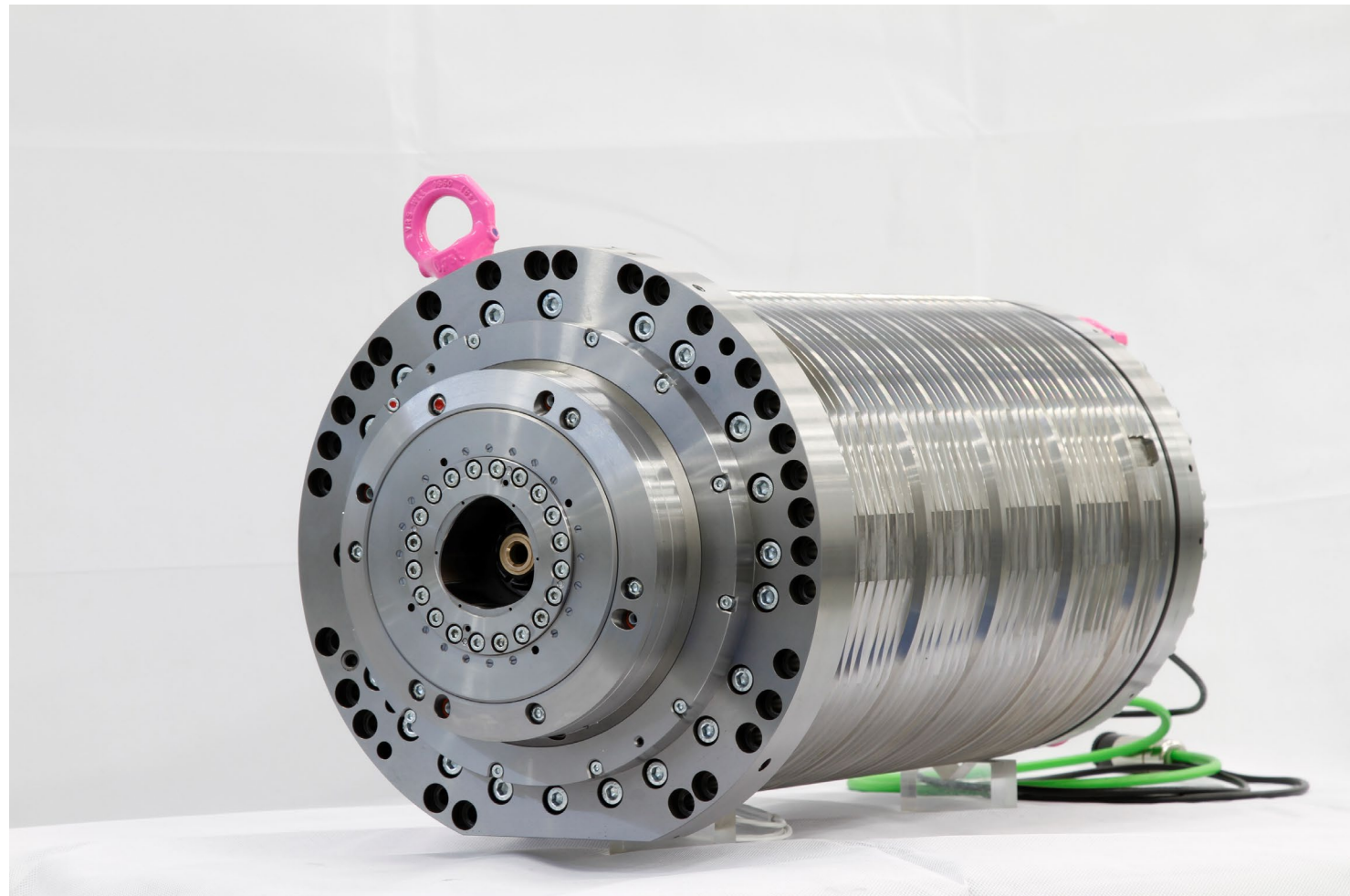
PT100	YES (4 wires)
ACCELEROMETER	NO (OPTIONAL)
SHAFT GROWTH SENSOR	NO (OPTIONAL)
VARIABLE BEARING PRELOAD	NO (OPTIONAL)





SGM 270-12000/74C C8

MYL CODE	SP16GE011000064
DIAMETER [mm]	270
MOTOR TYPE	ASYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	Y 310@1480 / Δ 165@4280
POWER [kW] @ SPEED [rpm]	Y 48@1480 / Δ 74@4280
MAX SPEED [rpm]	12000
TAPER TYPE	CAPTO C8 ISO26623-1



