

SELF-CENTERING SPINDLES

with 2-3-4 jaws and
different diameters



COLLET CHUCKS



EXPANSION CHUCKS



TMS-2G

Basic Model

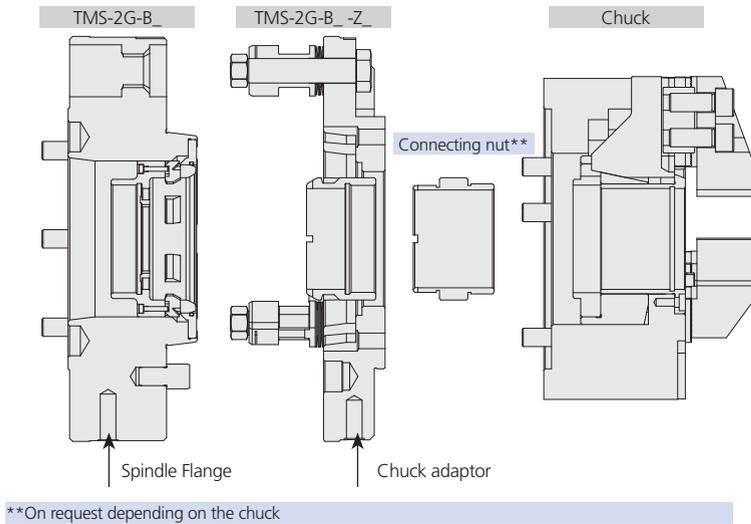
FLEXIBILITY ON LATHES

UNIVERSAL Quick Change Workholding TMS-2G

System for
Turning CNC
Machines



Ordering overview



SPINDLE FLANGE

TMS-2G-B_

5 for spindle A2-5

6 for spindle A2-6

8 for spindle A2-8

CHUCK ADAPTOR FLANGE

TMS-2G-B_

-Z_

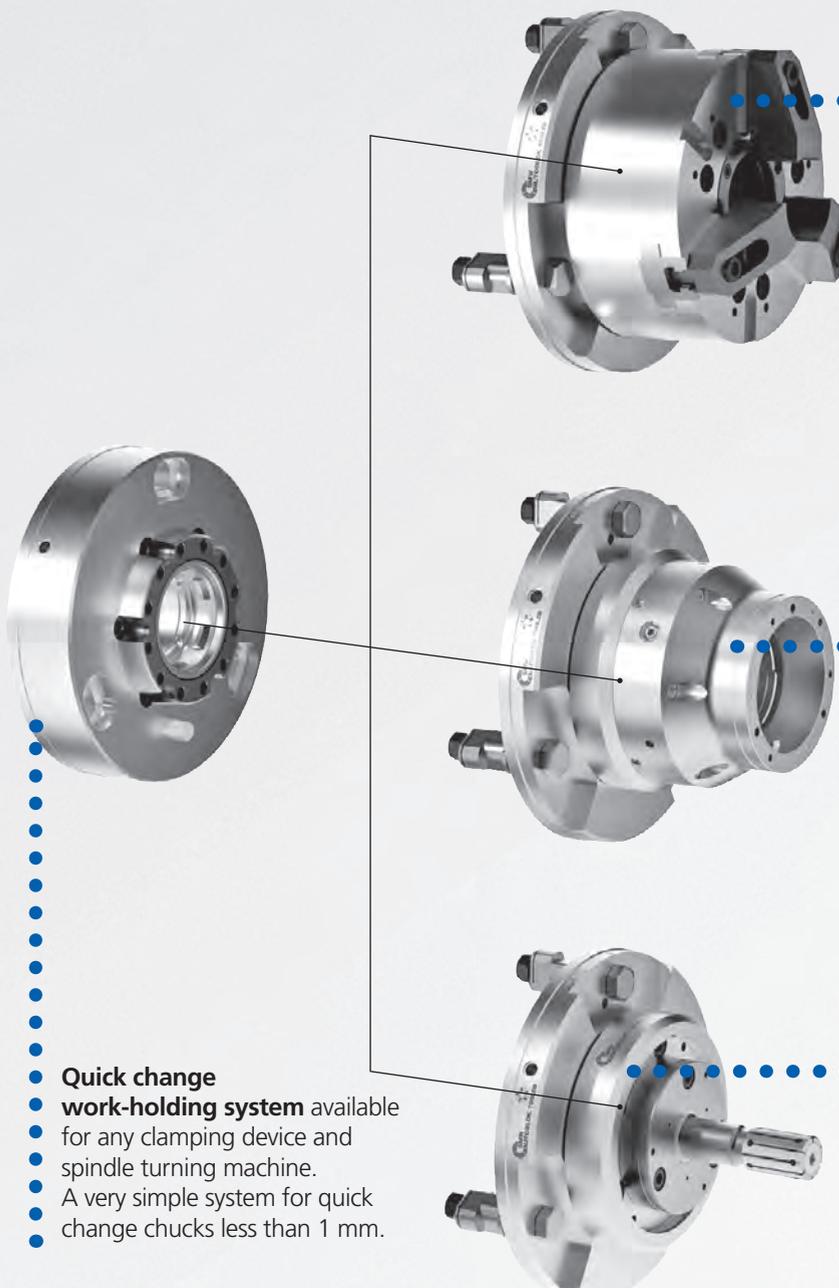
Centering Ø of chuck

5 for spindle A2-5

6 for spindle A2-6

8 for spindle A2-8

ON REQUEST: OTHER SPINDLE NOSE (ASA11 - 15),
INSIDE COOLANT AND AIRSENSING



Self-centering chucks of different diameters, smaller for higher cutting speeds or larger to make the most of the machine's turning diameter
3-jaw self-centering chucks with 2, 4 or 6-jaw self-centering chucks, so as to always use the correct locking system for the piece being machined.

It allows great flexibility using different types of **collect chuck** as KSZ-AZ KSZ-NZ KSZ-DZ and all the COMOT line.

Quick change work-holding system available for any clamping device and spindle turning machine.
A very simple system for quick change chucks less than 1 mm.

Flexibility is maximized and is accompanied by the highest precision, rapidity with an extremely attractive price/quality ratio. It allows great flexibility using different types of self-centering chucks with **expanding collets** for internal locking.

