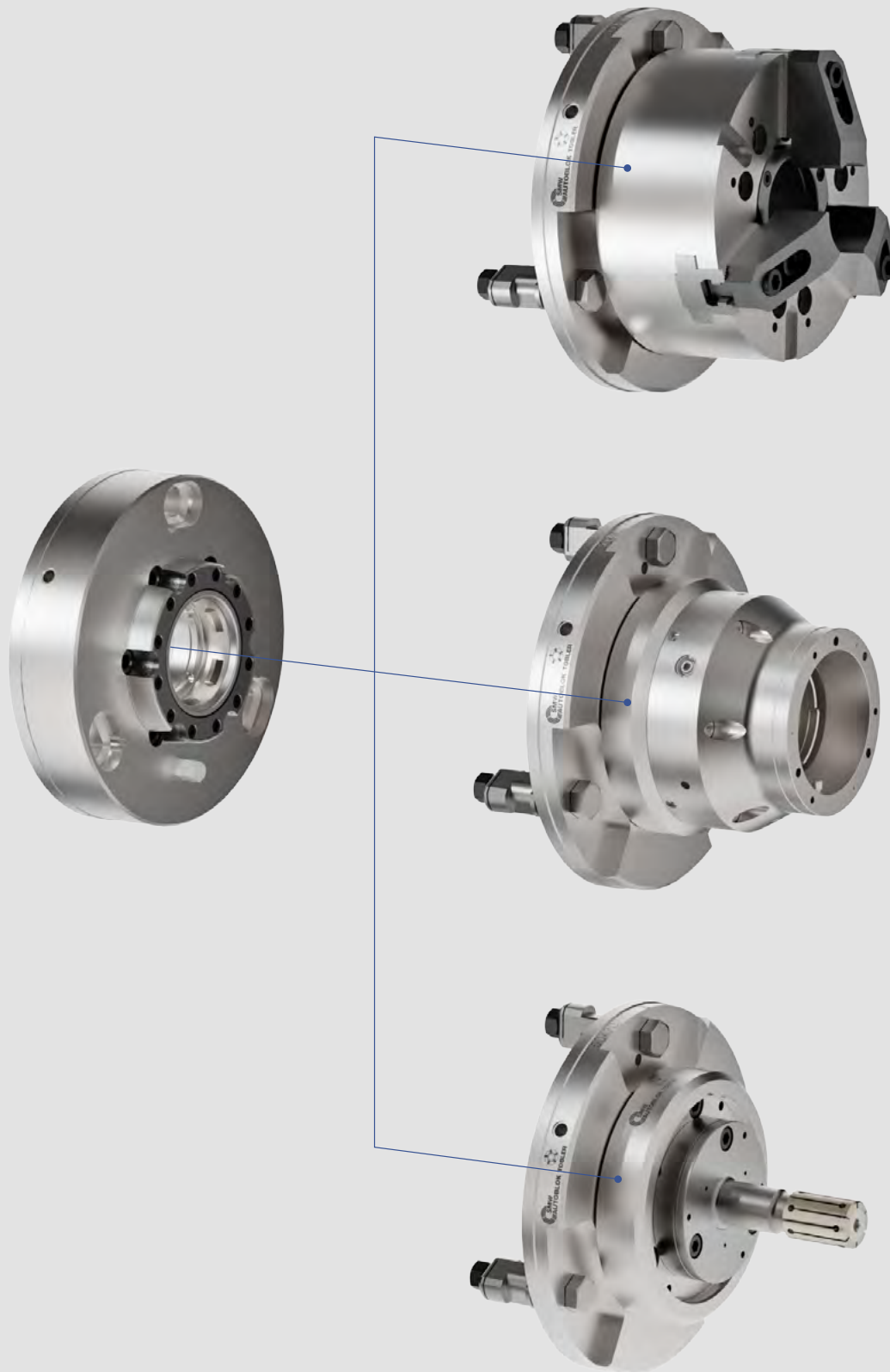


TMS-2G



**Universal Quick Change Workholding
System For Turning CNC Machines**



- Highest repeatability and change over accuracy
- Central actuation for locking and unlocking
- Large through-hole