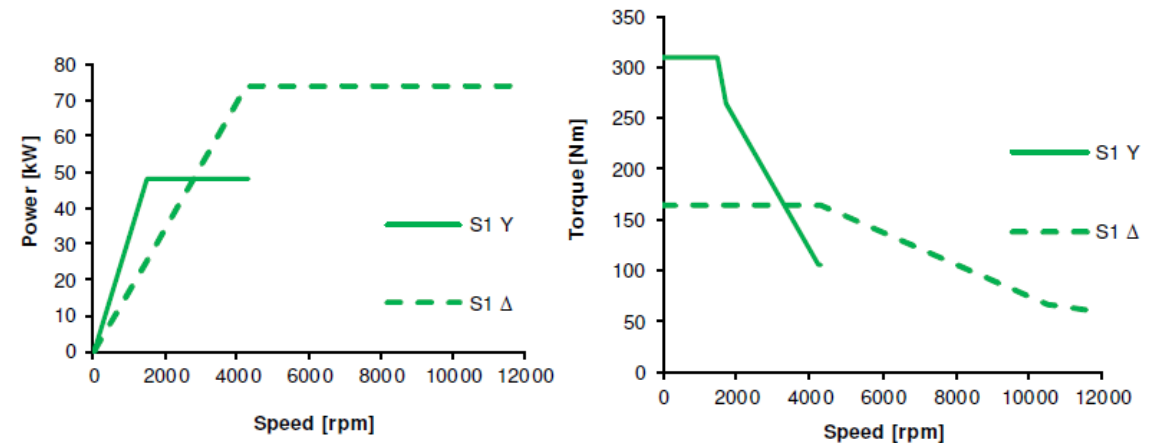


SGM 270-12000/74C C8

MYL CODE	SP16GE011000064
DIAMETER [mm]	270
MOTOR TYPE	ASYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	Y 310@1480 / Δ 165@4280
POWER [kW] @ SPEED [rpm]	Y 48@1480 / Δ 74@4280
MAX SPEED [rpm]	12000
TAPER TYPE	CAPTO C8 ISO26623-1
LUBRICATION	AIR-OIL

INTERNAL COOLING	YES
EXTERNAL COOLING	YES
MQL	YES
TAPER CLEANING	YES
COMPRESSED AIR	YES
DRY RUN	YES
ROTARY UNION	OTT 1K-GDV-3L

SHAFT LOCK	YES
PT100	YES (4 wires)
ACCELEROMETER	NO (OPTIONAL)
SHAFT GROWTH SENSOR	NO (OPTIONAL)
VARIABLE BEARING PRELOAD	NO (OPTIONAL)





SGM 325-8000/59C HSK-A100

MYL CODE	SP16GE011000047
DIAMETER [mm]	325
MOTOR TYPE	ASYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	Y 805@700 / Δ 381@1480
POWER [kW] @ SPEED [rpm]	Y 59@700 / Δ 59@1480
MAX SPEED [rpm]	8000
TAPER TYPE	HSK A-100 DIN 69893



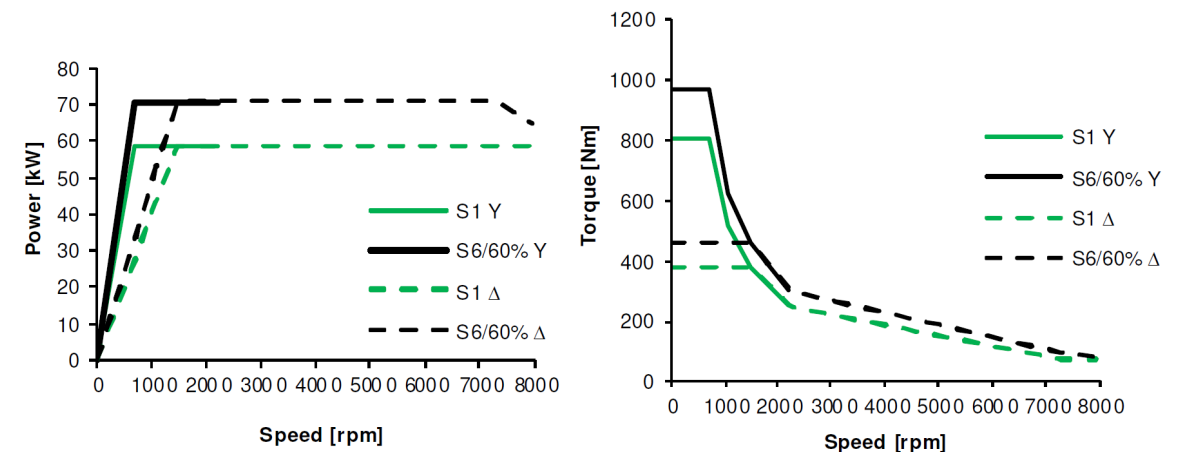


SGM 325-8000/59C HSK-A100

MYL CODE	SP16GE011000047
DIAMETER [mm]	325
MOTOR TYPE	ASYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	Y 805@700 / Δ 381@1480
POWER [kW] @ SPEED [rpm]	Y 59@700 / Δ 59@1480
MAX SPEED [rpm]	8000
TAPER TYPE	HSK A-100 DIN 69893
LUBRICATION	AIR-OIL

INTERNAL COOLING	YES
EXTERNAL COOLING	YES
MQL	YES
TAPER CLEANING	YES
COMPRESSED AIR	YES
DRY RUN	YES
ROTARY UNION	DEUBLIN 1124-800-780

