

CLAMPS

FASTMILL
ZERO

MINI RANGE

VERTICAL
CLAMPING

MAGNETIC

THIRD POINT

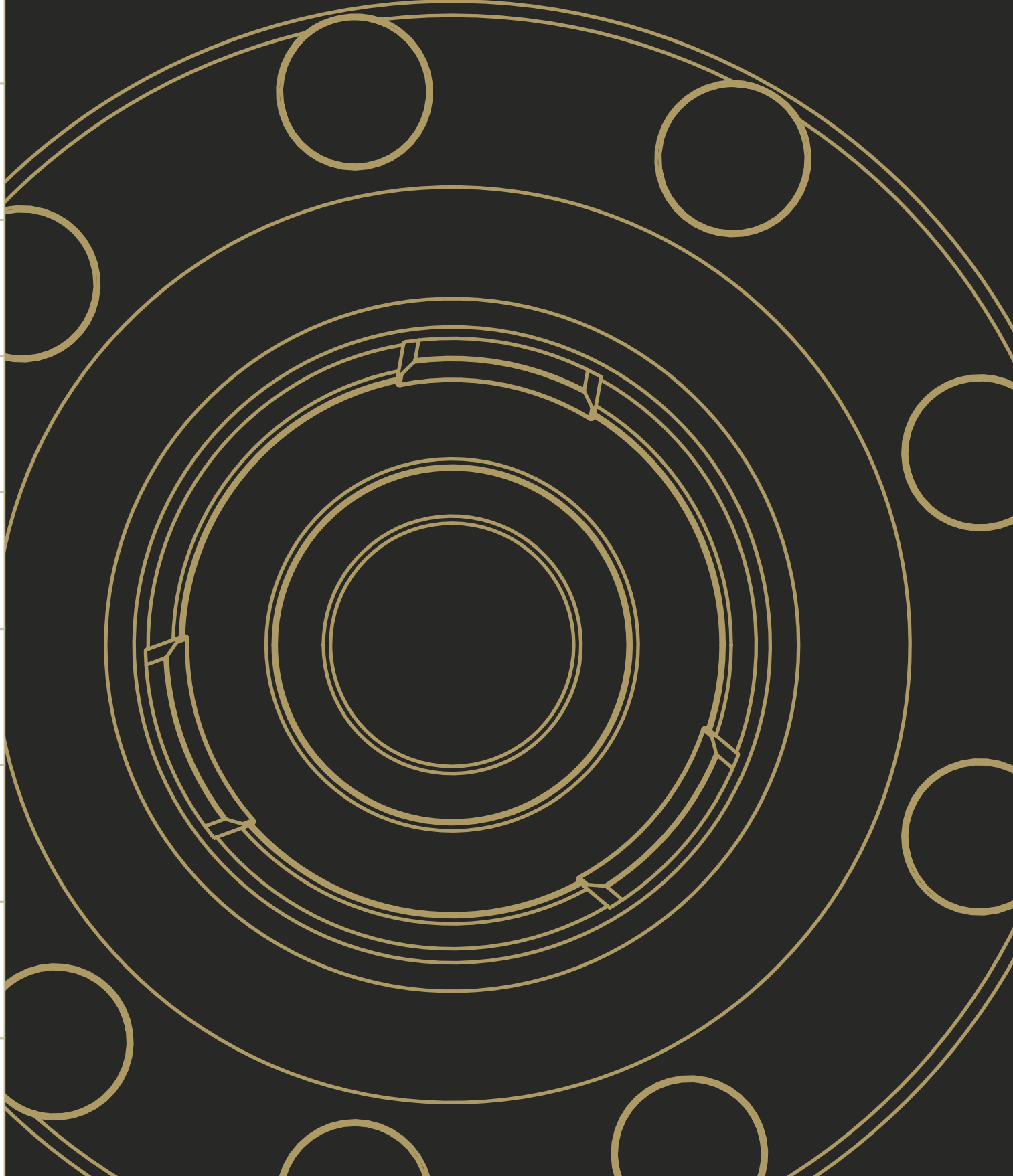
RISERS

SPACERS

MODULES
AND PINS D49

MODULES
AND PINS D90

PLATES
AND BUSHES



MODULES AND PINS D90



MAIN FEATURES

360° POSITIONING / NO NEED TO ORIENT THE SYSTEM



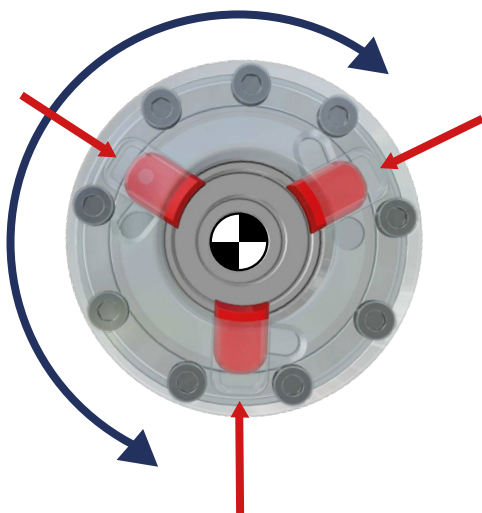
LOCKING PIN

SAFETY SYSTEM FOR EMERGENCY OPENING

STAINLESS STEEL

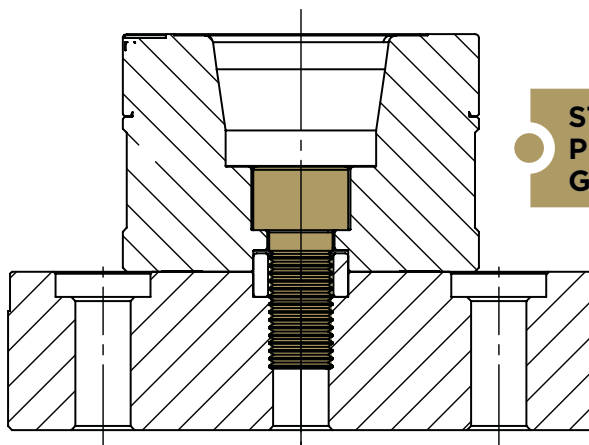
15Nm LOCKING SCREW

HARDENED BODY



ULTRA PRECISE ZERO POINT

AUTO-CENTERING SYSTEM



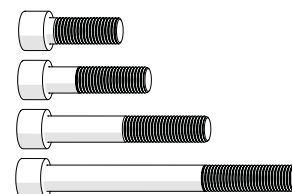
STANDARD SCREW FOR PLATE FIXING M16 12.9 GRADE

MAIN FEATURES



TECHNICAL TIPS

The whole range of FASTMILL® modules use standard 12.9 (DIN912) screws from M6 to M10 or higher of different heights for the connection of the pieces, to the pallets and to the spacers.

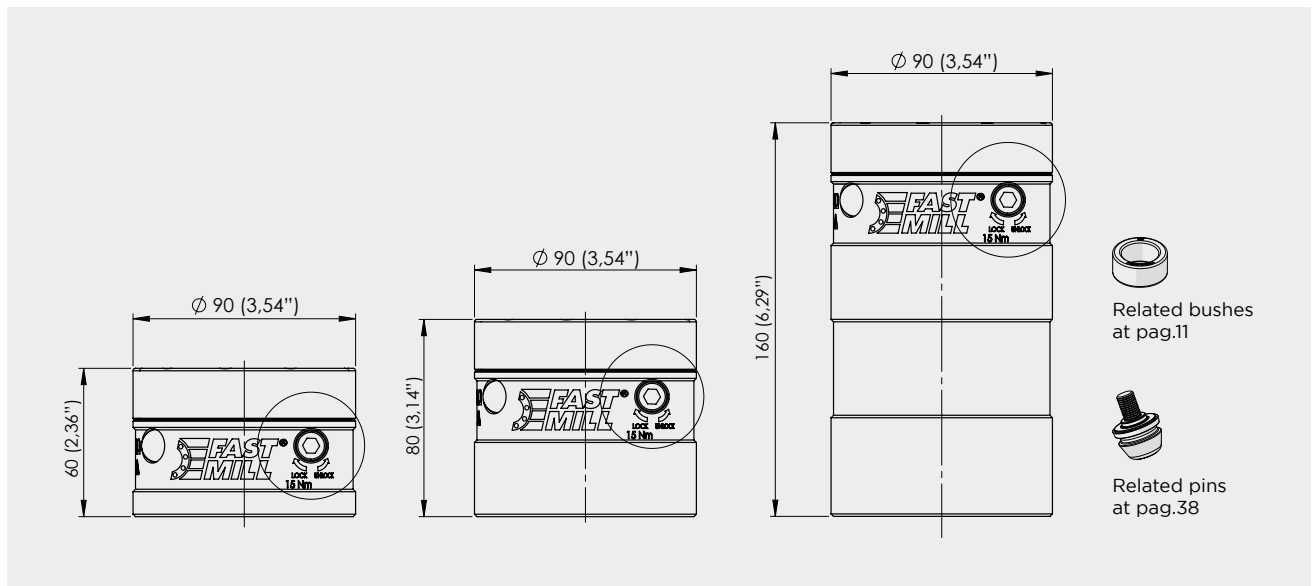




SINGLE MODULE Ø90

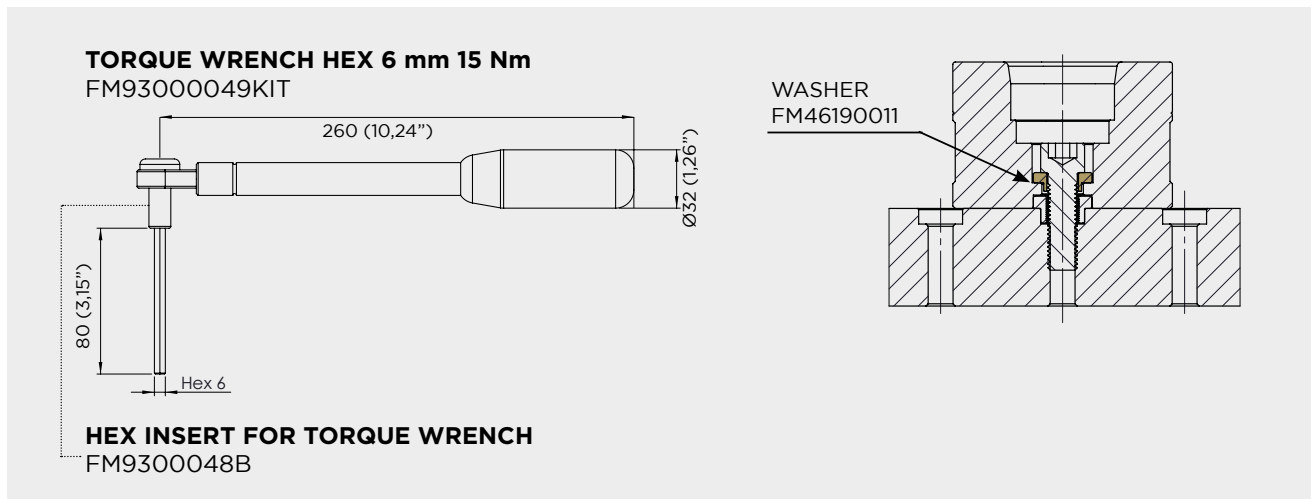
The FastMill module is the heart of the system. Developed over the years based from extensive R&D, this module is the connection point between the workpiece and the FastMill plate. Extreme resistance and precision at the highest levels. The workpiece becomes a single body with the machine table. Set up the machine and start working in a snap.

CODE	DESCRIPTION	HEIGHT	Ø	FIXING SCREW	WEIGHT
FMX46190120	Single module H60	60 (2,36")	90 (3,54")	M16 - M12 *	2 (4,41 lbs)
FMX46190130	Single module H80	80 (2,36")	90 (3,54")	M16 - M12 *	3 (6,61 lbs)
FMX46190140	Single module H160	160 (2,36")	90 (3,54")	M16 - M12 *	7 (15,43 lbs)