Application/customers benefits

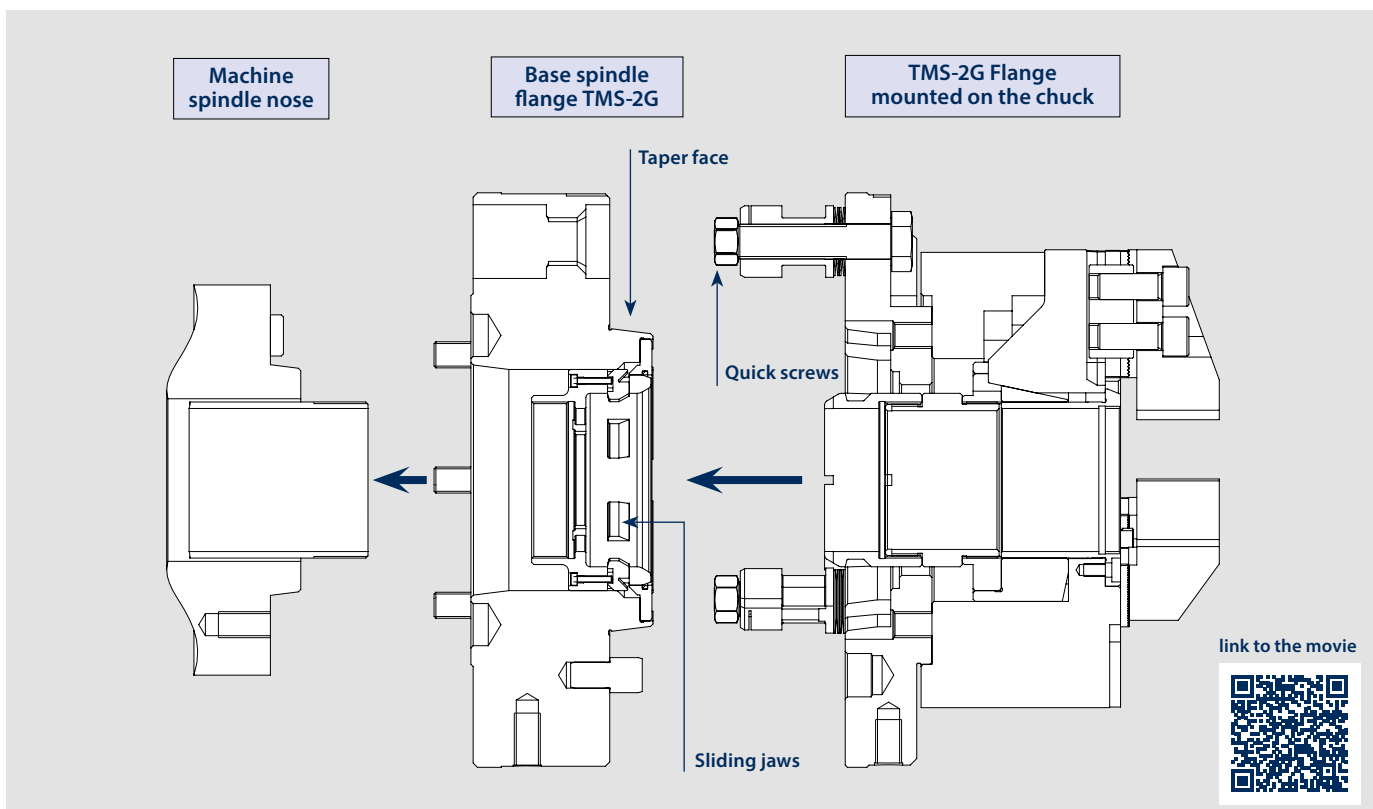
- Very simple system for quick change chucks **less than 1 mm**
- Quick change over of workholding on CNC machines
- Less down time and high changing accuracy
- Available for any ASA spindle turning machine
- Available for any clamping device (automatic or manual clamping)
- Easy to load and unload (no rotation needed)
- Delivered with lifting ring and manual key safety lock

Technical features

- Highest repeatability and change over accuracy **less than 7 μ**
- Central actuation for locking and unlocking.
- Very large through hole
- Protection against contamination