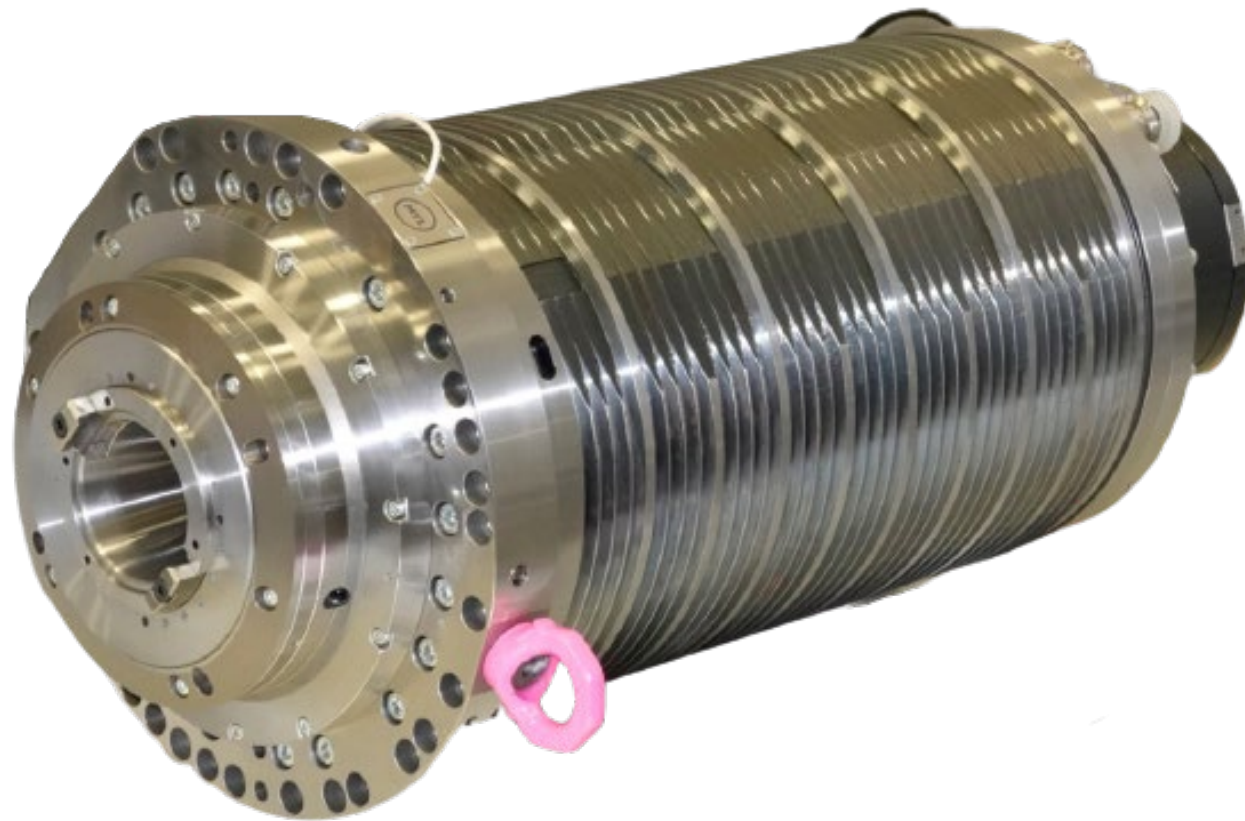
SHAFT LOCK	YES. HIRTH 1º
PT100	YES (4 wires)
ACCELEROMETER	YES
SHAFT GROWTH SENSOR	NO
VARIABLE BEARING PRELOAD	YES





SGM 270-7000/80 SK50 BP

MYL CODE	SP16GE011000066
DIAMETER [mm]	270
MOTOR TYPE	SYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	603@894
POWER [kW] @ SPEED [rpm]	56.5@894
MAX SPEED [rpm]	7000
TAPER TYPE	SK50 DIN 69871 form AD
	MAS 403 BT50 + CAT50 DIN
PULL STUD	DIN 69872
	JIS B6339





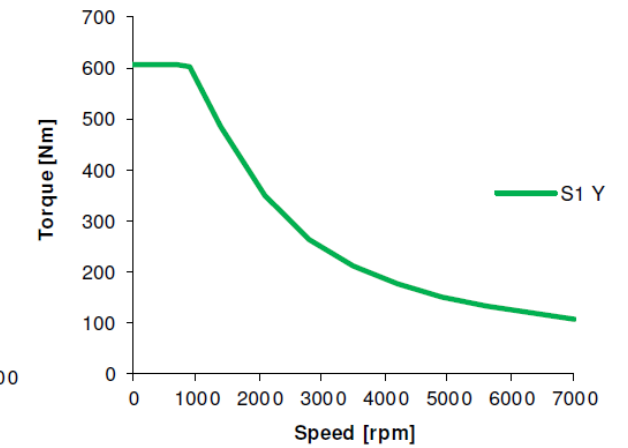
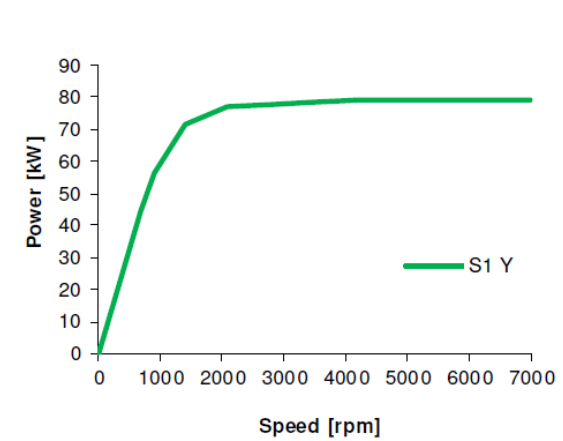
SGM 270-7000/80 SK50 BP