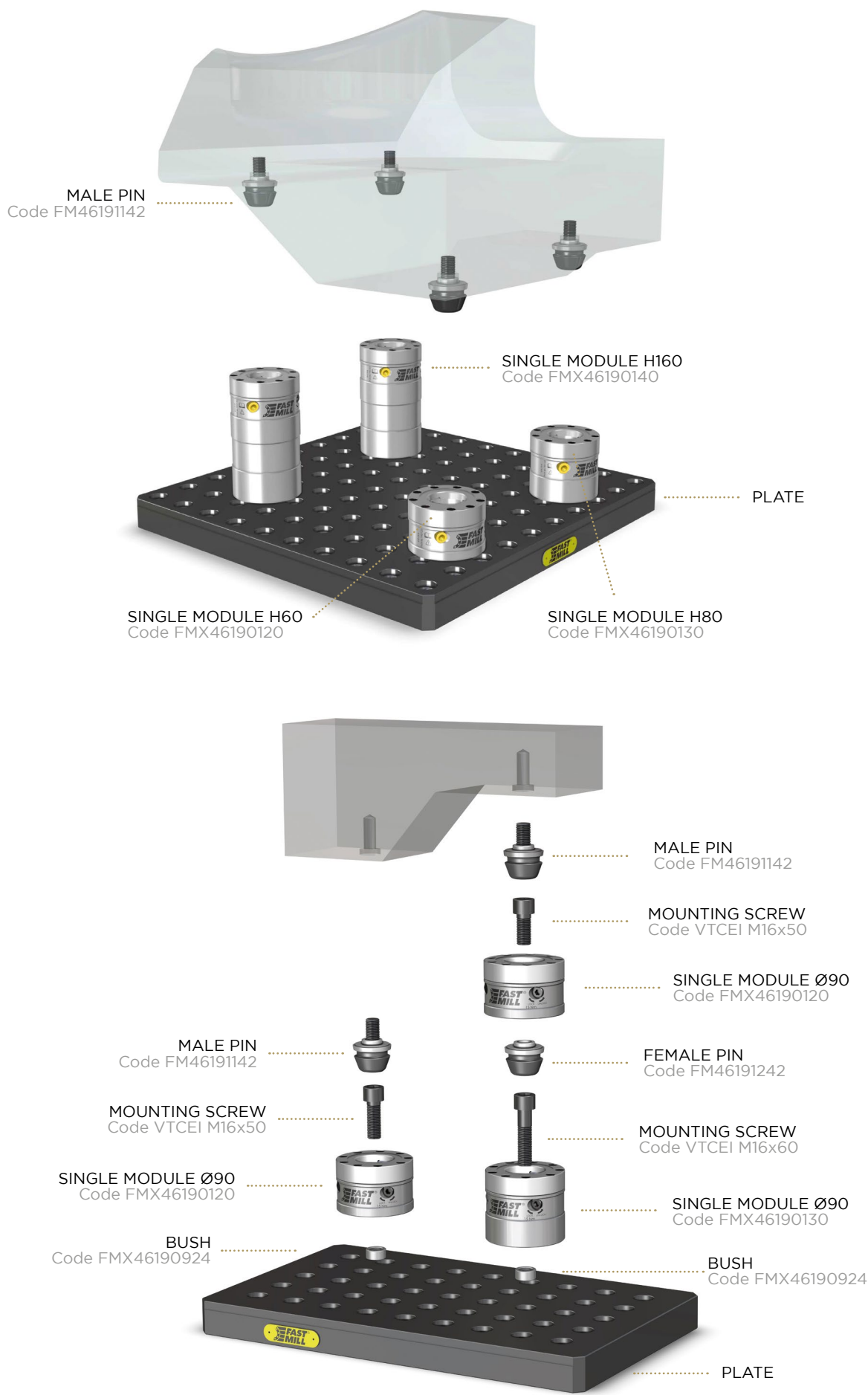
CODE	DESCRIPTION	DIMENSION	TORQUE	WEIGHT
FM93000049KIT	Preset torque wrench hex 6 mm 15 Nm	260 (10,23")	15 Nm	0,5 (11 lbs)
FM9300048B	Hex insert for torque wrench			

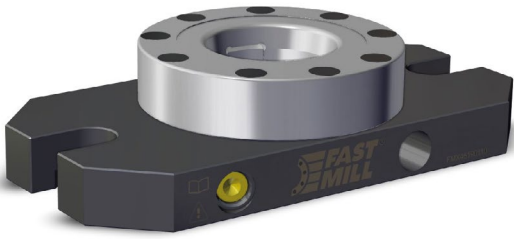
CODE	DESCRIPTION	Ø	M
FM46190011	Reducer washer for pin	M16	M10-M12



PLATES AND BUSHES
 MODULES AND PINS D90
 MODULES AND PINS D49
 SPACERS
 RISERS
 THIRD POINT
 MAGNETIC
 VERTICAL CLAMPING
 MINI RANGE
 FASTMILL ZERO
 CLAMPS

SINGLE MODULES COMBINATION EXAMPLE



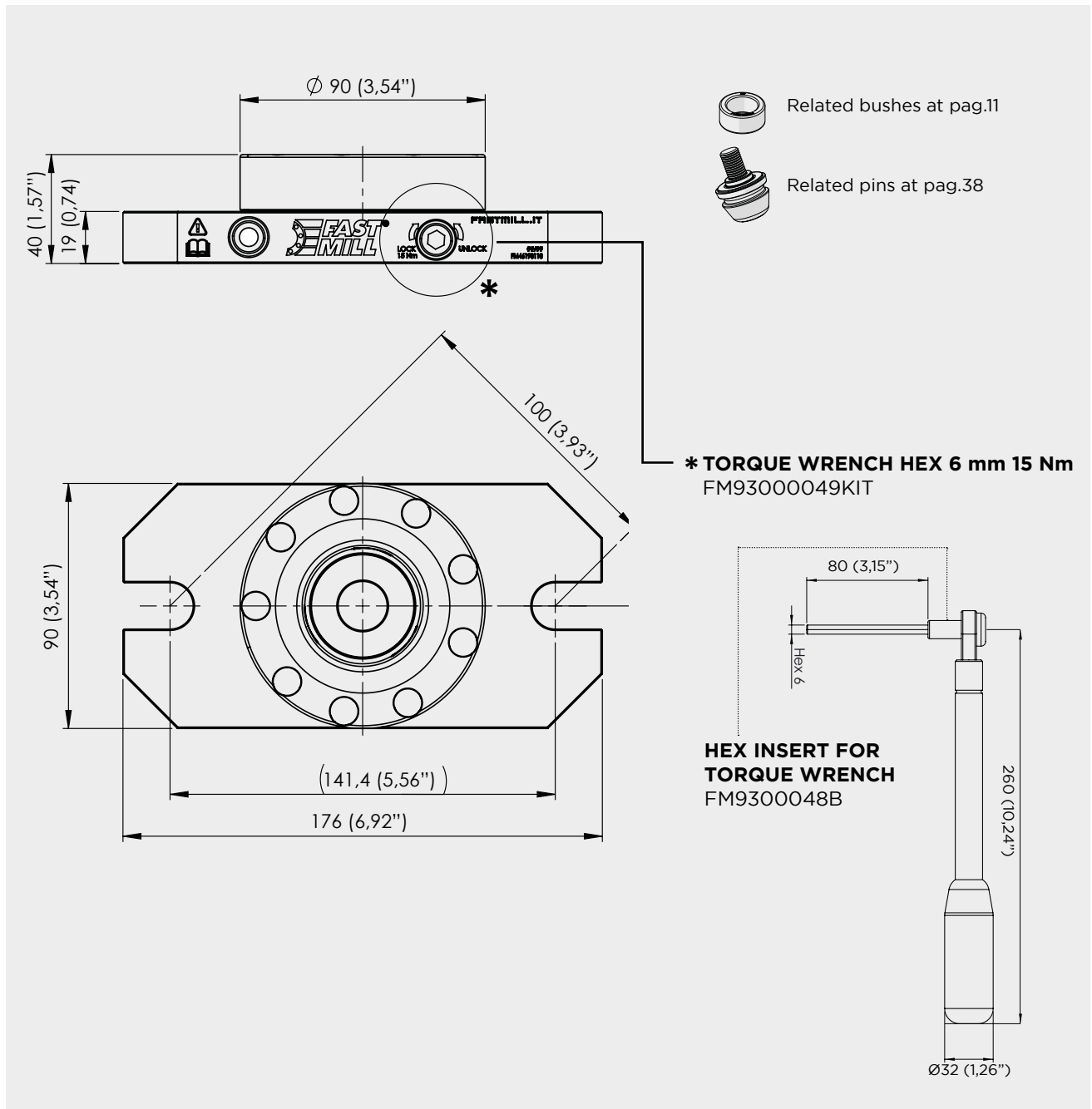


SINGLE MODULE H40

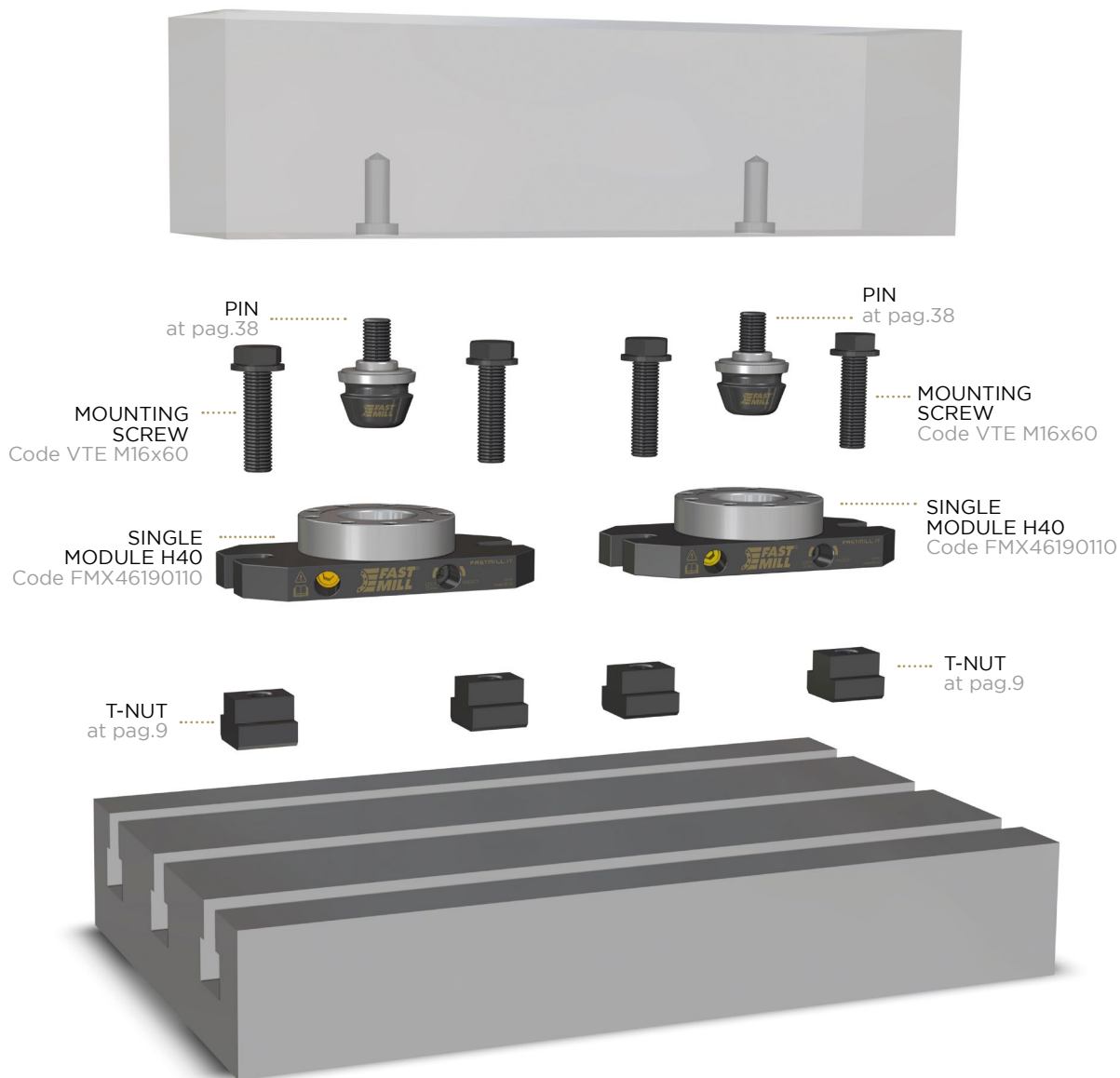
The FastMill H40 module is designed for mixed use in a T-slot as a clamping system or on a plate as a clamping and positioning system. The H40 allows customers to utilize the FastMill system with or without plate.

CODE	DESCRIPTION	DIMENSIONS	Ø	WEIGHT
FMX46190110	Single module H40	40x176 (1,57"x6,92")	90 (3,54")	2,7 (5,95 lbs)

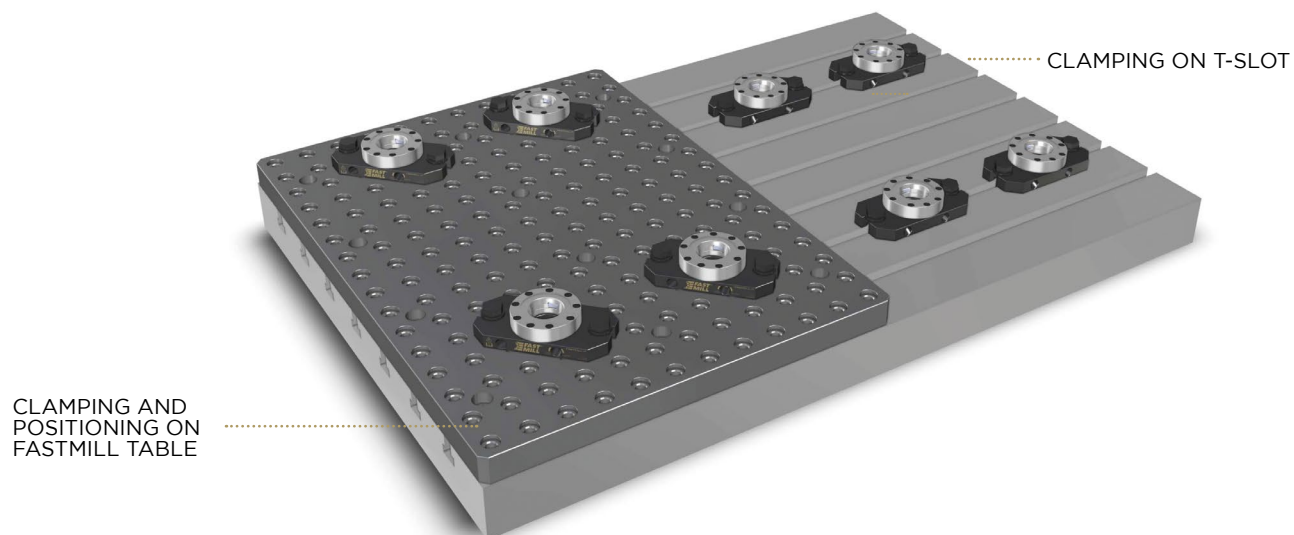
CODE	DESCRIPTION	DIMENSION	TORQUE	WEIGHT
FM93000049KIT	Preset torque wrench hex 6 mm 15 Nm	260 (10,23")	15 Nm	0,5 (11 lbs)
FM9300048B	Hex insert for torque wrench			