Function

Only one base TMS-2G spindle flange is mounted on your spindle nose

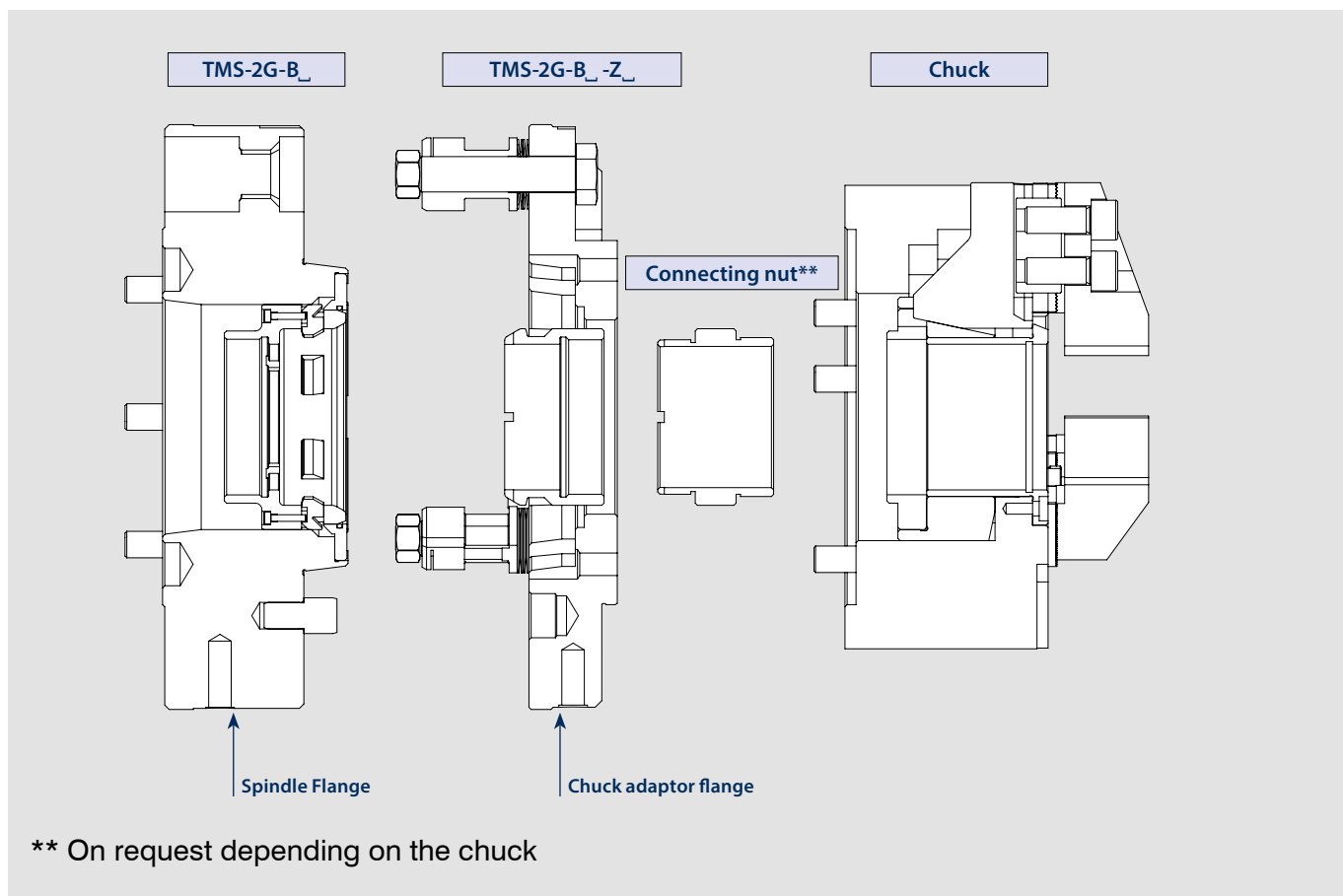


Several TMS-2G flanges (one for each chuck) could be used. The chuck is mounted on its TMS-2G Flange out of the machine

Procedure for the quick change

- Connexion between Spindle flange and chuck flange by a taper-face and a set of quick screws (**repeatability < 7 μ**)
- Actuation for clamping is made by an internal **patented sliding jaws** system with large thru-hole

ORDERING OVERVIEW



SPINDLE FLANGE

TMS-2G-B_

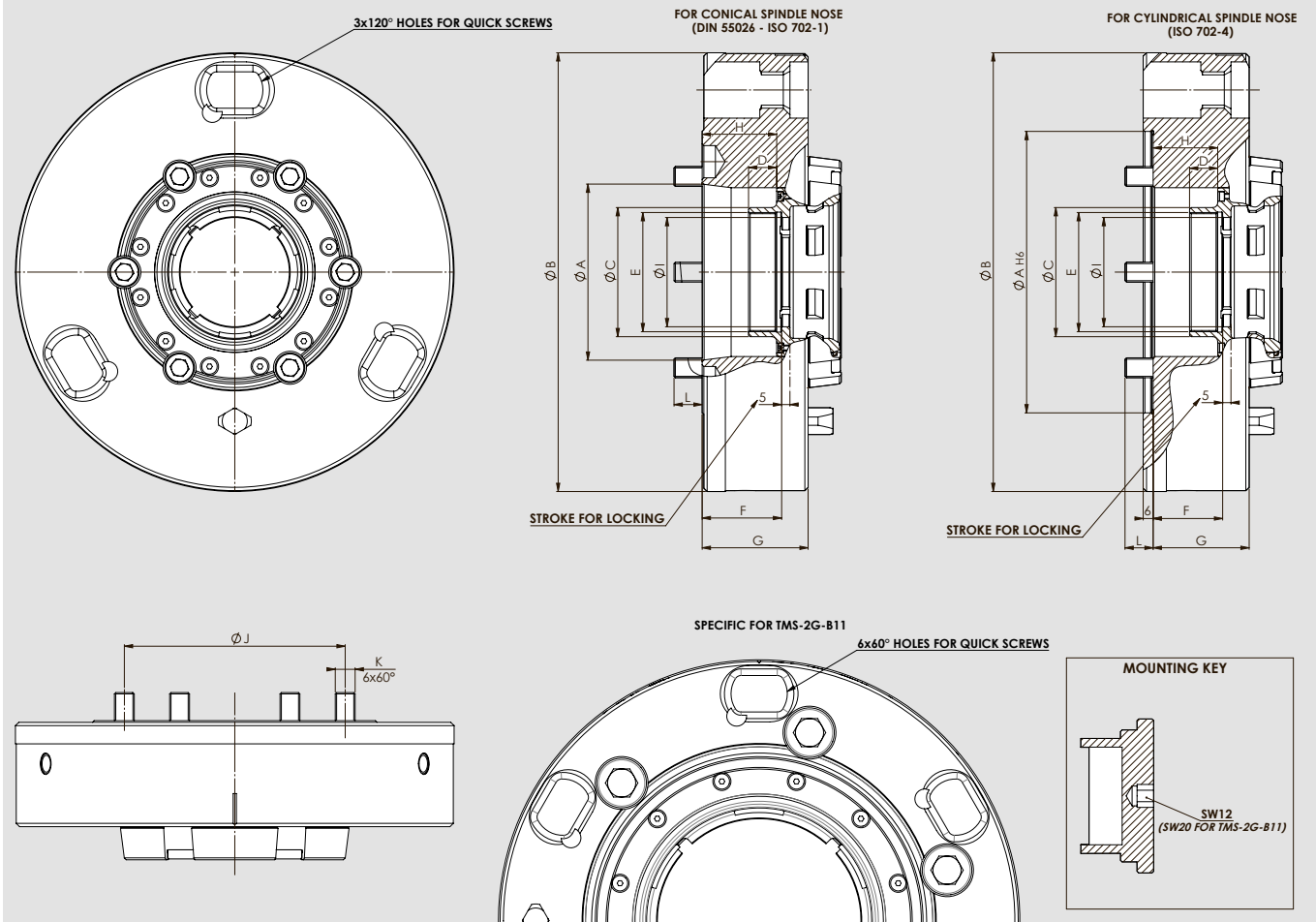
5	For spindle A2-5
6	For spindle A2-6
8	For spindle A2-8
11	For spindle A2-11
Z140	For spindle Z140
Z170	For spindle Z170
Z220	For spindle Z220