MYL CODE	SP16GE011000066
DIAMETER [mm]	270
MOTOR TYPE	SYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	603@894
POWER [kW] @ SPEED [rpm]	56.5@894
MAX SPEED [rpm]	7000
TAPER TYPE	SK50 DIN 69871 form AD
	MAS 403 BT50 + CAT50 DIN
PULL STUD	DIN 69872
	JIS B6339
LUBRICATION	GREASE

INTERNAL COOLING	YES
EXTERNAL COOLING	YES
MQL	YES
TAPER CLEANING	YES
COMPRESSED AIR	YES
DRY RUN	YES
ROTARY UNION	OTT 1K-GDV-3L

SHAFT LOCK	NO
PT100	YES (4 wires)
ACCELEROMETER	NO (OPTIONAL)
SHAFT GROWTH SENSOR	NO (OPTIONAL)
VARIABLE BEARING PRELOAD	NO (OPTIONAL)

CHOKE	YES (0.5mH)
DC-LINK FILTER	DEPENDS ON DRIVE CONFIG.

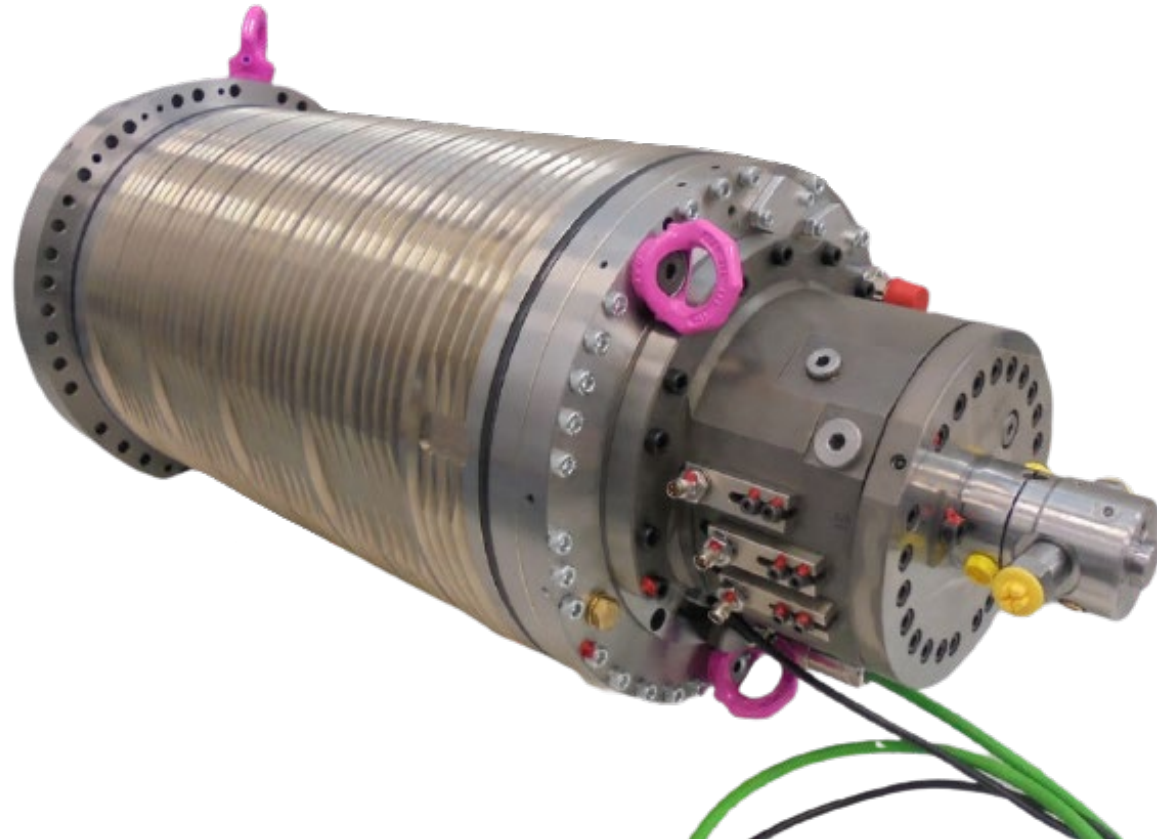




SGM 270-7000/80 HSK-A100

SGM 270-7000/80C HSK-A100

MYL CODE	SP16GE011000050	SP16GE011000067
DIAMETER [mm]	270	
MOTOR TYPE	SYNCHRONOUS	
TORQUE [Nm] @ SPEED [rpm]	603@894	
POWER [kW] @ SPEED [rpm]	56.5@894	
MAX SPEED [rpm]	7000	
TAPER TYPE	HSK A-100 DIN 69893	
SHAFT LOCK	YES	NO