SINGLE MODULES H40 COMBINATION EXAMPLE



SINGLE MODULES H40 COMBINATION EXAMPLE





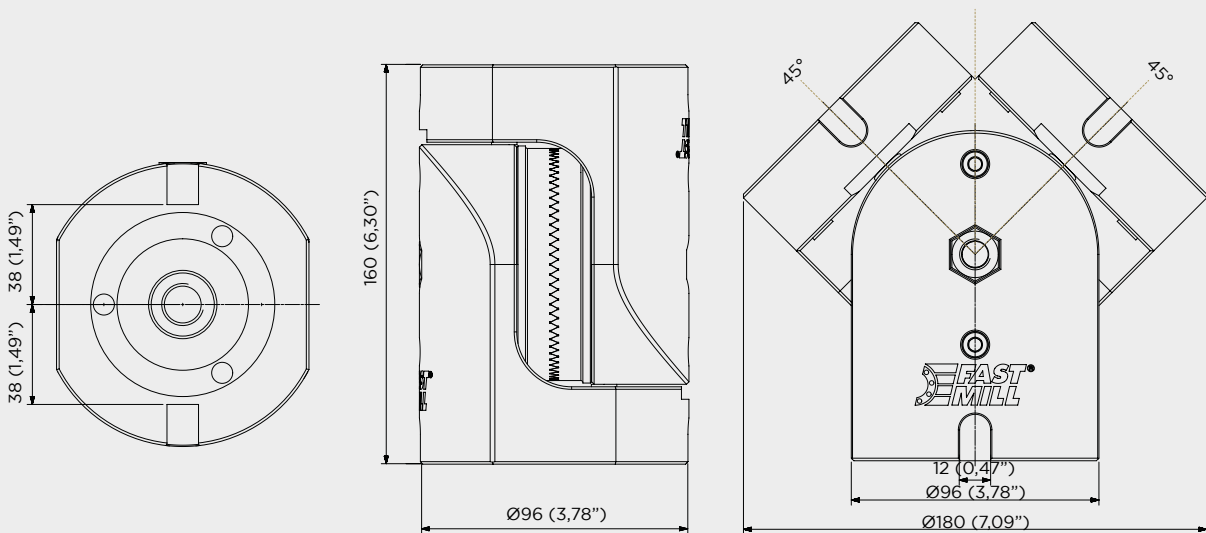
TILTING MODULE WITH 5° HIRTH TILTING MODULE WITH 10° HIRTH

The tilting module with incremental 5° or 10° pitch hirth allows you to convert the set up from 3 to multiple axes without repositioning the workpiece. Compact and extremely rigid, it guarantees maximum clamping dynamics.

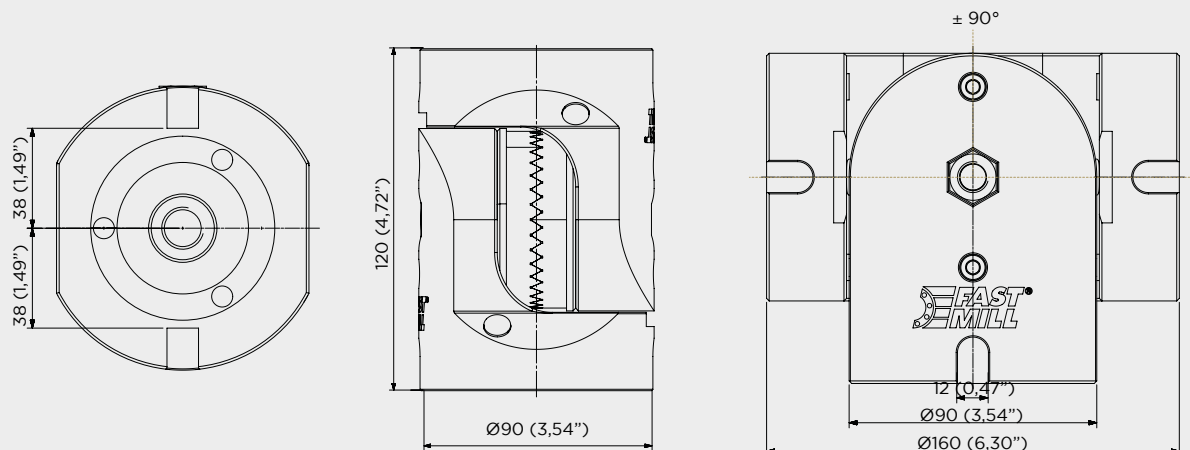
CODE	DESCRIPTION	HEIGHT	Ø	ANGLE	WEIGHT
FMTMSS0590160	Tilting module with 5° hirth	160 (6,29")	96 (3,77")	5°	9,5 kg
FMTMSS1090120	Tilting module with 10° hirth	120 (4,72")	90 (3,54")	10°	4,8 (10,58 lbs)

CODE	DESCRIPTION	DIMENSION	HEIGHT	WEIGHT	PAG.
FMSLIDE030D90	Slide plate for Ø90 module	300x90 (11,81"x3,54")	30 (1,18")	5,1 (11,24 lbs)	44

TILTING MODULE WITH 5° HIRTH

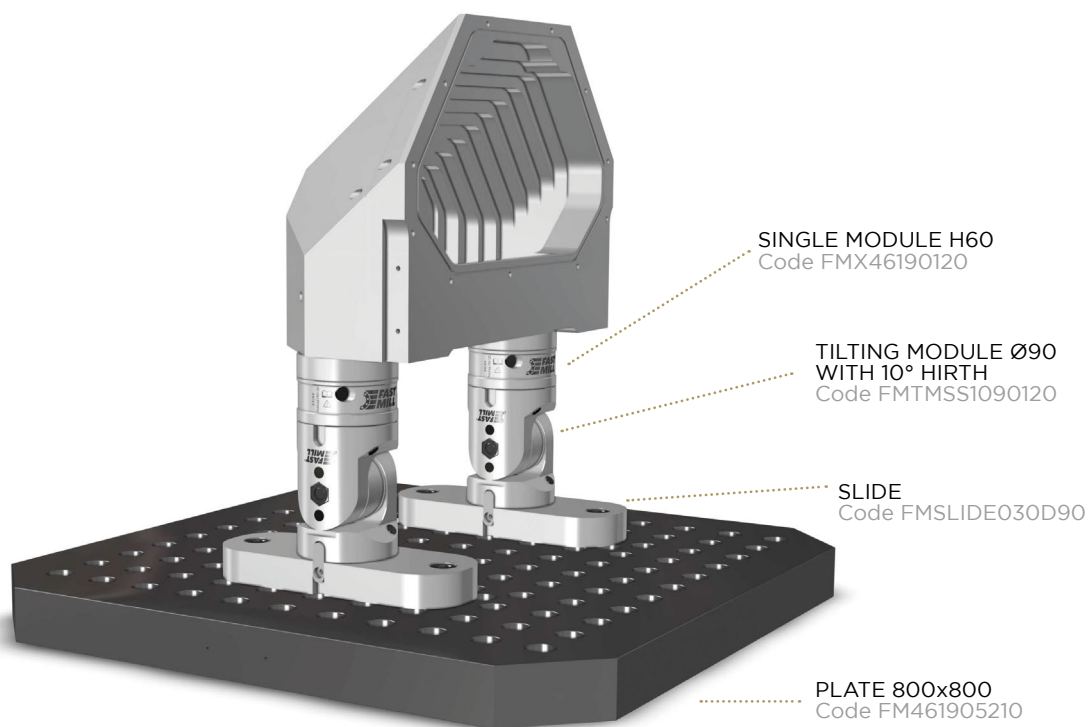


TILTING MODULE WITH 10° HIRTH

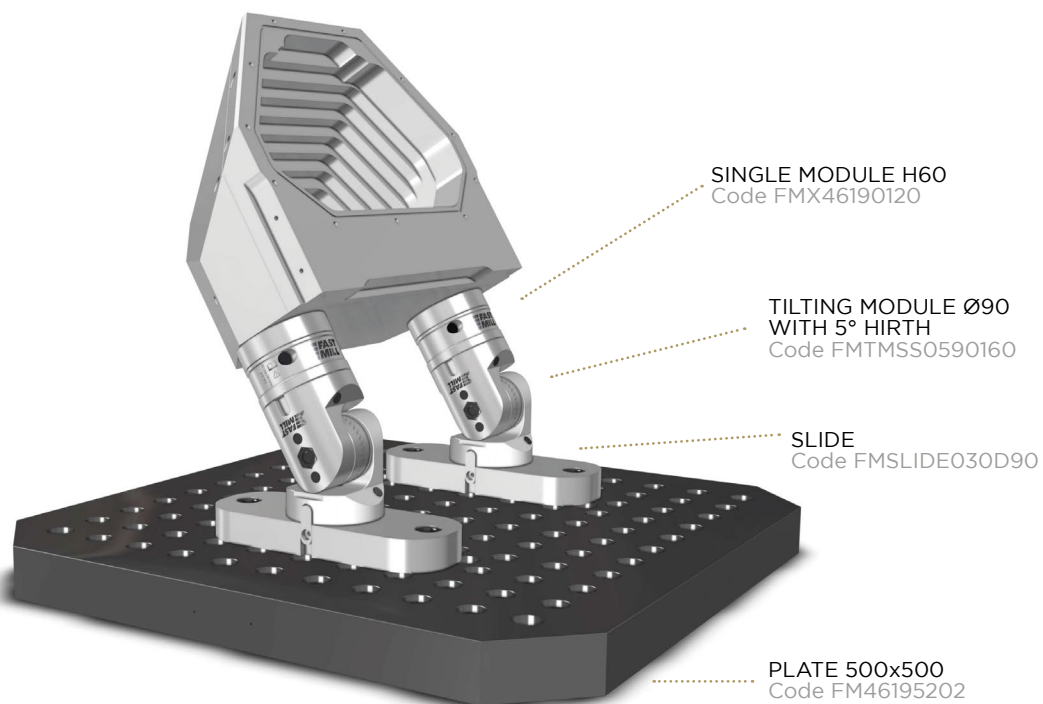


PLATES AND BUSHES
MODULES AND PINS D90
AND PINS D49
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SETUP EXAMPLE 0°



SETUP EXAMPLE 30°



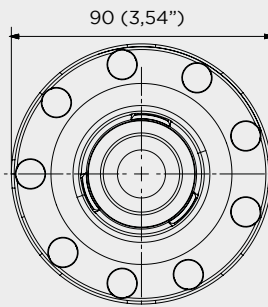
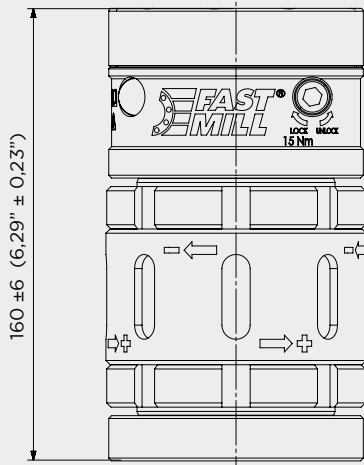


ADJUSTABLE MODULE Ø90

The adjustable FastMill module allows a vertical movement of +/-6mm. It allows you to push and align the workpiece but also to pull it downwards, a condition that is impossible with traditional clamping systems. Featuring a fine pitch M70 thread system, it provides the force you need with the precision you expect.

CODE	DESCRIPTION	HEIGHT	Ø	WEIGHT
FMMSADJ901606	Adjustable module Ø90	160 ± 6 (6,29" ± 0,23")	90 (3,54")	5,1 (11,24 lbs)
FM93000019	Hook wrench 92-95			