CHUCK ADAPTOR FLANGE

TMS-2G-B_-Z_ → Centering Ø of chuck

5	For spindle A2-5 or Z140
6	For spindle A2-6 or Z170
8	For spindle A2-8 or Z220
11	For spindle A2-11

On request : other spindle nose (as A2-15" or different Z mounting), inside coolant and airsensing



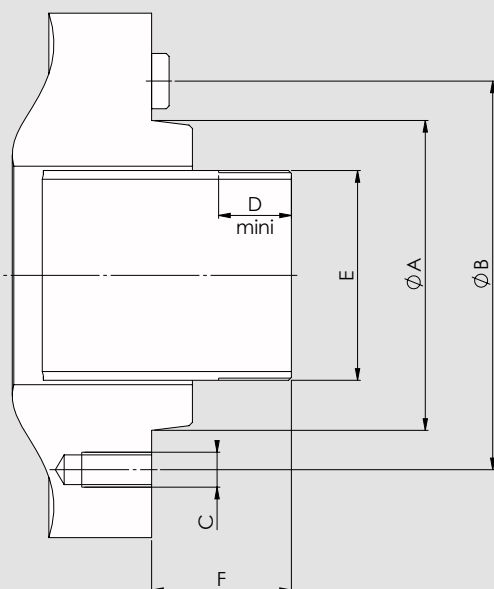
SMW AUTOBLOK Type	TMS-2G-BZ140	TMS-2G-B5	TMS-2G-BZ170	TMS-2G-B6	TMS-2G-BZ220	TMS-2G-B8	TMS-2G-B11
Id. N°	50470240	50470000	50470250	50470070	50470260	50470130	50470280
A	Z140	82,563	Z170	106,375	Z220	139,719	196,869
B	210		265		280		315
C	60		78		96		141
D	17		17		17		15
E	M55x1.5/20		M72x1.5/20		M90x2/20		M135x2/18
F	38	44	42	48	46	48	81
G	54	60	58	64	62	64	71,5
H	35	41	39	45	43	45	78
I (Through hole)	43		66		82		123
J	104,8		133,4		171,4		235
K	M10		M12		M16		M20
L	15		17		23		29,5
Maxi pulling force (KN)	50		70		90		110
Maxi pushing force (KN)	35		50		50		75
Moment of inertia (Kg/m²)	0,08		0,2		0,26		0,41
Weight (Kg)	14		24		27		33
Max. speed (rpm)	6000		6000		6000		4500

The described design is for draw tube with O.D thread only

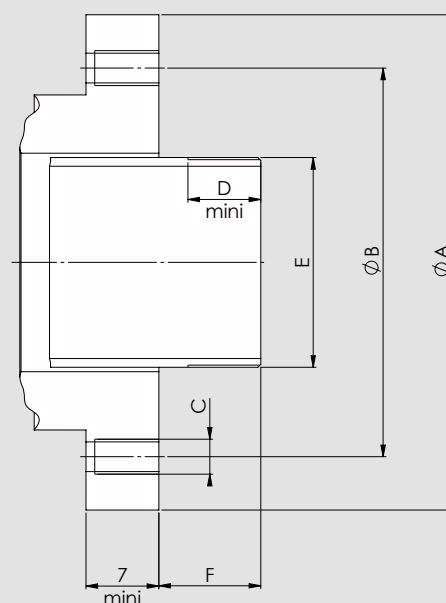
For draw bar with I.D. thread please contact SMW-AUTOBLOK-TOBLER