SGM 270-7000/80 HSK-A100

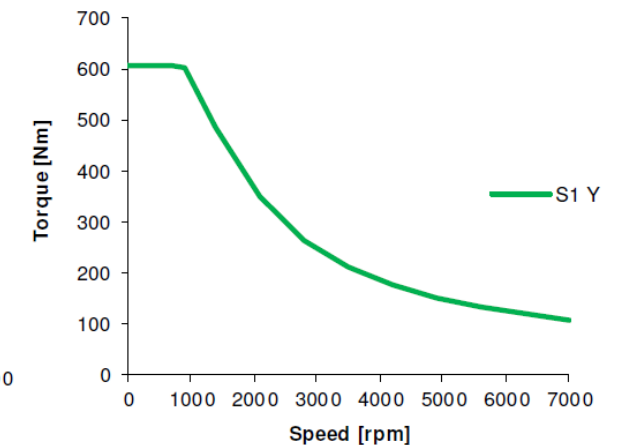
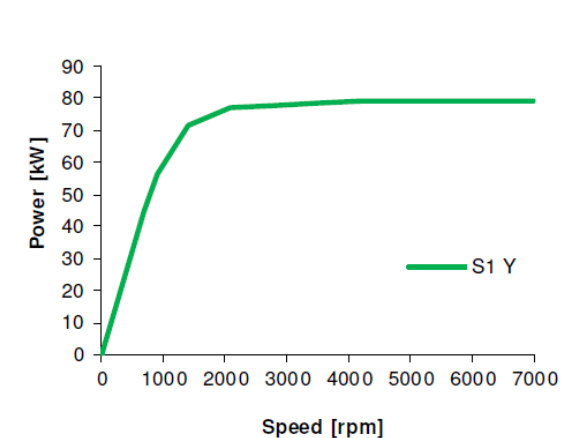
SGM 270-7000/80C HSK-A100

MYL CODE	SP16GE011000050	SP16GE011000067
DIAMETER [mm]	270	
MOTOR TYPE	SYNCHRONOUS	
TORQUE [Nm] @ SPEED [rpm]	603@894	
POWER [kW] @ SPEED [rpm]	56.5@894	
MAX SPEED [rpm]	7000	
TAPER TYPE	HSK A-100 DIN 69893	
SHAFT LOCK	YES	NO
LUBRICATION	GREASE	

INTERNAL COOLING	YES
EXTERNAL COOLING	YES
MQL	YES
TAPER CLEANING	YES
COMPRESSED AIR	YES
DRY RUN	YES
ROTARY UNION	OTT 1K-GDV-3L

PT100	YES (4 wires)
ACCELEROMETER	NO (OPTIONAL)
SHAFT GROWTH SENSOR	NO (OPTIONAL)
VARIABLE BEARING PRELOAD	NO (OPTIONAL)

CHOKE	YES (0.5mH)
DC-LINK FILTER	DEPENDS ON DRIVE CONFIG.





SGM 270-7000/80C C8

MYL CODE	SP16GE011000068
DIAMETER [mm]	270
MOTOR TYPE	SYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	603@894
POWER [kW] @ SPEED [rpm]	56.5@894
MAX SPEED [rpm]	7000
TAPER TYPE	CAPTO C8 ISO26623-1





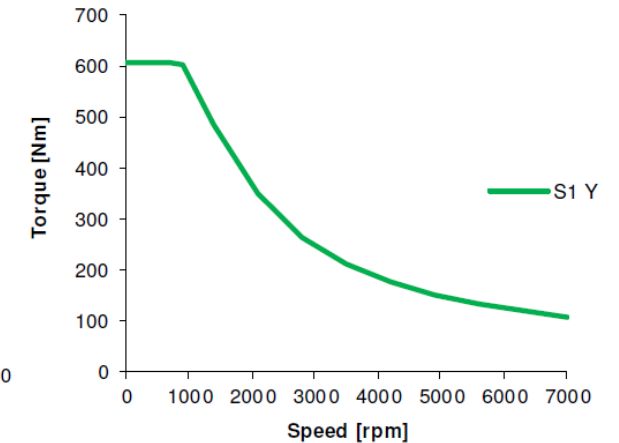
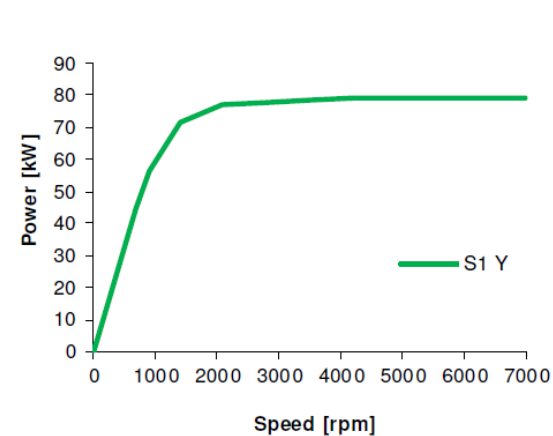
SGM 270-7000/80C C8

MYL CODE	SP16GE011000068
DIAMETER [mm]	270
MOTOR TYPE	SYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	603@894
POWER [kW] @ SPEED [rpm]	56.5@894
MAX SPEED [rpm]	7000
TAPER TYPE	CAPTO C8 ISO26623-1
LUBRICATION	GREASE

INTERNAL COOLING	YES
EXTERNAL COOLING	YES
MQL	YES
TAPER CLEANING	YES
COMPRESSED AIR	YES
DRY RUN	YES
ROTARY UNION	OTT 1K-GDV-3L

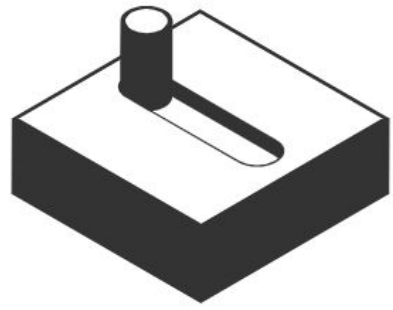
SHAFT LOCK	YES
PT100	YES (4 wires)
ACCELEROMETER	NO (OPTIONAL)
SHAFT GROWTH SENSOR	NO (OPTIONAL)
VARIABLE BEARING PRELOAD	NO (OPTIONAL)

CHOKE	YES (0.5mH)
DC-LINK FILTER	DEPENDS ON DRIVE CONFIG.