EXTRA FINE PITCH 1° = 5µm



HOOK WRENCH 92-95
FM93000019



SETUP EXAMPLE

SINGLE
MODULE H160
Code FMX46190140

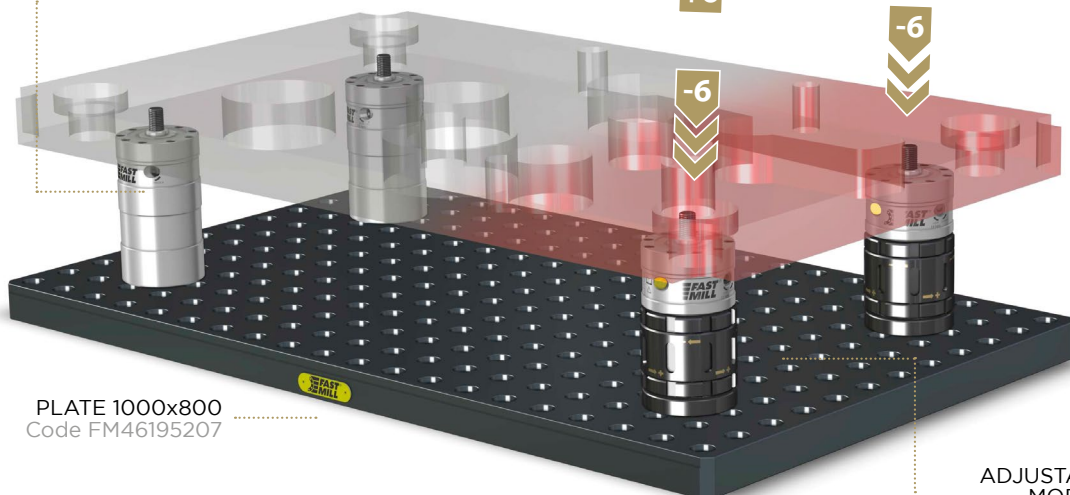


PLATE 1000x800
Code FM46195207

ADJUSTABLE
MODULE
Code FMMSADJ901606

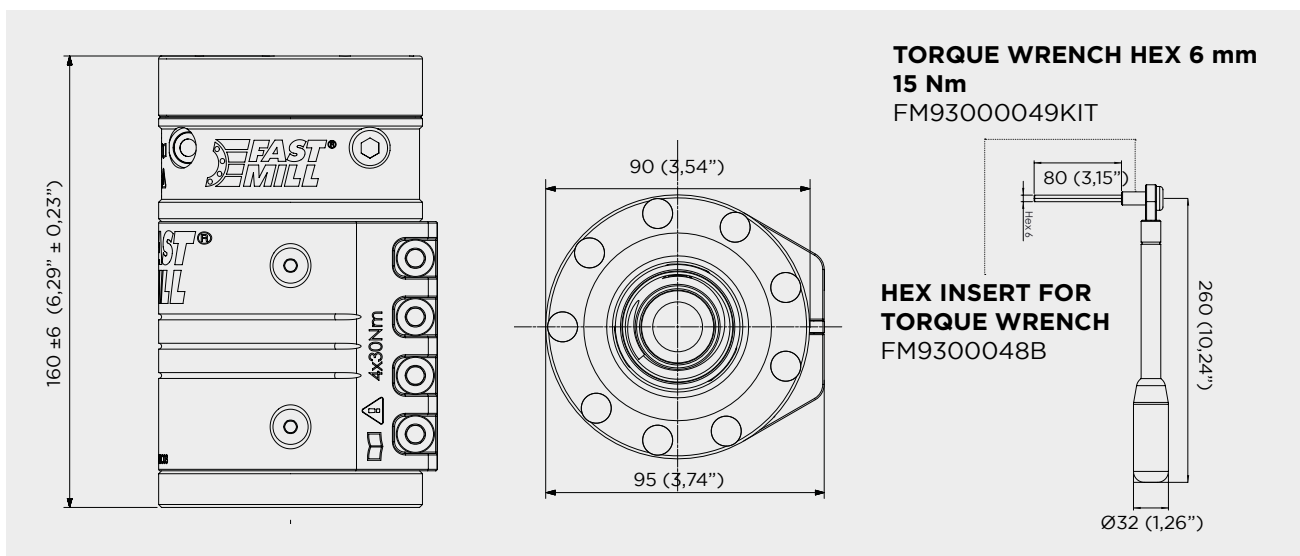


SELF ADJUSTABLE MODULE Ø90

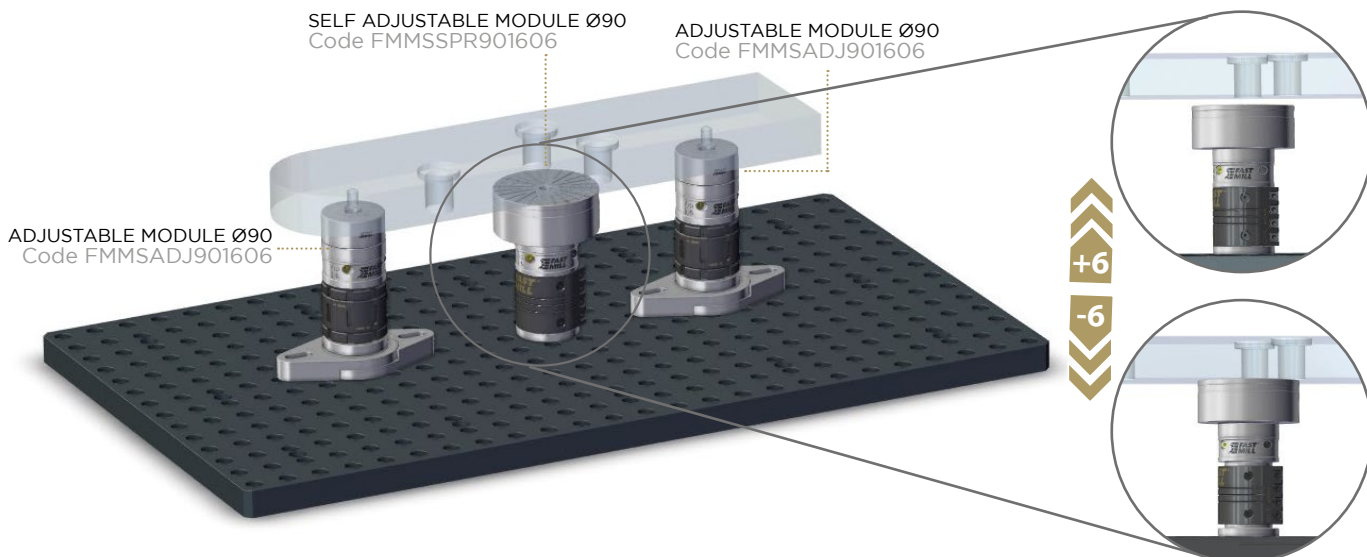
The FastMill self adjustable module allows a vertical support of +/-6 mm, without generating any tension on the piece. In combination with the adjustable module it can follow the deformations of the piece by working the roughing and finishing in the same work operation.

CODE	DESCRIPTION	HEIGHT	Ø	WEIGHT
FMMSSPR901606	Self adjustable module Ø90	160 ± 6 (6,29" ± 0,23")	90 (3,54")	5,1 (11,24 lbs)

CODE	DESCRIPTION	DIMENSION	TORQUE	WEIGHT
FM93000049KIT	Preset torque wrench hex 6 mm 15 Nm	260 (10,23")	15 Nm	0,5 (1 lbs)
FM9300048B	Hex insert for torque wrench			



SETUP EXAMPLE



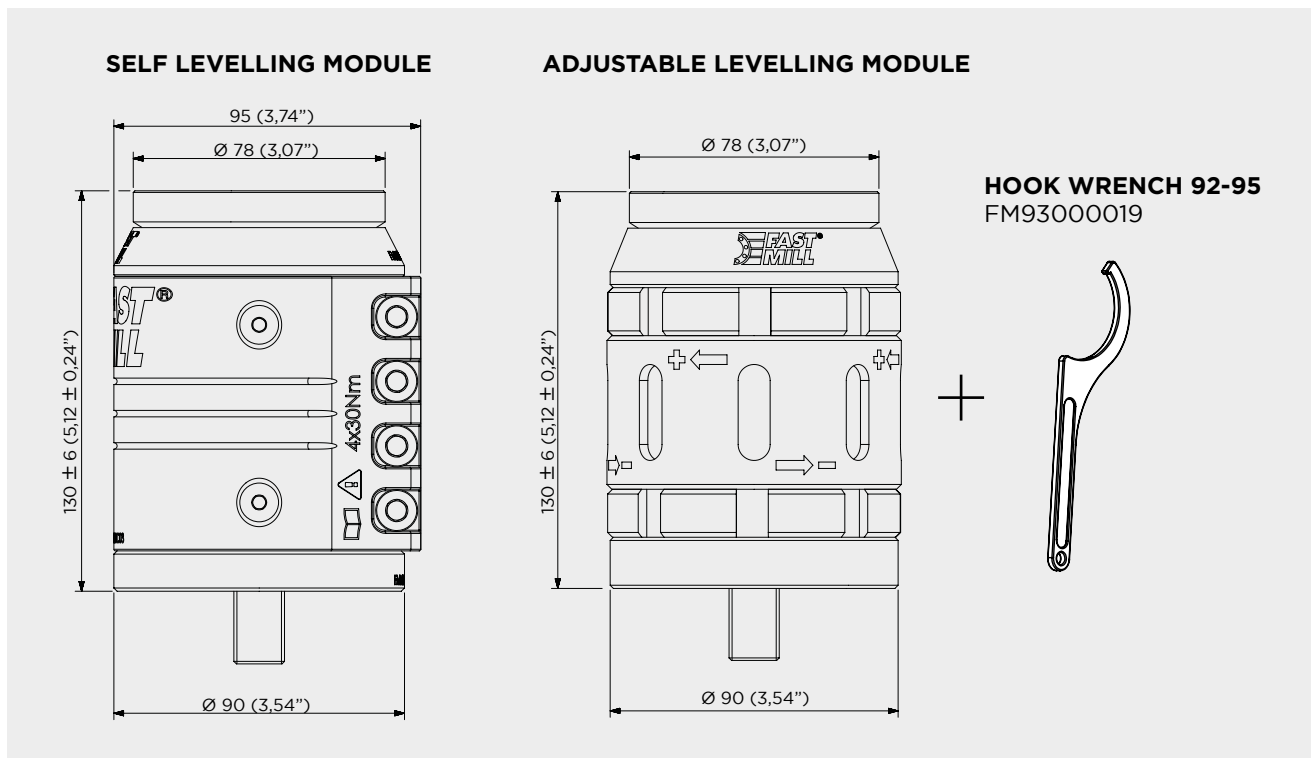


LEVELLING SYSTEM

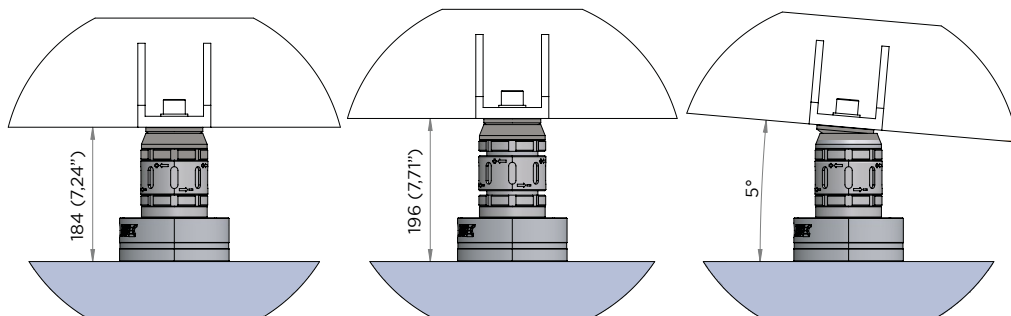
Introducing the new levelling and quick-fixing system, specifically designed for efficient work on structures and benches. This advanced system simplifies setup and adjustments, providing precise leveling and secure fastening.

CODE	DESCRIPTION	HEIGHT	Ø	WEIGHT
FMMLADJ903606	Adjustable levelling module	124 (4,88")	90 (3,54")	4,8 kg (10,58 lbs)
FMMLSPR903606	Self levelling module	124 (4,88")	90 (3,54")	4,8 kg (10,58 lbs)

CODE	DESCRIPTION	DIMENSION	TORQUE	WEIGHT
FM93000019	Hook wrench 92-95			
FM93000049KIT	Torque wrench	260 (10,23")	15 Nm	0,5 (11 lbs)



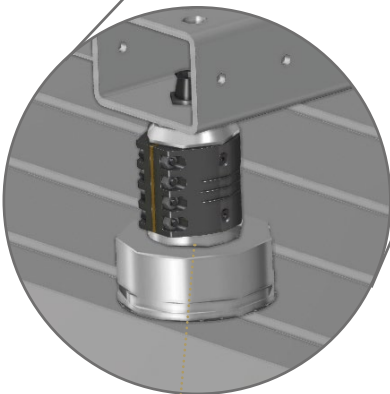
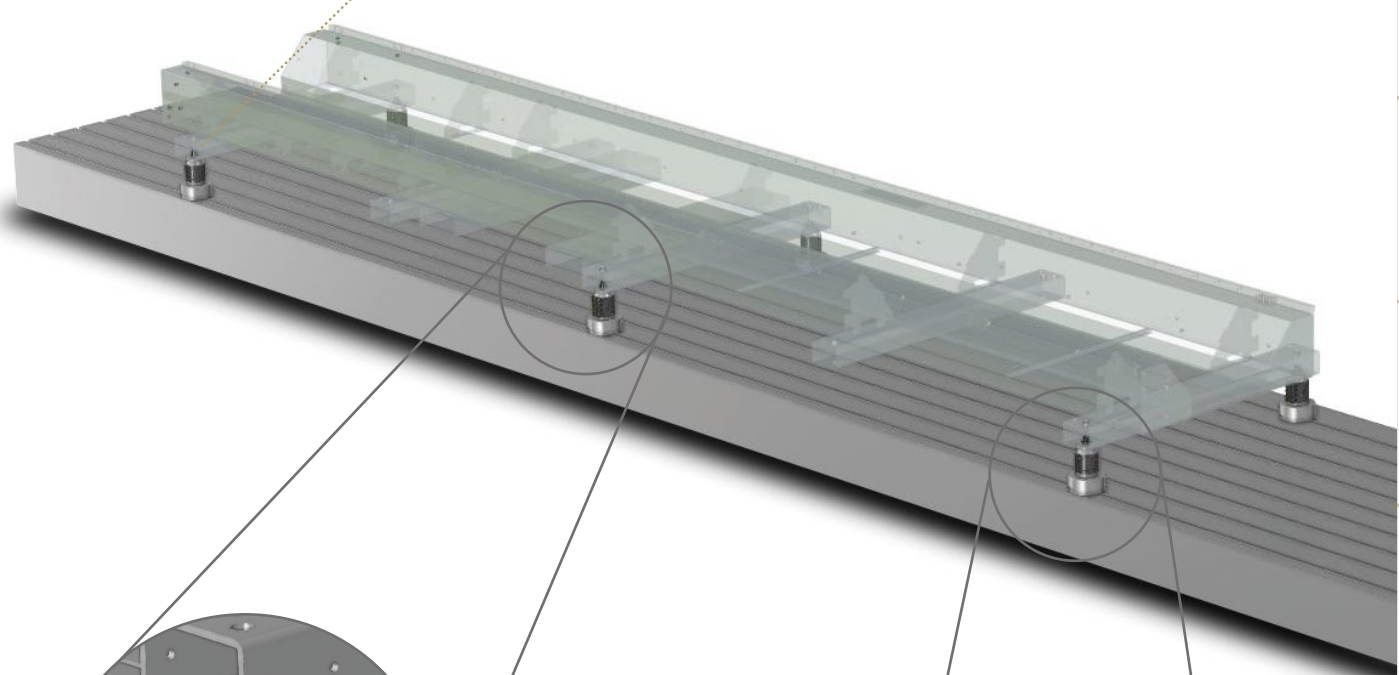
SETUP EXAMPLE