COMPLETE FORWARD END POSITION

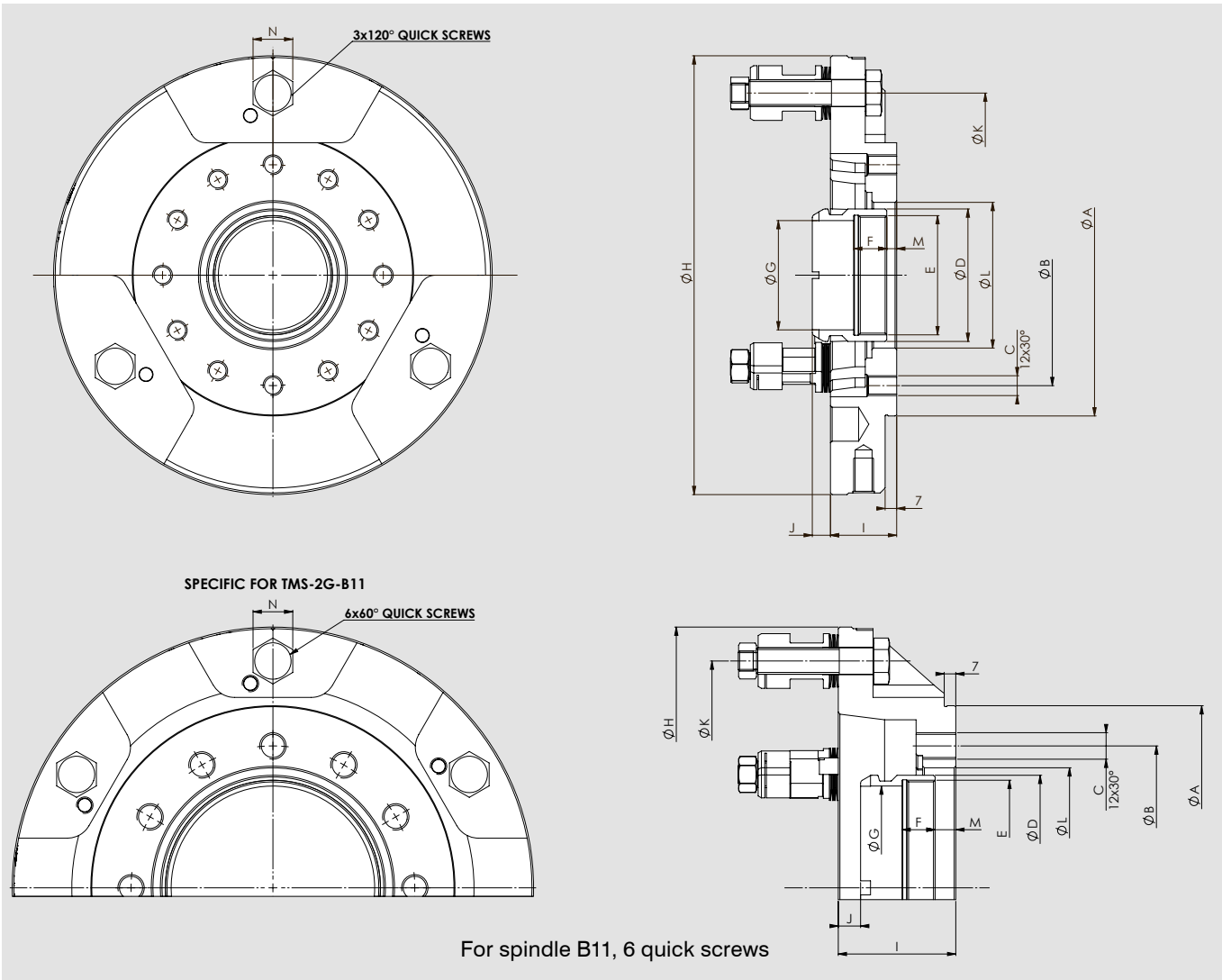
**FOR CONICAL SPINDLE NOSE
(DIN 55026 - ISO 702-1)**



**FOR CYLINDRICAL SPINDLE NOSE
(ISO 702-4)**



SMW AUTOBLOK Type	TMS-2G-BZ140	TMS-2G-B5	TMS-2G-BZ170	TMS-2G-B6	TMS-2G-BZ220	TMS-2G-B8	TMS-2G-B11
SPINDLE SIZE	Z140	A2-5	Z170	A2-6	Z220	A2-8	A2-11
A	140	82,563	170	106,375	220	139,719	196,869
B	104,8		133,4		171,4		235
C	M10		M12		M16		M20
D	23		23		23		20
E	M55x1.5		M72x1.5		M90x2		M135x2
F	43	49	47	53	51	53	86