Milling application examples



FACE MILLING



DRILLING



TAPPING

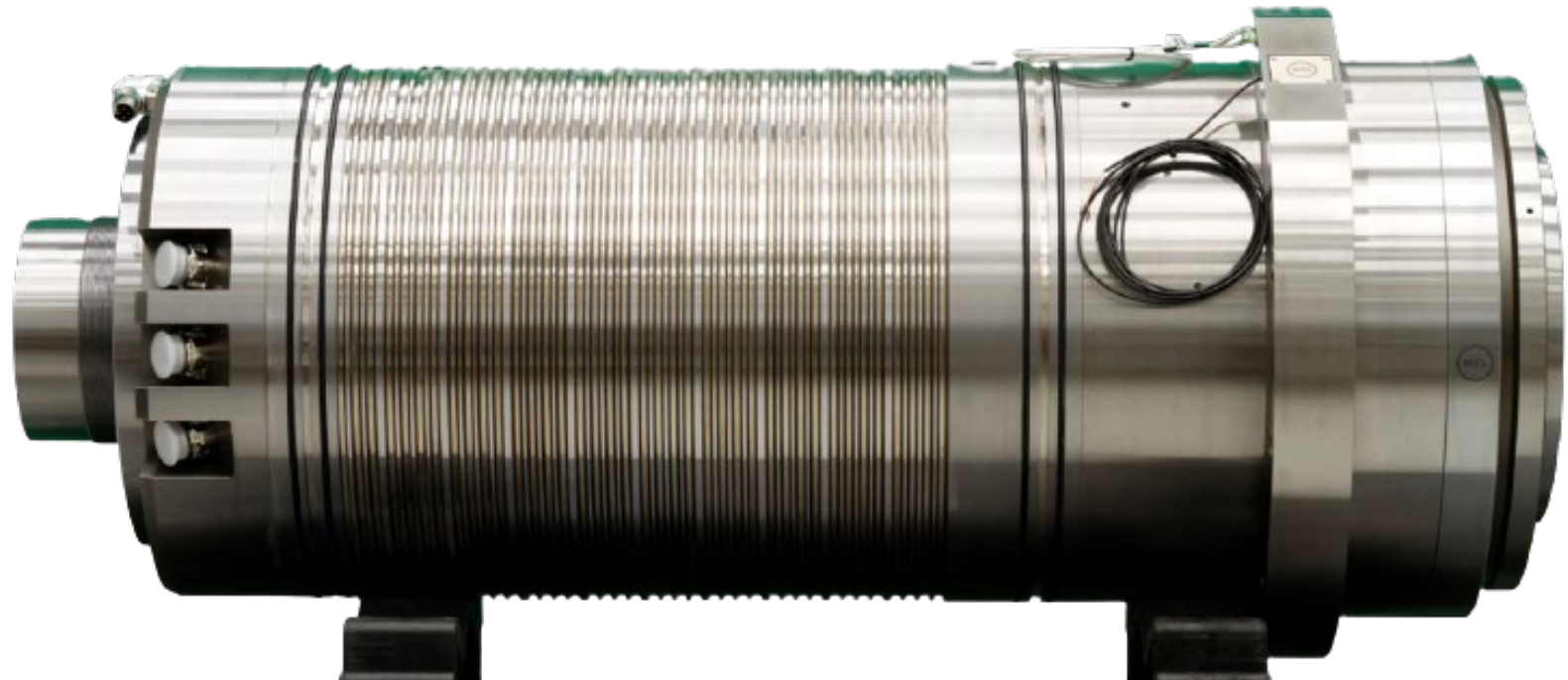


SLENDER TAPPING



Turning. SGT 400-1800/103C A15

MODEL NAME	SGT 400-1800/103C A15
MYL CODE	SP19GE011000008
DIAMETER [mm]	400
MOTOR TYPE	SYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	1619@609 (1400@530)
POWER [kW] @ SPEED [rpm]	103@609 (78@530)
MAX SPEED [rpm]	1800
TAPER TYPE	ASA A15 DIN 55026-A15
SHAFT LOCK	YES