SETUP EXAMPLE

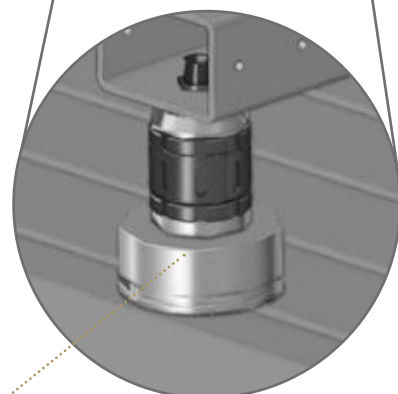
SELF LEVELLY REGISTRATION MODULE
 Code FMMLSPR903606

MAGNETIC MODULE
 Code FM46191660



ADJUSTABLE LEVELLING MODULE
 Code FMMLADJ903606

MAGNETIC MODULE
 Code FM46191660



SELF LEVELLY MODULE
 Code FMMLSPR903606

MAGNETIC MODULE
 Code FM46191660

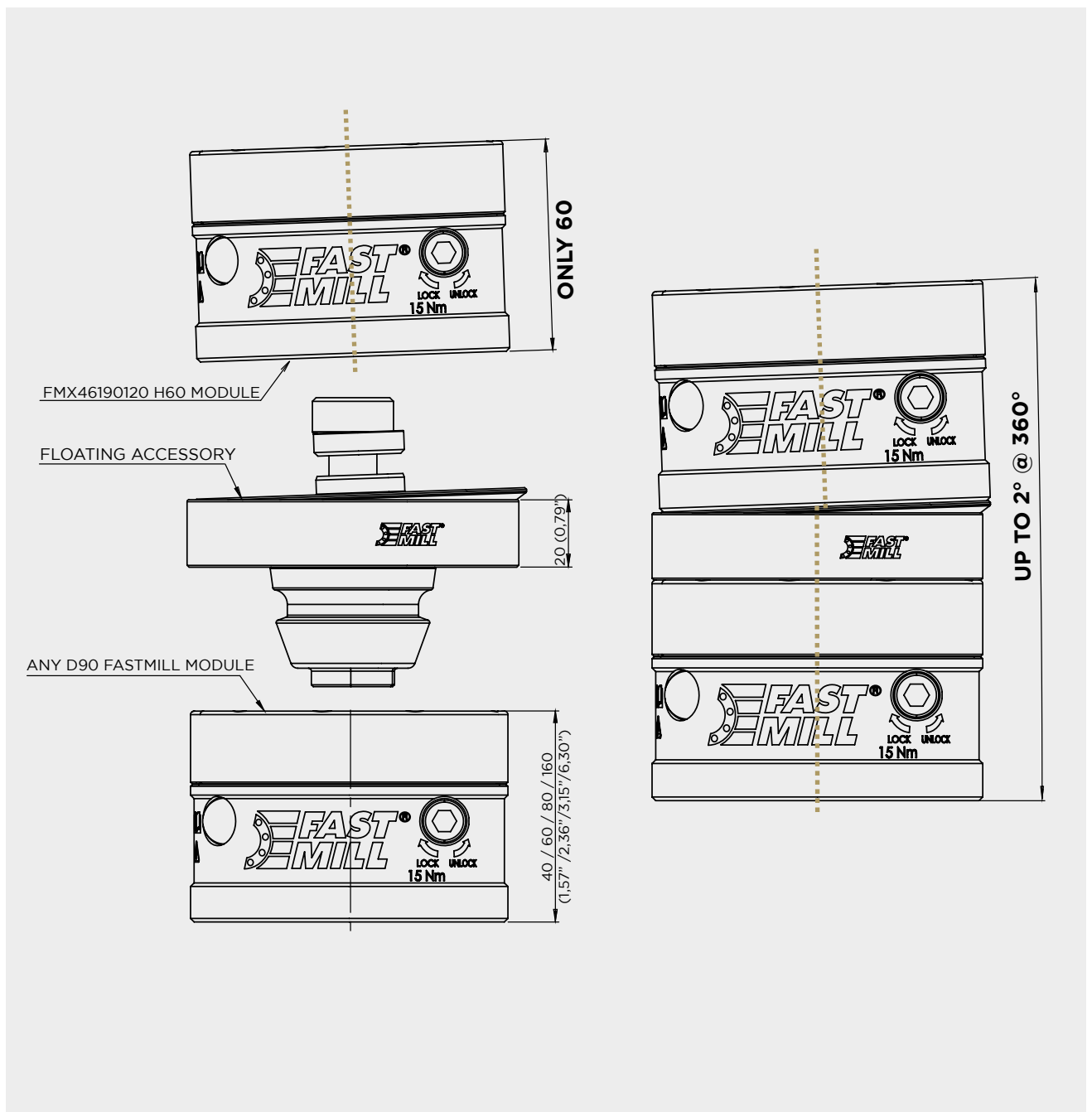
PATENTED



FLOATING ACCESSORY

The new PATENTED FastMill floating accessory allows the orientation of the module up to 2° in each direction. This particular accessory allows the clamping of non-planar workpieces and is also very useful for carpentry structures. Its locking system allows you to maintain the position during machining and, if necessary, by loosening the lower screw it is possible to release the tension of the component and then continue machining. It mounts as an accessory to existing FastMill modules.

CODE	DESCRIPTION	HEIGHT	Ø	ANGLE	WEIGHT
FM46191900	Floating accessory	20 (0,78")	90 (3,54")	Up to 2°	0,5 kg (1,10 lbs)



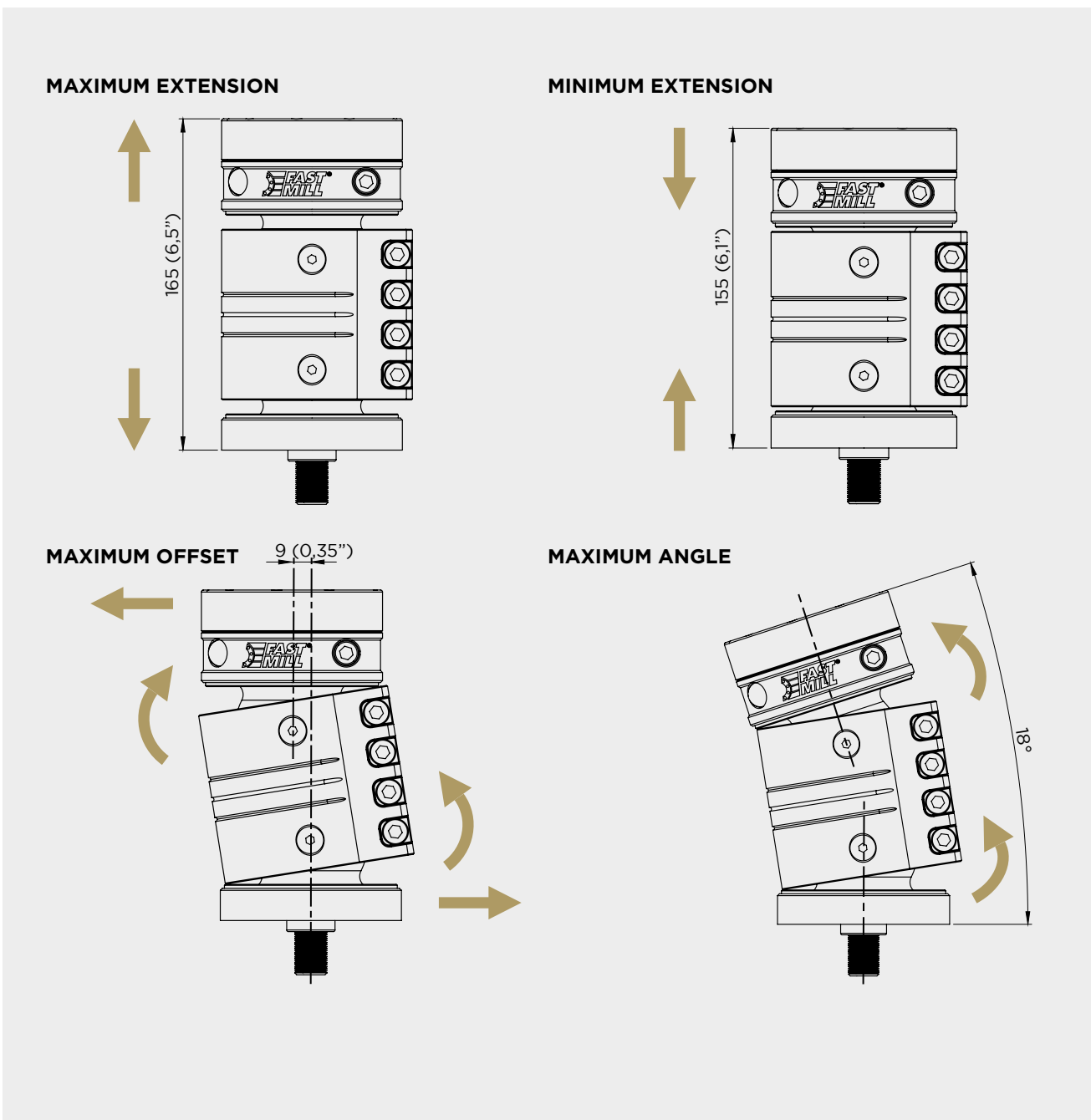
PATENTED



DOUBLE FLOATING MODULE

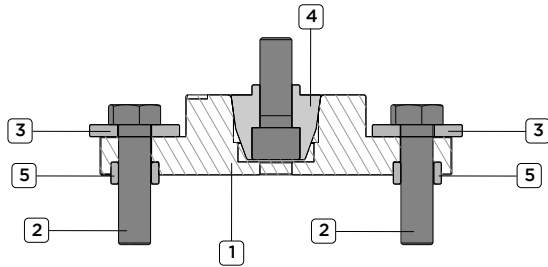
The new PATENTED floating module is designed and created based on specific production needs. It allows you to lock any component, even non-planar or deformed ones, without applying any external force to it, thus guaranteeing its free orientation in space and then allowing it to be solidly locked in the resulting position. It is also possible to accommodate deformations developed during the manufacturing process due to internal tensions of the component or its thermal expansion.

CODE	DESCRIPTION	HEIGHT	Ø	ANGLE	WEIGHT
FMMSDFS903605	Double floating module	165/155 (6,5"/6,1")	90 (3,54")	up to 18°	7,1 Kg (15,65 lbs)



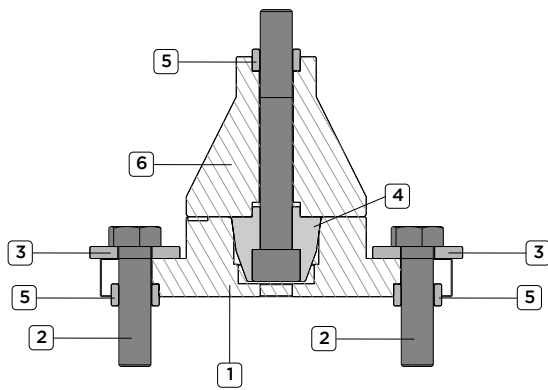
SINGLE MODULE H40 MM FMX46190110 SET UP EXAMPLE

TECHNICAL INFORMATION



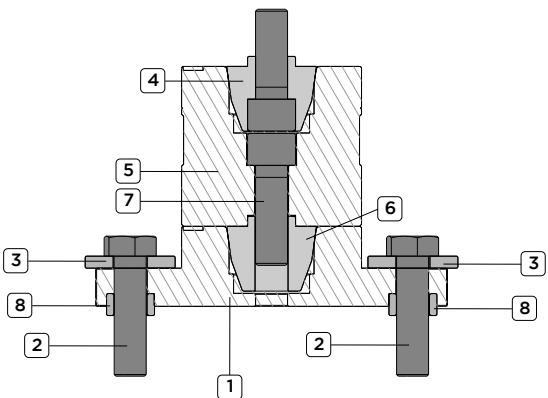
SINGLE MODULE H40 MM ON PLATE OR T-SLOT

- 1 Single module Opt. T-slots - Code FMX46190110
- 2 Hexagon head screw M16x60
- 3 Reducer washer for M16 strengthen screw DIN 6340 AND UNI 6602 A
- 4 Male pin type A M16 Ø24 mm with M16x45 screw - Code FM46191142
- 5 Single centering bush M16 Ø24-24 mm - Code FM46190924



SINGLE MODULE h40 mm ON PLATE OR T-SLOT WITH SPACER

- 1 Single module Opt. T-slots - Code FMX46190110
- 2 Hexagon head screw M16x60
- 3 Reducer washer for M16 strengthen screw DIN 6340 AND UNI 6602 A
- 4 Male pin type A M16 Ø24 mm with M16x45 screw - Code FM46191142
- 5 Single centering bush M16 Ø24-24 mm - Code FM46190924
- 6 Reduction spacer Ø90-40 mm h 60 mm - Code FM46191806