Spindle flange	Chuck flange	Id. N°	A	B	C	D	E	F	G	H	I	J	K	L	M	N
TMS-2G-B5 or TMS-2G-BZ140	TMS-2G-B5-Z115	50470010	115	82,6	M10	57	M49x2	20	43	210	40	11	175	58	6	19
	TMS-2G-B5-Z120	50470020	120	104,8	M10	57	M49x2	20	43	210	40	11	175	58	6	19
	TMS-2G-B5-Z130	50470030	130	104,8	M10	57	M49x2	20	43	210	40	11	175	58	6	19
	TMS-2G-B5-Z140	50470040	140	104,8	M10	57	M49x2	20	43	210	40	11	175	58	6	19
	TMS-2G-B5-Z160	50470050	160	133,4	M12	57	M49x2	20	43	210	40	11	175	58	6	19
	TMS-2G-B5-Z170	50470060	170	133,4	M12	57	M49x2	20	43	210	40	11	175	58	6	19
TMS-2G-B6 or TMS-2G-BZ170	TMS-2G-B6-Z130	50470080	130	104,8	M10	80	M72x2	20	66	265	40	11	220	88	6	24
	TMS-2G-B6-Z140	50470090	140	104,8	M10	80	M72x2	20	66	265	40	11	220	88	6	24
	TMS-2G-B6-Z160	50470100	160	133,4	M12	80	M72x2	20	66	265	40	11	220	88	6	24
	TMS-2G-B6-Z170	50470110	170	133,4	M12	80	M72x2	20	66	265	40	11	220	88	6	24
	TMS-2G-B6-Z220	50470120	220	171,4	M16	80	M72x2	20	66	265	40	11	220	88	6	24
TMS-2G-B8 or TMS-2G-BZ220	TMS-2G-B8-Z160	50470140	160	133,4	M12	96	M88x2	20	82	280	40	11	235	100	6	24
	TMS-2G-B8-Z170	50470150	170	133,4	M12	96	M88x2	20	82	280	40	11	235	100	6	24
	TMS-2G-B8-Z220	50470160	220	171,4	M16	96	M88x2	20	82	280	40	11	235	100	6	24
	TMS-2G-B8-Z280	50470170	280	235	M20	96	M88x2	20	82	280	57	11	235	145	23	24
	TMS-2G-B8-Z300	50470180	300	235	M20	96	M88x2	20	82	280	57	11	235	145	23	24
TMS-2G-B11	TMS-2G-B11-Z170	50470290	170	133,4	M12	136	M130x2	20	123	315	77	13,5	274	115	18,5	24
	TMS-2G-B11-Z220	50470300	220	171,4	M16	136	M130x2	20	123	315	71	13,5	274	145	12,5	24
	TMS-2G-B11-Z300	50470310	300	235	M20	136	M130x2	20	123	315	71	13,5	274	145	12,5	24
	TMS-2G-B11-Z380	50470320	380	330,2	M24	136	M130x2	20	123	315	83	13,5	274	189	24,5	24



TMS-2G-B5 or Z140
TMS-2G-B6 or Z170
TMS-2G-B8 or Z220
TMS-2G-B11

TMS-2G-B5-Z170
TMS-2G-B6-Z170
TMS-2G-B8-Z170

Mandrel adaptor flange

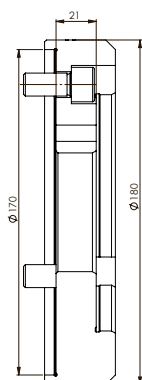
Mandrel

**Connecting nut

** On request depending on the mandrel

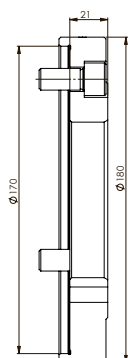
Mandrel ADAPTOR FLANGE

TMS-2G-EXB
ref: 50470200



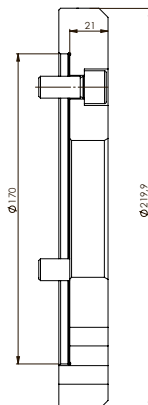
EM-A-1
EM-A-2
EM-A-3
EM-A-4
EM-A-5
EM-A-6
EM-B 0
EM-B 1
EM-B 2
EM-B 3
EMX-S-1
EMX-S-2
EMX-S-3
EMX-S-4

TMS-2G-EXC
ref: 50470210



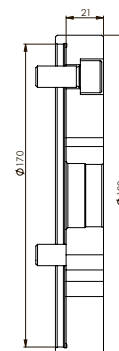
EM-A-10
EM-A-11
EM-A-7
EM-A-8
EM-A-9

TMS-2G-EXD
ref: 50470220



EM-B-4

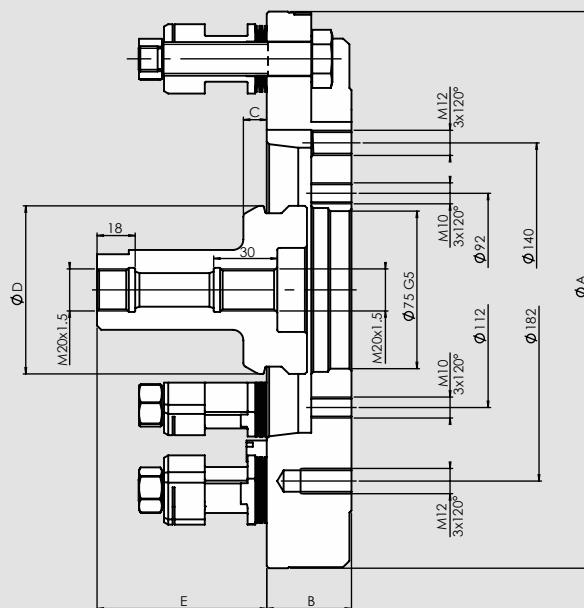
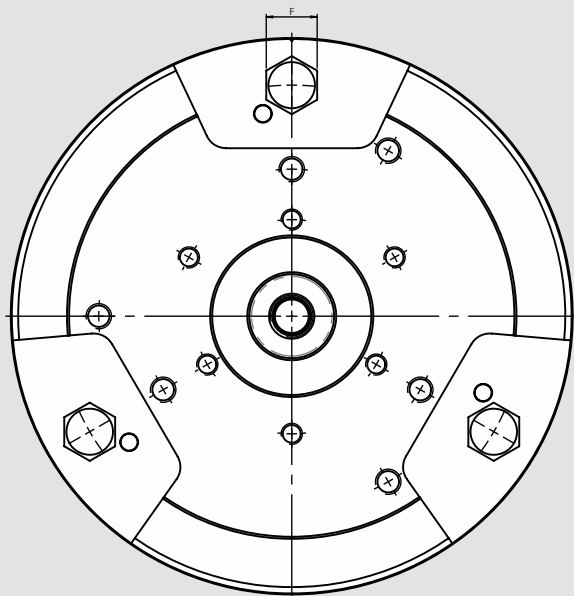
TMS-2G-EXE
ref: 50470230