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



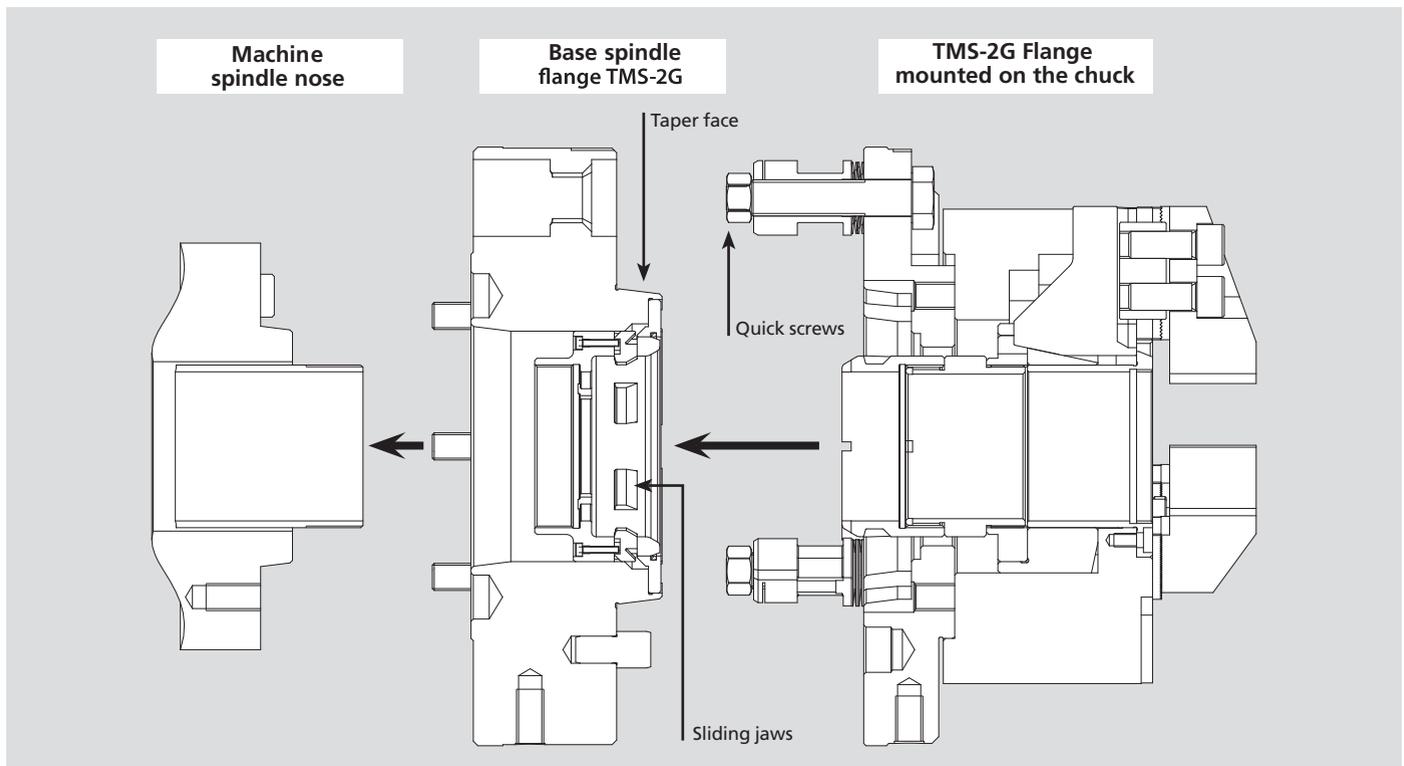
Application/Customer benefits

- Very simple system for quick change chucks less than 1 mn
- 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