SINGLE MODULE h40 mm ON PLATE OR T-SLOT WITH MODULE h80 mm FMX46190130

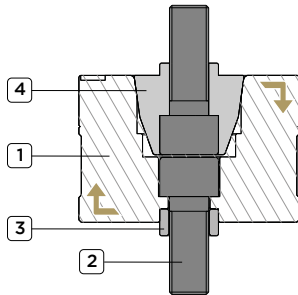
- 1 Single module Opt. T-slots - Code FMX46190110
- 2 Hexagon head screw M16x60
- 3 Reducer washer for M16 strengthen screw DIN 6340 AND UNI 6602 A
- 4 Male pin type A M16 Ø24 mm with M16x45 screw - Code FM46191142
- 5 Single module Ø90 mm h 80 mm - Code FMX46190130
- 6 Female pin type A M16 Ø24 mm - Code FM46191242
- 7 Cylindrical head hexagon socket screw 12.9 (DIN912) M16x50
- 8 Single centering bush M16 Ø24-24 mm - Code FM46190924

PLATES AND BUSHES
 MODULES AND PINS D90
 MODULES AND PINS D49
 SPACERS
 RISERS
 THIRD POINT
 MAGNETIC
 VERTICAL CLAMPING
 MINI RANGE
 FASTMILL ZERO
 CLAMPS

SINGLE MODULE H60 MM FMX46190120 SET UP EXAMPLE

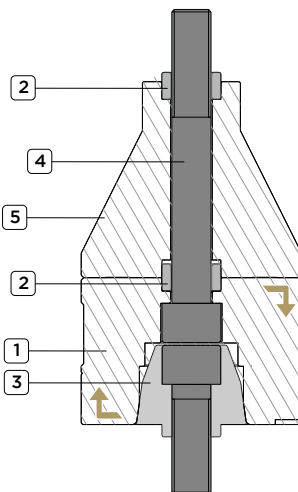


TECHNICAL INFORMATION



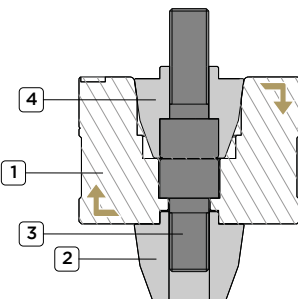
SINGLE MODULE h60 mm ON PLATE OR T-SLOT

- 1 Single module Ø90 mm h60 mm - Code FMX46190120
- 2 Cylindrical head hexagon socket screw 12.9 (DIN912) M16x40
- 3 Single centering bush M16 Ø24-24 mm - Code FM46190924
- 4 Male pin type A M16 Ø24 mm with M16x45 screw - Code FM46191142



SINGLE MODULE h60 mm ON PLATE OR T-SLOT WITH SPACER

- 1 Single module Ø90 mm h60 mm - Code FMX46190120
- 2 Single centering bush M16 Ø24-24 mm - Code FM46190924
- 3 Male pin type A M16 Ø24 mm with M16x45 screw - Code FM46191142
- 4 Cylindrical head hexagon socket screw 12.9 (DIN912) M16x120
- 5 Reduction spacer Ø90-40 mm h 60 mm - Code FM46191806

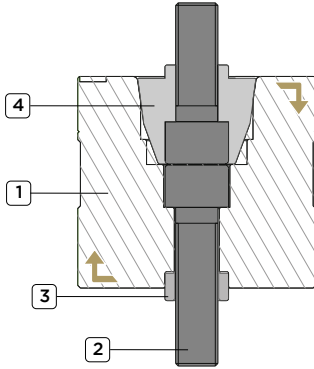


SINGLE MODULE h60 mm ON PLATE OR T-SLOT WITH FEMALE PIN FM46191242

- 1 Single module Ø90 mm h60 mm - Code FMX46190120
- 2 Female pin type A M16 Ø24 mm - Code FM46191242
- 3 Cylindrical head hexagon socket screw 12.9 (DIN912) M16x30
- 4 Male pin type A M16 Ø24 mm with M16x45 screw - Code FM46191142

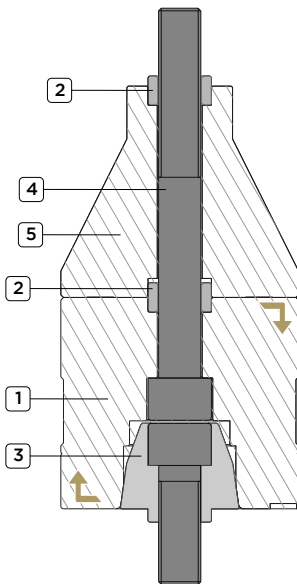
SINGLE MODULE H80 MM FMX46190130 SET UP EXAMPLE

TECHNICAL INFORMATION



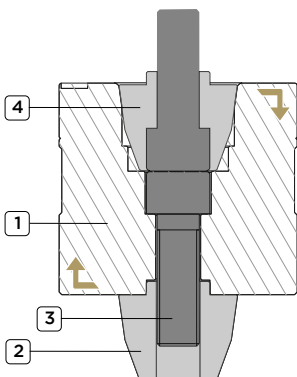
SINGLE MODULE H80 MM ON PLATE OR T-SLOT

- 1 Single module Ø90 mm h80 mm - Code FMx46190130
- 2 Cylindrical head hexagon socket screw 12.9 (DIN912) M16x60
- 3 Single centering bush M16 Ø24-24 mm - Code FM46190924
- 4 Male pin type A M16 Ø24 mm with M16x45 screw - Code FM46191142



SINGLE MODULE H80 MM ON PLATE OR T-SLOT WITH SPACER

- 1 Single module Ø90 mm h80 mm - Code FMx46190130
- 2 Single centering bush M16 Ø24-24 mm - Code FM46190924
- 3 Male pin type A M16 Ø24 mm with M16x45 screw - Code FM46191142
- 4 Cylindrical head hexagon socket screw 12.9 (DIN912) M16x140
- 5 Reduction spacer Ø90-40 mm h 60 mm - Code FM46191806



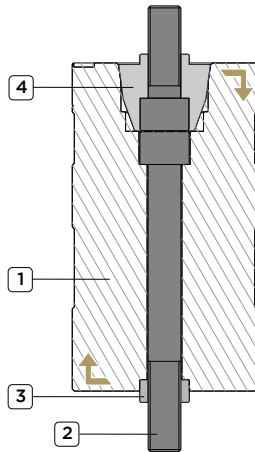
SINGLE MODULE H80 MM ON PLATE OR T-SLOT WITH FEMALE PIN FM46191242

- 1 Single module Ø90 mm h80 mm - Code FMx46190130
- 2 Female pin type A M16 Ø24 mm - Code FM46191242
- 3 Cylindrical head hexagon socket screw 12.9 (DIN912) M16x50
- 4 Male pin type A M16 Ø24 mm with M16x45 screw - Code FM46191142

SINGLE MODULE H160 MM FMX46190140 SET UP EXAMPLE

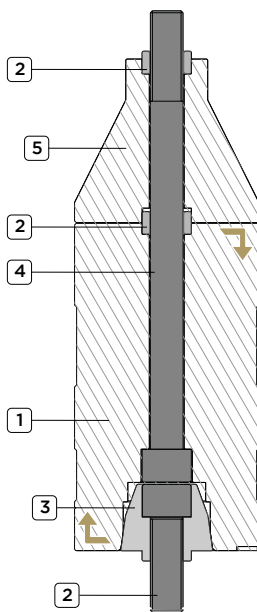


TECHNICAL INFORMATION



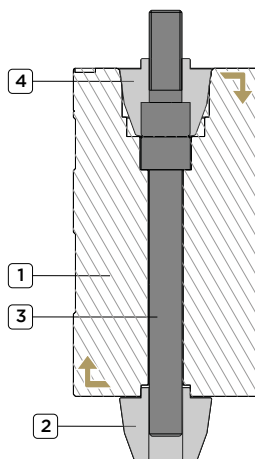
SINGLE MODULE H160 MM ON PLATE OR T-SLOT

- 1 Single module Ø90 mm h160 mm - Code FMX46190140
- 2 Cylindrical head hexagon socket screw 12.9 (DIN912) M16x140
- 3 Single centering bush M16 Ø24-24 mm - Code FM46190924
- 4 Male pin type A M16 Ø24 mm with M16x45 screw - Code FM46191142



SINGLE MODULE H160 MM ON PLATE OR T-SLOT WITH SPACER

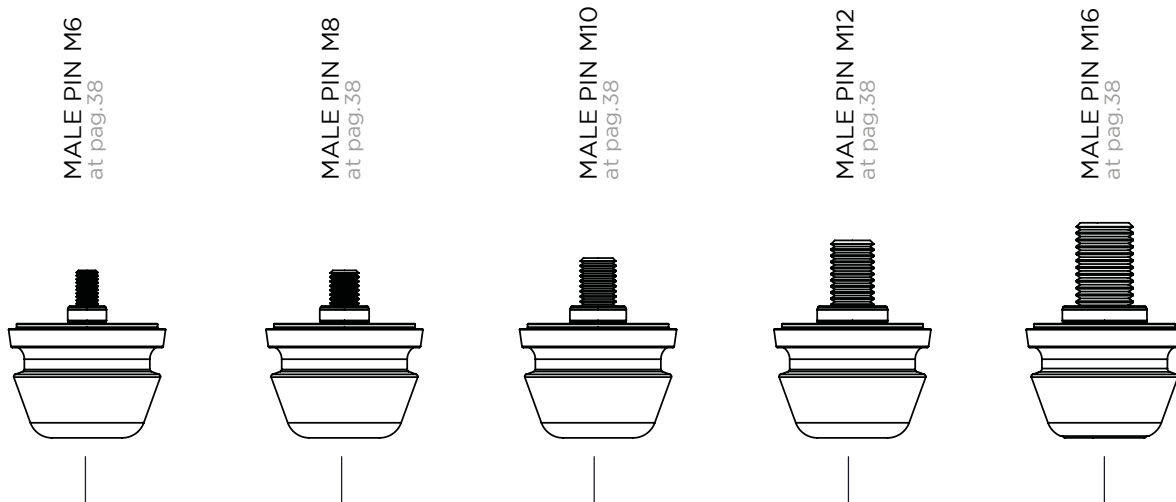
- 1 Single module Ø90 mm h160 mm - Code FMX46190140
- 2 Single centering bush M16 Ø24-24 mm - Code FM46190924
- 3 Male pin type A M16 Ø24 mm with M16x45 screw - Code FM46191142
- 4 Cylindrical head hexagon socket screw 12.9 (DIN912) M16x220
- 5 Reduction spacer Ø90-40 mm h 50 mm - Code FM46191806



SINGLE MODULE H160 MM ON PLATE OR T-SLOT WITH FEMALE PIN FM46191242

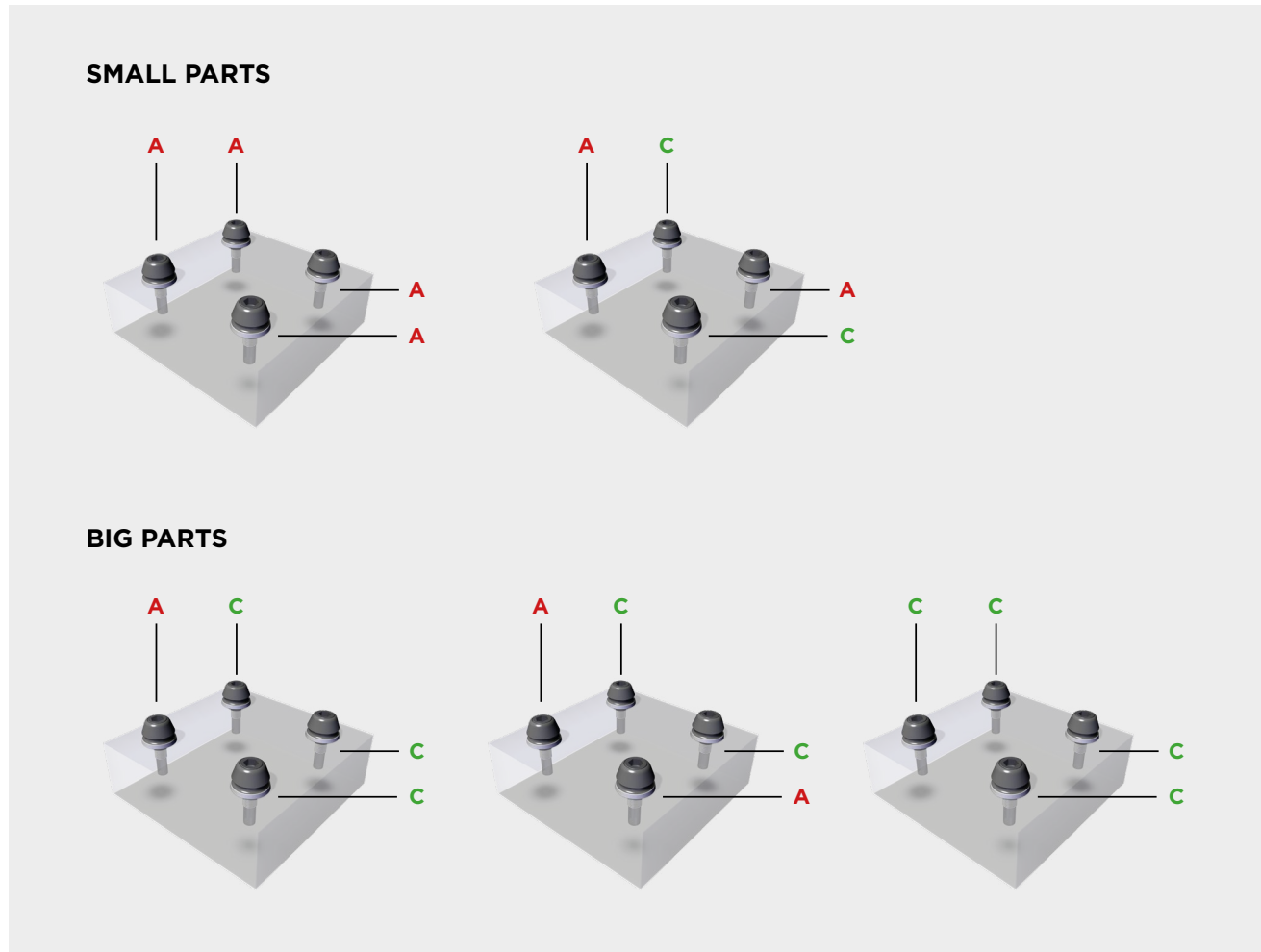
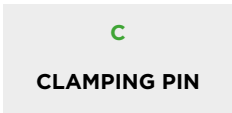
- 1 Single module Ø90 mm h160 mm - Code FMX46190140
- 2 Female pin type A M16 Ø24 mm - Code FM46191242
- 3 Cylindrical head hexagon socket screw 12.9 (DIN912) M16x130
- 4 Male pin type A M16 Ø24 mm with M16x45 screw - Code FM46191142

SINGLE MODULE Ø90 ASSEMBLY EXAMPLE

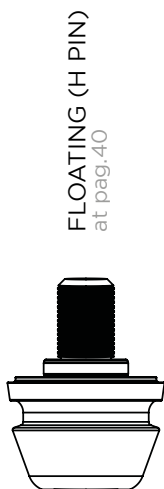


TECHNICAL INFORMATION

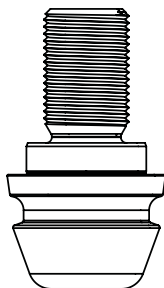
Clamping and positioning of fixture and/or workpiece are achieved through the clamping pins. Type A is used for centering and clamping, type C only for clamping.