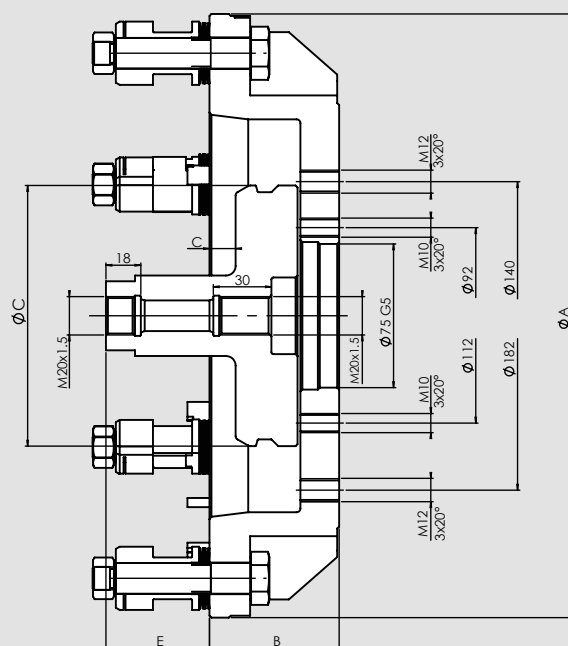
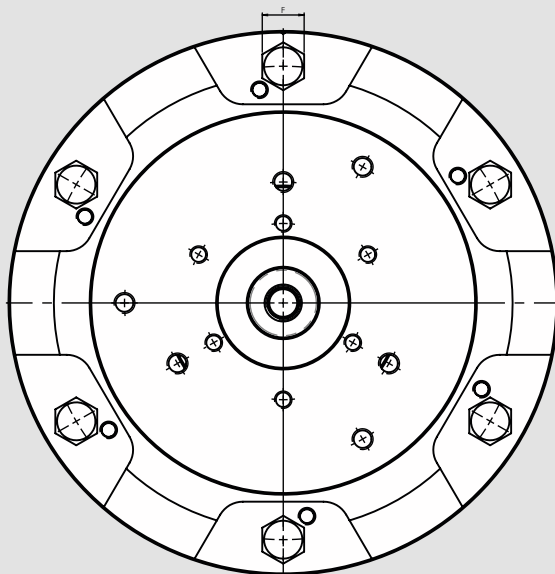
TMTP
TMDI
TMTPN
TMIT

QUICK CHANGE ADAPTOR FLANGE FOR EMX-C, EMX-F AND EMX-P MANDRELS

LOCKED AND UNCLAMPING POSITION



SPECIFIC FOR TMS-2G-B11

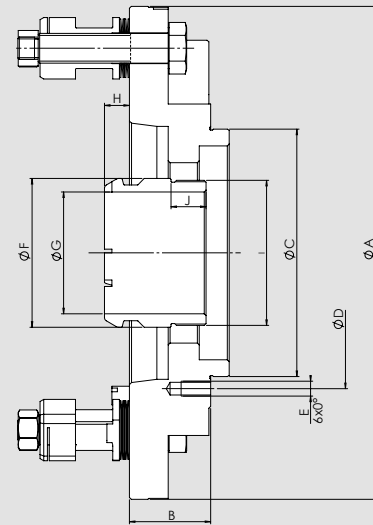
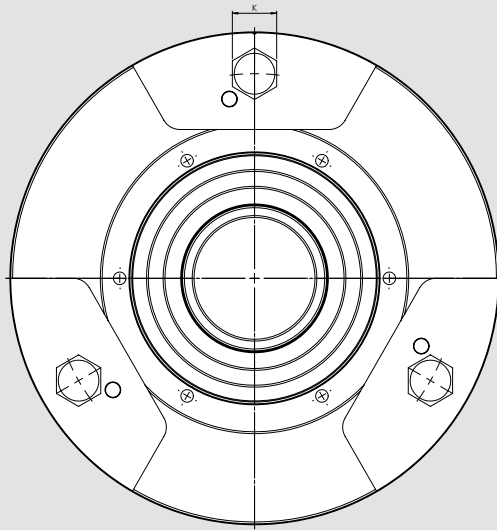


SMW AUTOBLOK Type	TMS-2G-B5-EX	TMS-2G-B6-EX	TMS-2G-B8-EX	TMS-2G-B11-EX
Id. N°	50470330	50470340	50470350	50470360
A	210	265	280	315
B	40	40	40	67
C	11	11	11	13,5
D	57	80	96	136
E	80	80	80	53,5
F	SW 19	SW 24	SW 24	SW 24
Moment of inertia (Kg/m²)	0,04	0,09	0,15	0,3
Weight (Kg)	8	13	15	24
Max, speed (rpm)	6000	6000	6000	4500