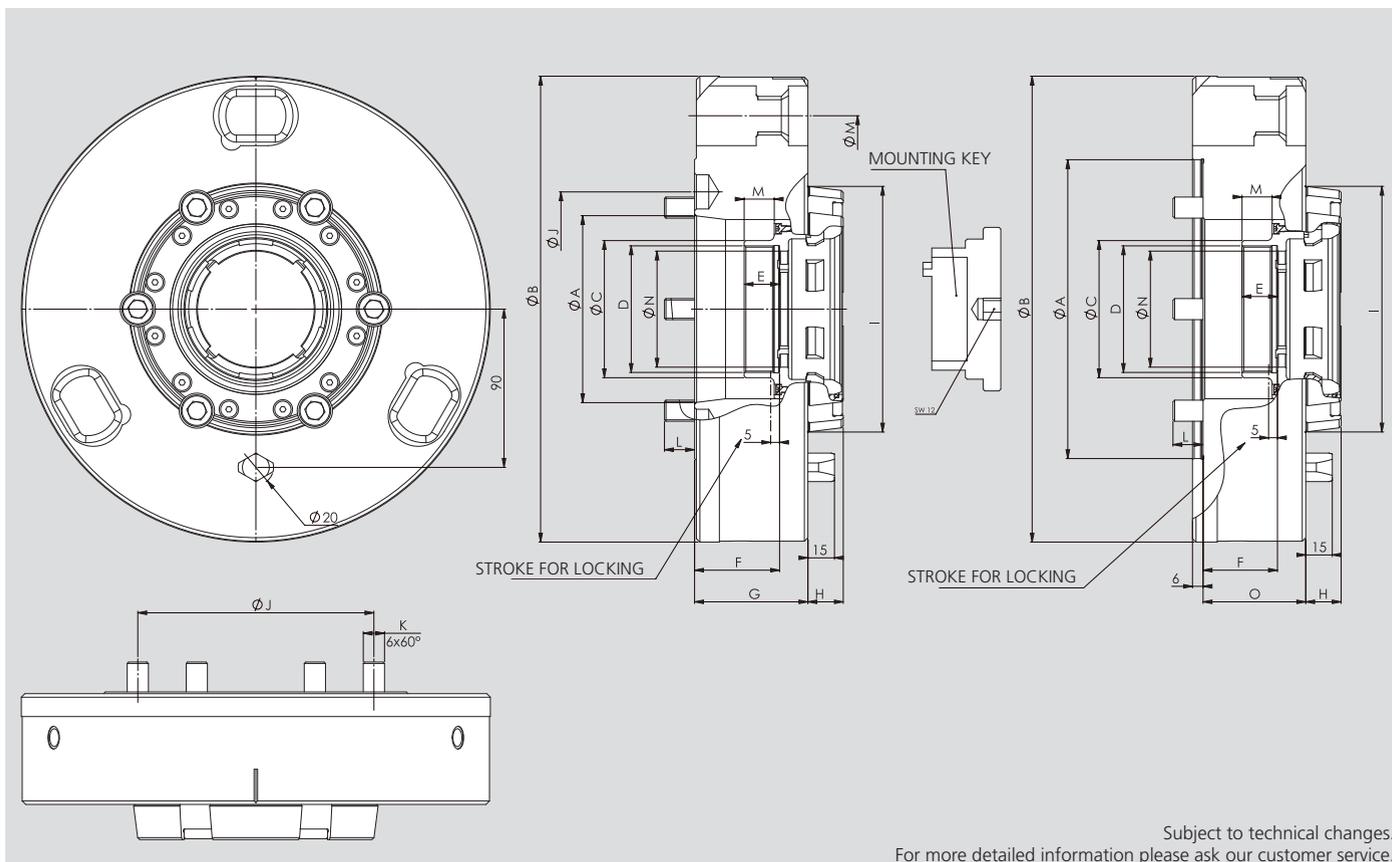
Connexion between Spindle flange and chuck flange by a taper-face and a set of quick screws (repeatability < 7 μ).
Actuation for clamping is made by an internal patented sliding jaws system with large thru-hole.