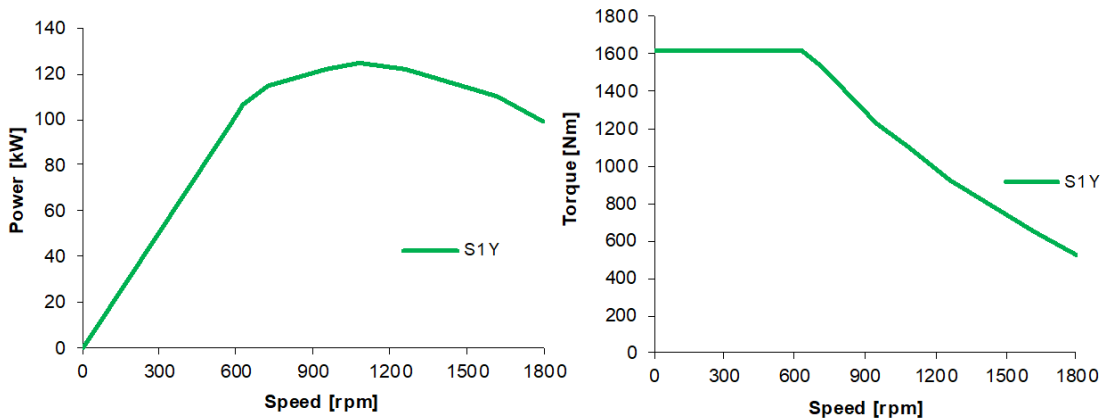




SGT 400-1800/103C A15

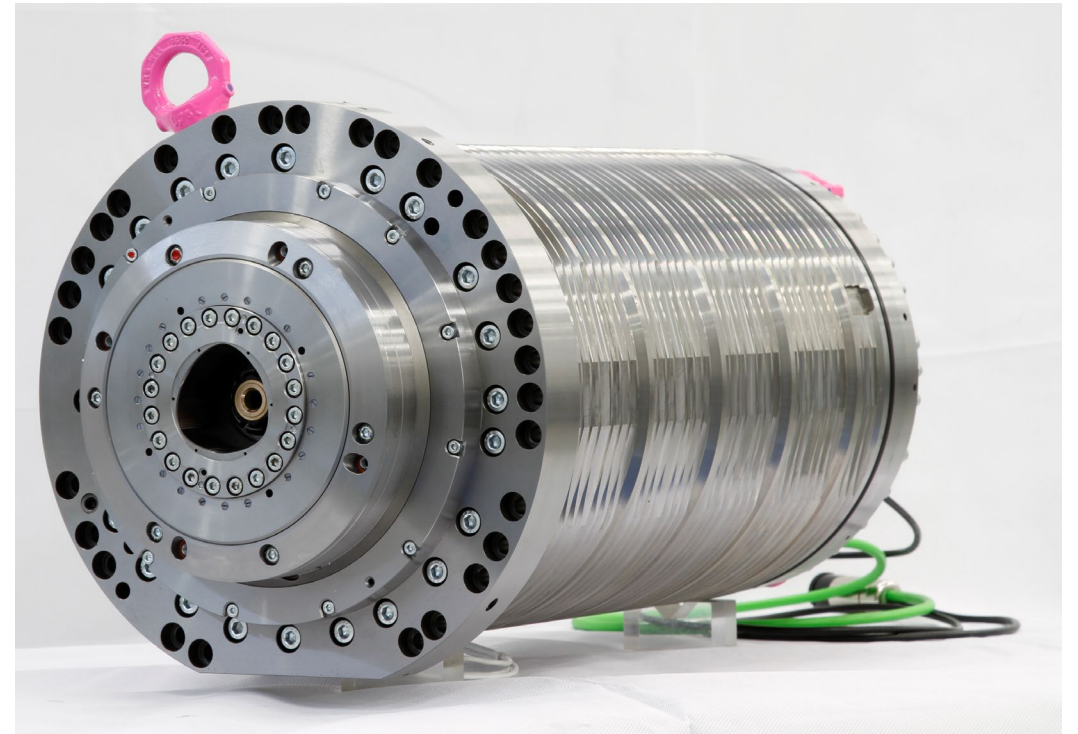
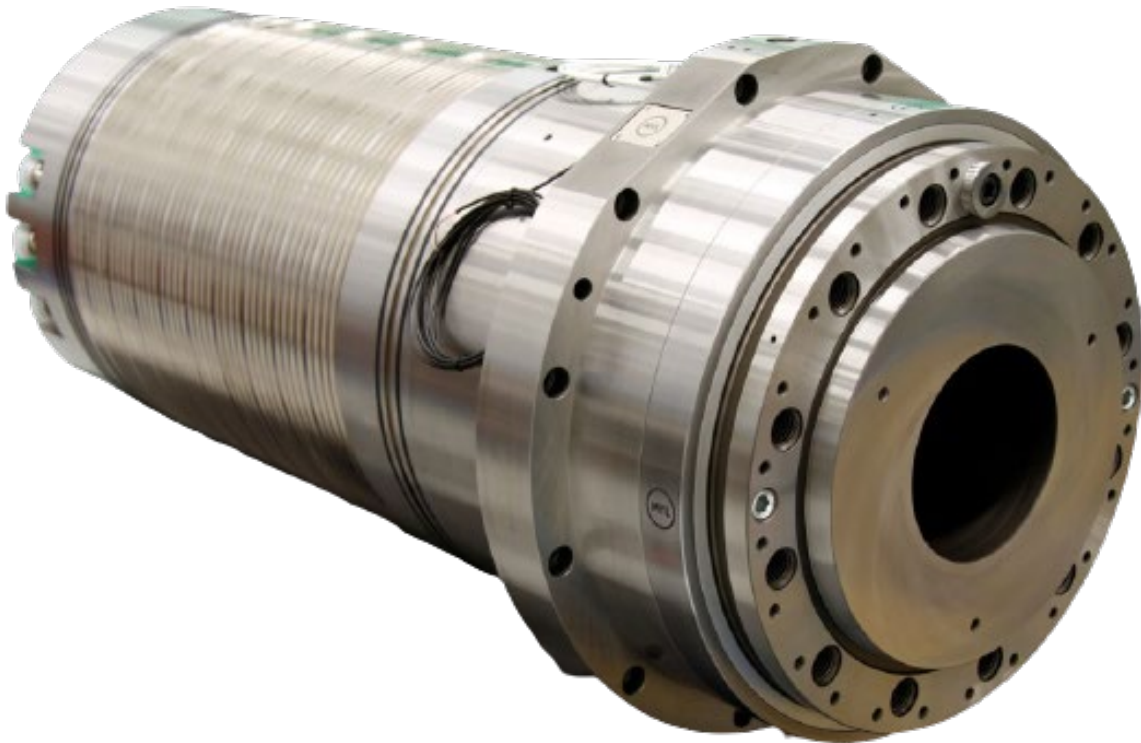
MODEL NAME	SGT 400-1800/103C A15
MYL CODE	SP19GE011000008
DIAMETER [mm]	400
MOTOR TYPE	SYNCHRONOUS
TORQUE [Nm] @ SPEED [rpm]	1619@609 (1400@530)
POWER [kW] @ SPEED [rpm]	103@609 (78@530)
MAX SPEED [rpm]	1800
TAPER TYPE	ASA A15 DIN 55026-A15
SHAFT LOCK	YES
LUBRICATION	GREASE