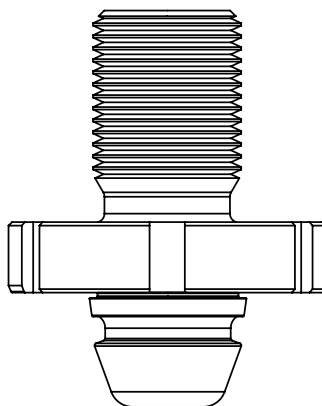
PLATES AND BUSHES
MODULES AND PINS D90
MODULES AND PINS D49
SPACERS
RISERS
THIRD POINT
MAGNETIC
VERTICAL CLAMPING
MINI RANGE
FASTMILL ZERO
CLAMPS



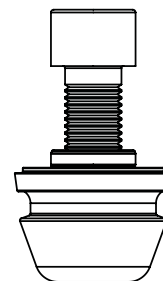
FLOATING (H PIN)
at pag.40



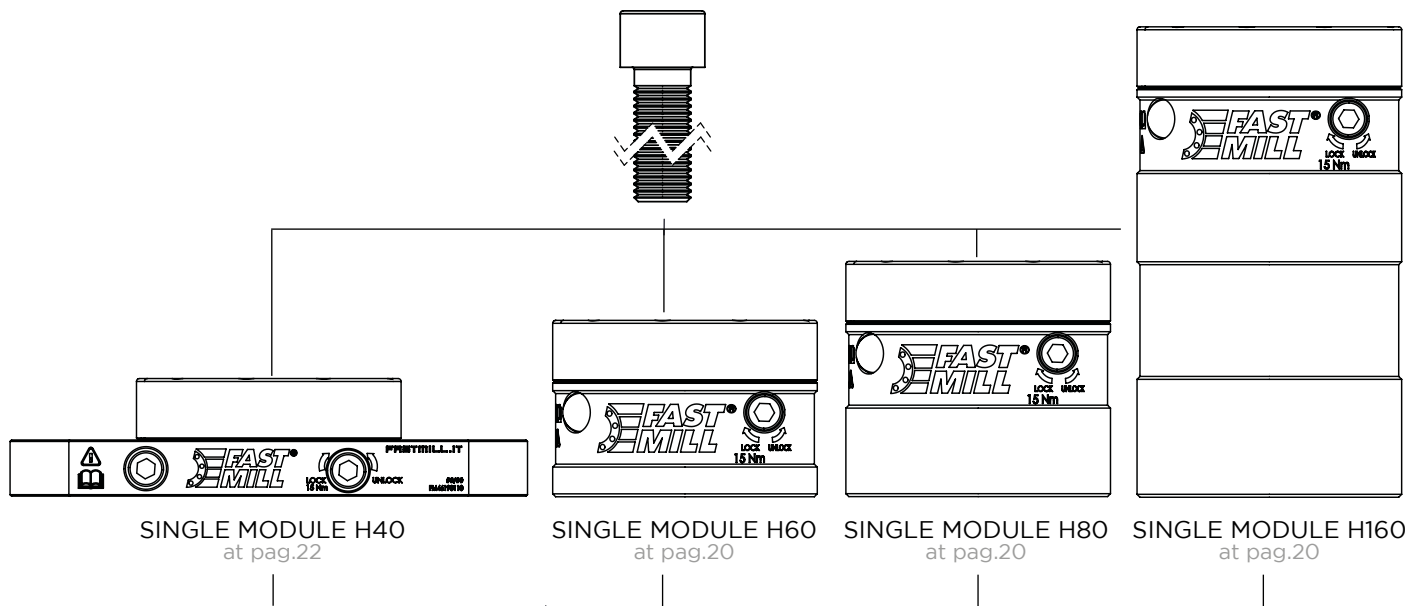
INTEGRAL PIN M24
at pag.39



M30X3,5
M64X6
at pag.42



FEMALE PIN M12/M16
at pag.39



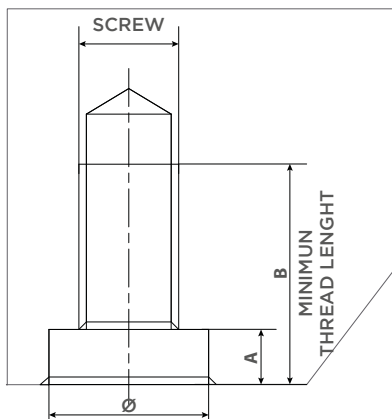
SINGLE MODULE H40
at pag.22

SINGLE MODULE H60
at pag.20

SINGLE MODULE H80
at pag.20

SINGLE MODULE H160
at pag.20

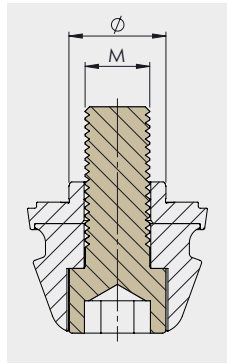
BUSHINGS
at pag.11



STANDARD AND MINI RANGE WORKPIECE PREPARATION

SCREW	Ø	A	B (STEEL)	B (CAST IRON/ALLOY)
M6	10-11 mm H6	7 mm	16 mm	20 mm
M8	12-14 mm H6	7 mm	20 mm	27 mm
M10	14-16 mm H6	7 mm	22 mm	29 mm
M12	18-20 mm H6	7 mm	26 mm	32 mm
M12 *	18-20 mm H6	9,5 mm	26 mm	32 mm
M16	22-24 mm H6	7 mm	32 mm	40 mm
M24	34-36 mm H6	10 mm	48 mm	60 mm

* For FMZ pin.



MALE PIN FOR SINGLE MODULE Ø90

The male pins for D90 modules are a concentration of technology expressed in the smartest way possible. The rugged pre-centering body of the pin absorbs shock and pre-centers the workpiece with the module, while protecting the overlying centering ring ensuring mating accuracy. Finally, the commercial standard screw holds everything to the workpiece and can be swapped out in a flash to change your clamping setup. Available type A for clamping and positioning and type C for clamping with a slight freedom in positioning.

A = CENTERING AND CLAMPING **C = CLAMPING**



Screw 12.9 (DIN912) included.

M6 MALE PIN FOR SINGLE MODULE Ø90

CODE	DESCRIPTION	M	Ø	TYPE
FM46191105	Male pin	M6	10 (0,39")	A
FM46193105	Male pin	M6	10 (0,39")	C
FM46191106	Male pin	M6	11 (0,43")	A
FM46193106	Male pin	M6	11 (0,43")	C

M8 MALE PIN FOR SINGLE MODULE Ø90

CODE	DESCRIPTION	M	Ø	TYPE
FM46191107	Male pin	M8	12 (0,47")	A
FM46193107	Male pin	M8	12 (0,47")	C
FM46191108	Male pin	M8	14 (0,55")	A
FM46193108	Male pin	M8	14 (0,55")	C

M10 MALE PIN FOR SINGLE MODULE Ø90

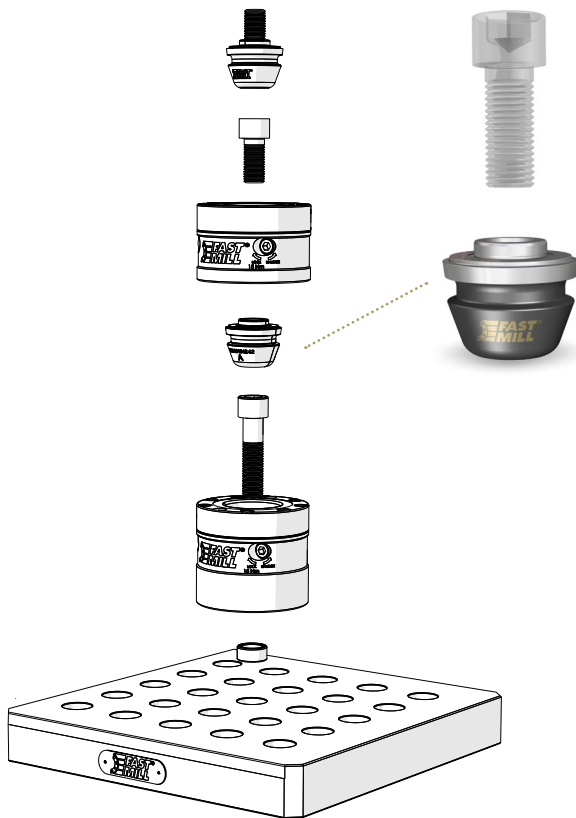
CODE	DESCRIPTION	M	Ø	TYPE
FM46191109	Male pin	M10	14 (0,55")	A
FM46193109	Male pin	M10	14 (0,55")	C
FM46191110	Male pin	M10	16 (0,62")	A
FM46193110	Male pin	M10	16 (0,62")	C

M12 MALE PIN FOR SINGLE MODULE Ø90

CODE	DESCRIPTION	M	Ø	TYPE
FM46191111	Male pin	M12	18 (0,70")	A
FM46193111	Male pin	M12	18 (0,70")	C
FM46191121	Male pin	M12	20 (0,78")	A
FM46193121	Male pin	M12	20 (0,78")	C
FM46191131	Male pin	M12	24 (0,94")	A
FM46193131	Male pin	M12	24 (0,94")	C
FM46191141	Male pin	M12	25 (0,98")	A
FM46193141	Male pin	M12	25 (0,98")	C

M16 MALE PIN FOR SINGLE MODULE Ø90

CODE	DESCRIPTION	M	Ø	TYPE
FM46191132	Male pin	M16	22 (0,86")	A
FM46193132	Male pin	M16	22 (0,86")	C
FM46191142	Male pin	M16	24 (0,94")	A
FM46193142	Male pin	M16	24 (0,94")	C
FM46191143	Male pin	M16	25 (0,98")	A
FM46193143	Male pin	M16	25 (0,98")	C

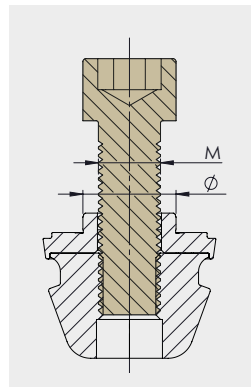


FEMALE PIN FOR SINGLE MODULE Ø90

Female pin with threaded body, with identical characteristics to the male pin. This concept allows the fixing of a screw from above. Used for clamping on workpieces with reduced thickness (where it would not be possible to thread) or for assembling one module on top of the other.

A = CENTERING AND CLAMPING **C = CLAMPING**

Screw not included.

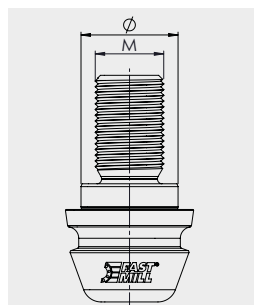


M12 FEMALE PIN FOR SINGLE MODULE Ø90

CODE	DESCRIPTION	M	Ø	TYPE
FM46191211	Female pin	M12	18 (0,70")	A
FM46193211	Female pin	M12	18 (0,70")	C
FM46191221	Female pin	M12	20 (0,78")	A
FM46193221	Female pin	M12	20 (0,78")	C

M16 FEMALE PIN FOR SINGLE MODULE Ø90

CODE	DESCRIPTION	M	Ø	TYPE
FM46191232	Female pin	M16	22 (0,86")	A
FM46193232	Female pin	M16	22 (0,86")	C
FM46191242	Female pin	M16	24 (0,94")	A
FM46193242	Female pin	M16	24 (0,94")	C



INTEGRAL PIN M24

The integral pin M24 has been designed for extremely heavy use, thus covering the entire range of machining. Available type A for clamping and centering or type C for clamping with a slight freedom of positioning.