QUICK CHANGE WORKHOLDING SYSTEM

TMS-2G

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

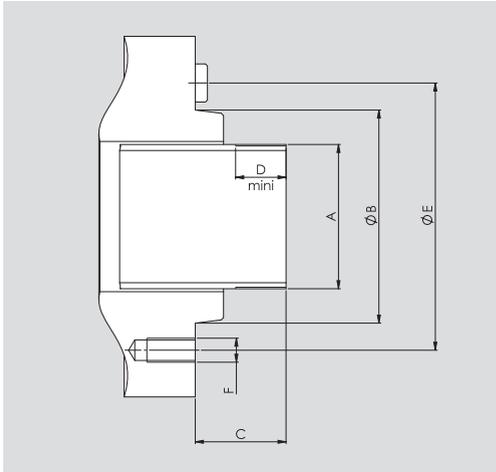
QUICK CHANGE WORKHOLDING SYSTEM



Subject to technical changes.
For more detailed information please ask our customer service.

SMW AUTOBLOK Type		TMS-2G-B5	TMS-2G-BZ140	TMS-2G-B6	TMS-2G-BZ170	TMS-2G-B8	TMS-2G-BZ220
Id. N°		50470000	50470240	50470070	50470250	50470130	50470260
A	mm	82,563	Z140	106,375	Z170	139,719	Z220
B	mm	210		265		280	
C	mm	60		78		96	
D	mm	M55x1.5		M72x1.5		M90x2	
E	mm	20		20		20	
F	mm	44	38	48	42	48	46
G	mm	60		64		64	
H	mm	20		20		20	
I	mm	120		139,719		154	
J	mm	104,8		133,4		171,4	
K	mm	M10		M12		M16	
L	mm	15		17		23	
M	mm	17		17		17	
N	mm	43		66		82	
O	mm		54		58		62
Maxi pulling force	kN	50		70		90	
Maxi pushing force	kN	35		50		50	
Moment of inertia	Kg/m ²	0,05		0,1		0,15	
Weight	Kg	14		24		27	
Max, speed	rpm	6000		6000		6000	