PT100	YES (4 wires) 2 SENSORS (OPTIONAL)
ACCELEROMETER	YES (OPTIONAL)
CHOKE	NO
DC-LINK FILTER	DEPENDS ON DRIVE CONFIG.





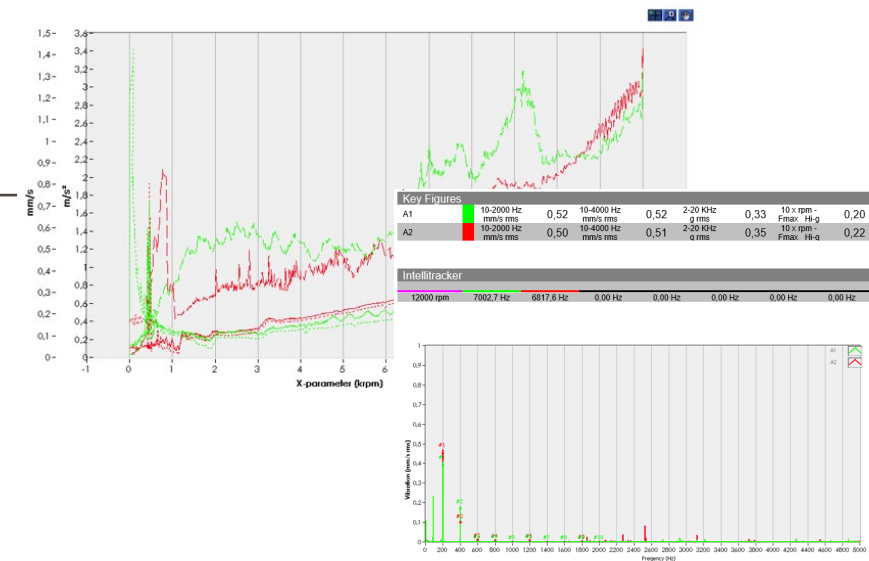
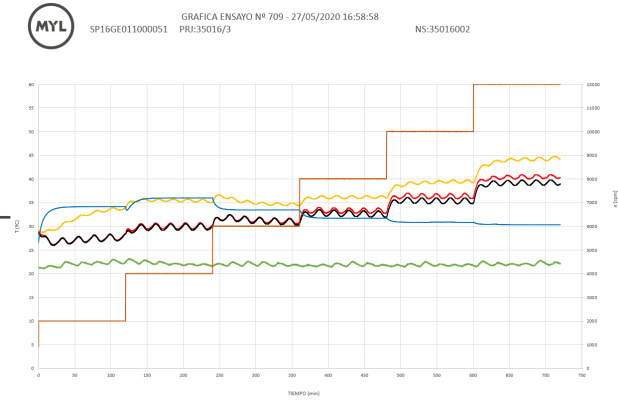
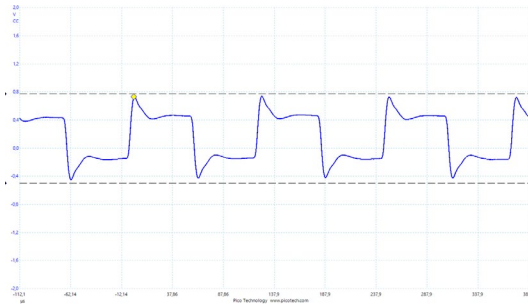
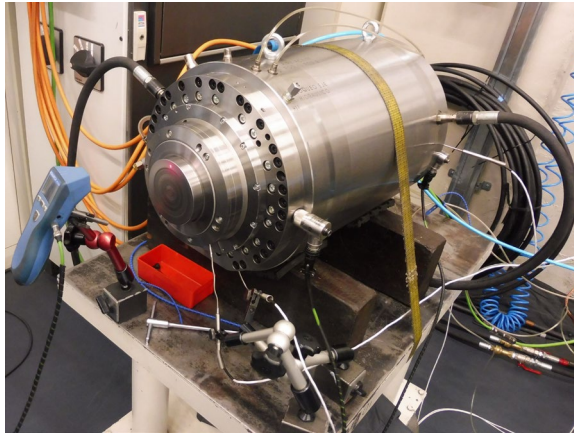
Turning & Milling Multitasking Example



SGT 400-1800/103C A15
&
SGM 270-12000/74C C8



Spindle fingerprint





Precision Spindles &
Spindle repair services

myl.es