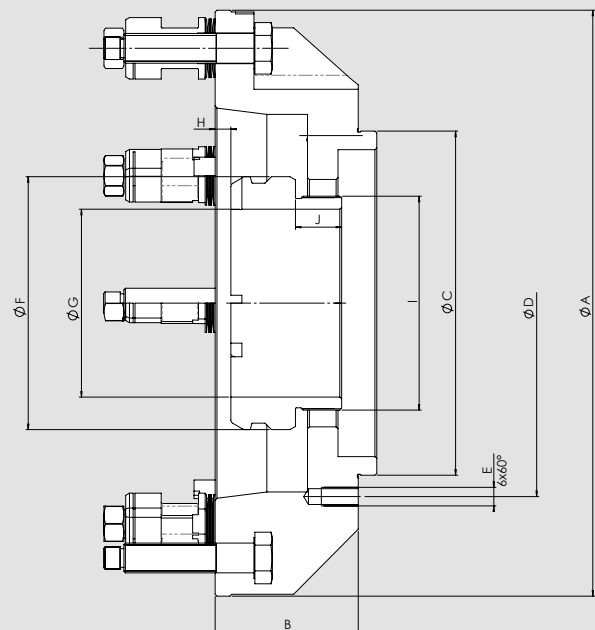
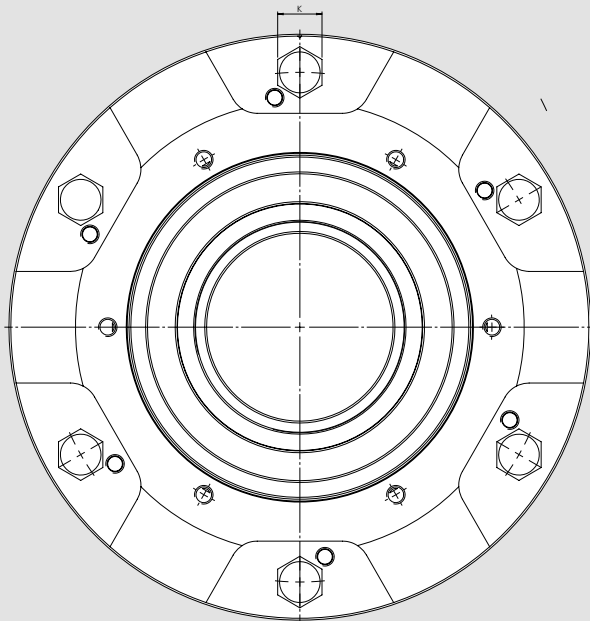


QUICK CHANGE ADAPTOR FLANGE FOR COMOT CHUCKS

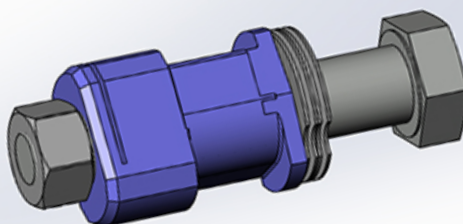
LOCKED AND UNCLAMPING POSITION



SPECIFIC FOR TMS-2G-B11



Spindle flange	Chuck adaptor	Id. N°	A	B	C	D	E	F	G	H	I	J	K
TMS-2G-B5 or Z140	TMS-2G-B5-CO42	50470440	210	38	110	126	M8	57	43	11	M54x1,5	18	SW 19
	TMS-2G-B5-CO52	50470370	210	38	118	134	M8	57	43	11	M64x1,5	17	SW 19
	TMS-2G-B5-CO65	50470380	210	44	133	146	M8	57	43	11	M78x1,5	17,5	SW 19
TMS-2G-B6 or Z170	TMS-2G-B6-CO65	50470390	265	44	133	146	M8	80	65,5	11	M78x1,5	19	SW 24
TMS-2G-B8 or Z220	TMS-2G-B8-CO65	50470400	280	35	133	146	M8	96	65,5	11	M78x1,5	19	SW 24
	TMS-2G-B8-CO80	50470410	280	45	158	178	M10	96	80,5	11	M90x1,5	19	SW 24
	TMS-2G-B8-CO100	50470420	280	57	185	208	M10	96	82	11	M115x2	24	SW 24
TMS-2G-B11	TMS-2G-B11-CO100	50470430	315	77,5	185	208	M10	136	101	13,5	M115x2	25	SW 24



Spindle flange	Set of quick screws	Id. N°
TMS-2G-B5 or TMS-2G-Z140	Set of 3 TMS-2G quick screws	TMS-2G-B5-V
TMS-2G-B6 or TMS-2G-Z170	Set of 3 TMS-2G quick screws	TMS-2G-B6-V
TMS-2G-B8 or TMS-2G-Z220	Set of 3 TMS-2G quick screws	TMS-2G-B8-V
TMS-2G-B11	Set of 6 TMS-2G quick screws	TMS-2G-B11-V



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SMW-Autoblok France Headquarter, Lyon France
Development, Sales, Service, Support



TOBLER manufacturing plant, Paris France



Sales and Export department



Technical office for development and applications



Tobler Manufacturing plant

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QUICK
CHANGE JAWS
KIT-RR



KNCS-2G



APS



TWIN VISE



AUTOMATION



SMW-electronics
MotionAct -
360°rotation



TMS-2G

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