- Installation on machines with thru-hole
- Quick change chuck adaptor flange



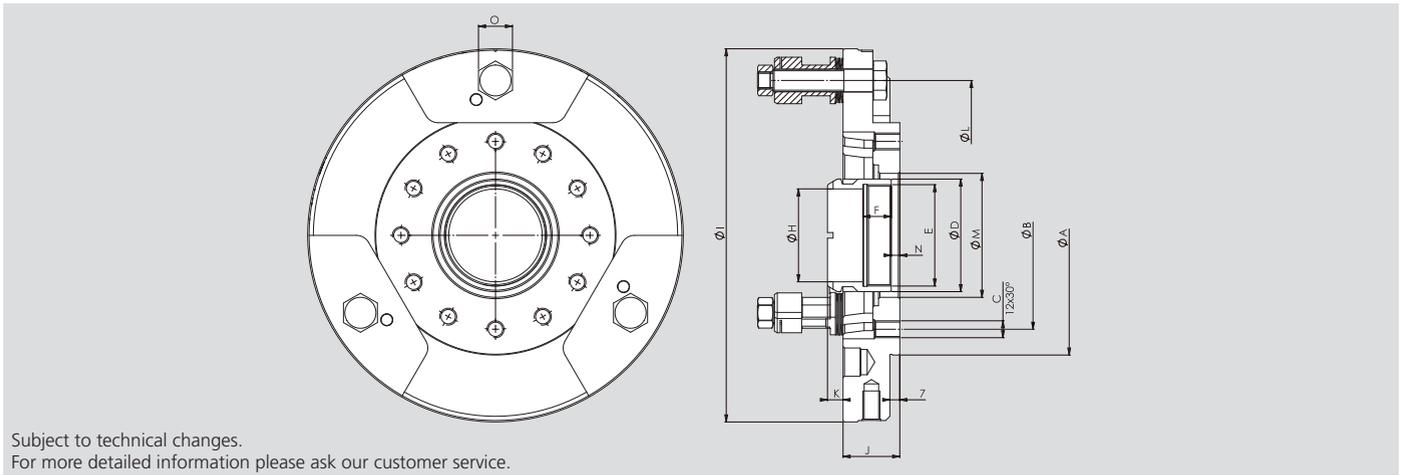
Installation on machines with thru-hole

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

SMW AUTOBLOK Type	TMS-2G-B5	TMS-2G-B6	TMS-2G-B8
SPINDLE NOSE	A2-5	A2-6	A2-8
A	M55x1.5	M72x1.5	M90x2
B	82,563	106,375	139,719
C	44	48	48
D	23	23	23
E	104.8	133.4	171.4
F	M10	M12	M16

Quick change chuck adaptor flange

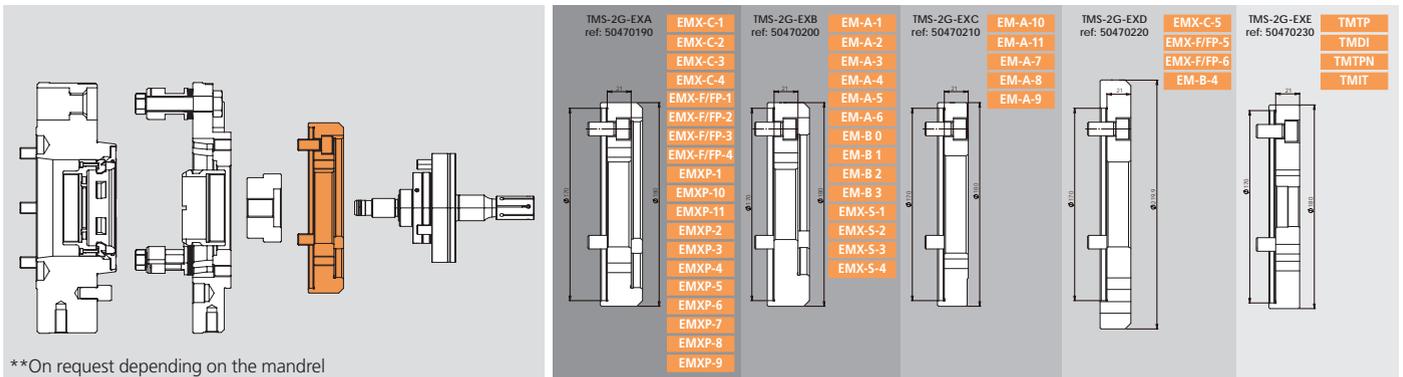


Subject to technical changes.
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Spindle flange	Chuck adaptor flange	Id. N°	A	B	C	D	E	F	H	I	J	K	L	M	N	O
TMS-2G-B5	TMS-2G-B5-Z115	50470010	115	82,6	M10	57	M49x2	20	43	210	40	11	175	58	6	19
	TMS-2G-B5-Z120	50470020	120	104,8	M10	57	M49x2	20	43	210	40	11	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-B6	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-B8	TMS-2G-B8-Z220	50470120	220	171,4	M16	80	M72x2	20	66	265	40	11	220	88	6	24
	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	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	300	57	11	235	145	23	24

Quick change expanding mandrels flange

Mandrel ADAPTOR FLANGE



**On request depending on the mandrel



HEADQUARTERS



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