A = CENTERING AND CLAMPING **C = CLAMPING**

M24 INTEGRAL PIN FOR SINGLE MODULE Ø90

CODE	DESCRIPTION	M	Ø	TYPE
FM46191162	Integral Pin	M24	34 (1,33")	A
FM46191164	Integral Pin	M24	34 (1,33")	C
FM46191163	Integral Pin	M24	36 (1,33")	A
FM46191165	Integral Pin	M24	36 (1,33")	C

PATENTED



FLOATING PIN (H PIN)

The patented H pin is a system created by FastMill that allows clamping on workpieces offering a limited degree of deformation on the face in contact with the FastMill modules.

H pin, utilizing the sliding and tilting design, allows workpieces to be machined after hardening without the need to make further clamping holes by simply enlarging the centering counterbore.

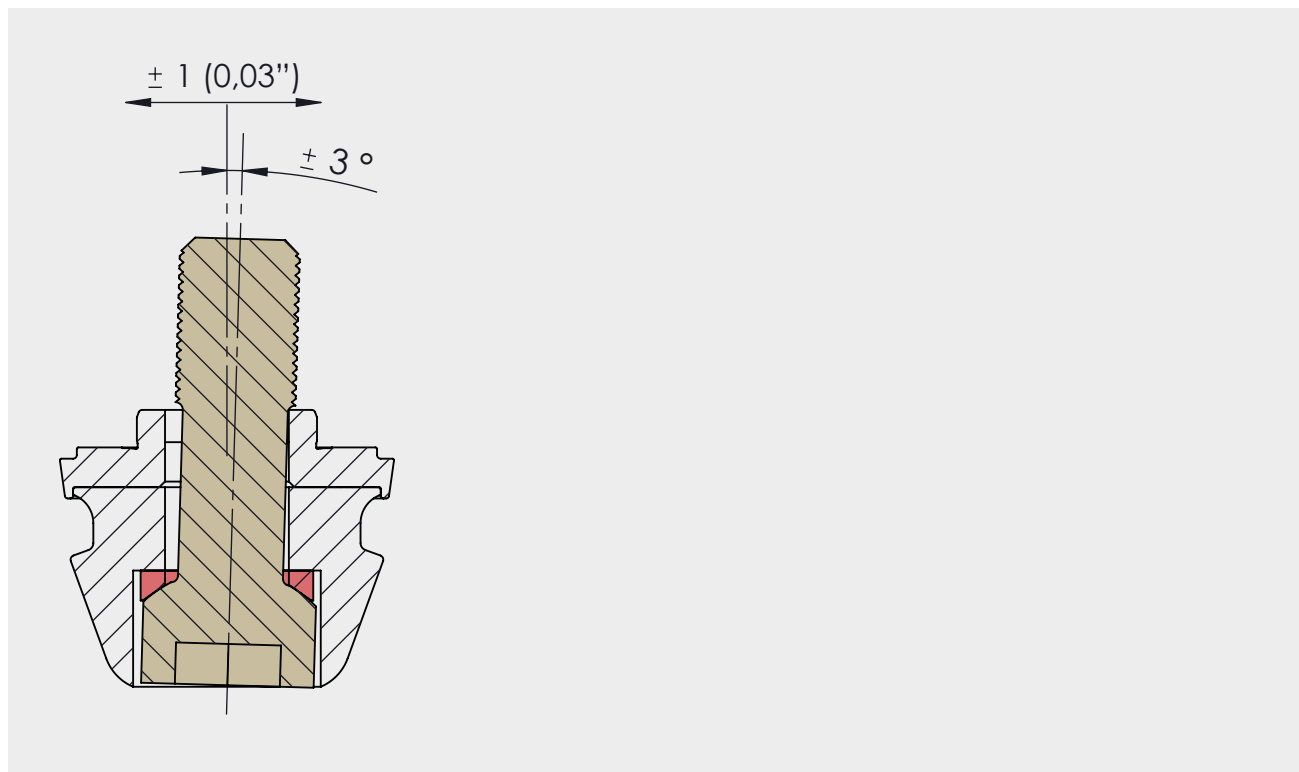
A = CENTERING AND CLAMPING **C = CLAMPING**

M12 FLOATING PIN

CODE	DESCRIPTION	M	Ø	TYPE
FM46191411	Floating Pin	M12	18 (0,70")	A
FM46193411	Floating Pin	M12	18 (0,70")	C
FM46191421	Floating Pin	M12	20 (0,78")	A
FM46193421	Floating Pin	M12	20 (0,78")	C

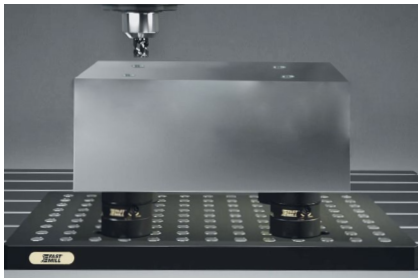
M16 FLOATING PIN

CODE	DESCRIPTION	M	Ø	TYPE
FM46191442	Floating Pin	M16	24 (0,94")	A
FM46193442	Floating Pin	M16	24 (0,94")	C

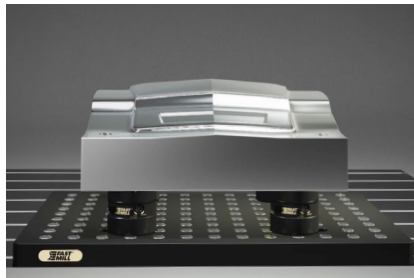
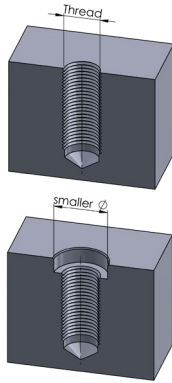


PATENTED

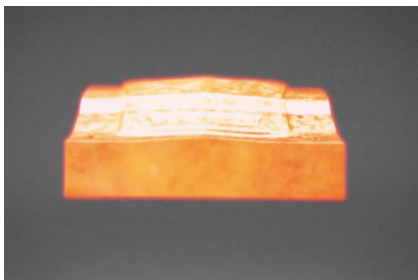
RE-MACHINING PROCESS OF THE COUNTERBORES TO COMPENSATE FOR DISTORTION OF THE PART.



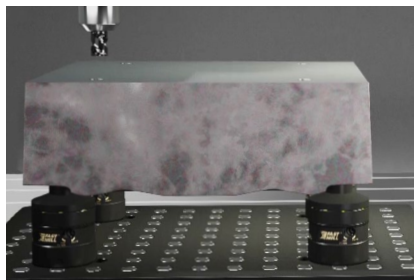
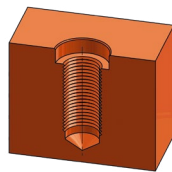
1: MACHINING COUNTERBORES (SMALLER Ø) EX. M16 Ø22



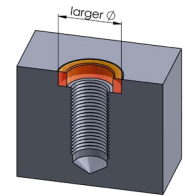
2: ROUGHING



3: HEAT TREATMENT

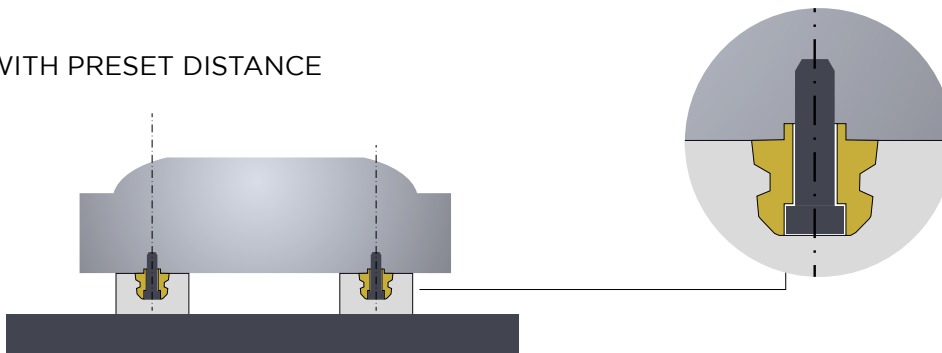


4: ENLARGING HOLES (LARGER Ø) EX. M16 Ø24

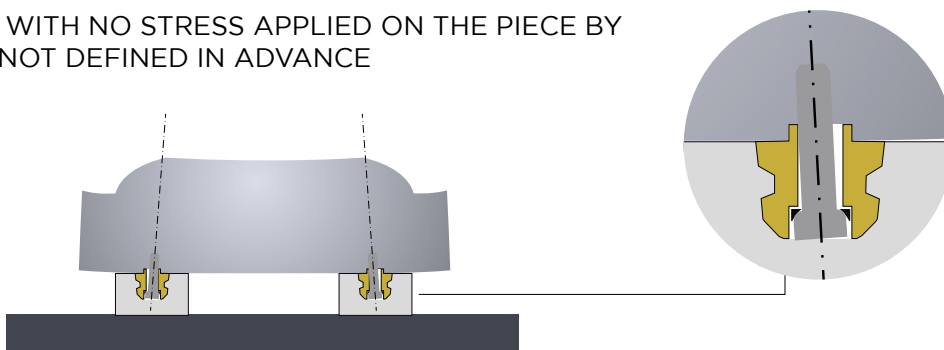


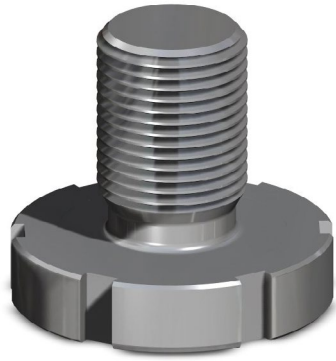
FLOATING PIN (H PIN): INNOVATIVE SOLUTION FOR WORKPIECE RE-POSITIONING WITH NO STRESS APPLIED ON THE PIECE.

CLAMPING WITH PRESET DISTANCE



CLAMPING WITH NO STRESS APPLIED ON THE PIECE BY DISTANCE NOT DEFINED IN ADVANCE

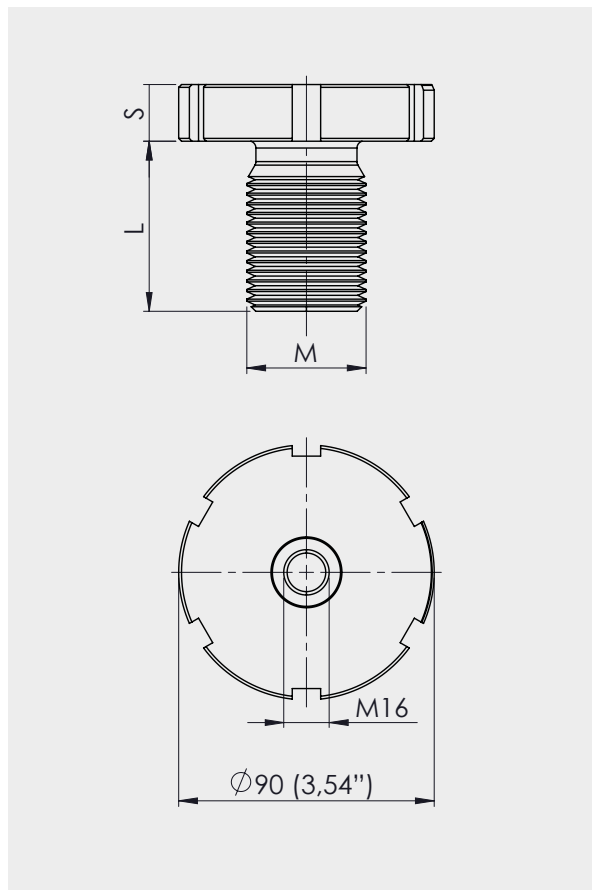




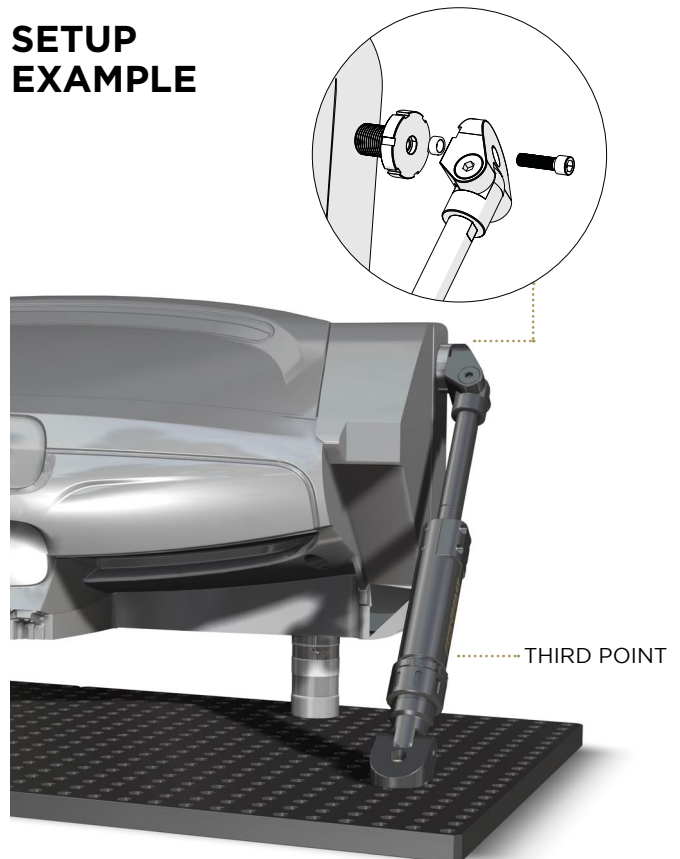
ADAPTER M20 > M64 FOR CLAMPING ON EXISTING LIFTING HOLES

FastMill adapter is used directly on the workpiece lifting holes for fixing our clamping systems where it is not possible to perform any type of machining to house the pins. The available threads cover the main lifting eye range. On the face opposite the thread there is a standard FastMill interface with M16 hole and D24 counterbore.

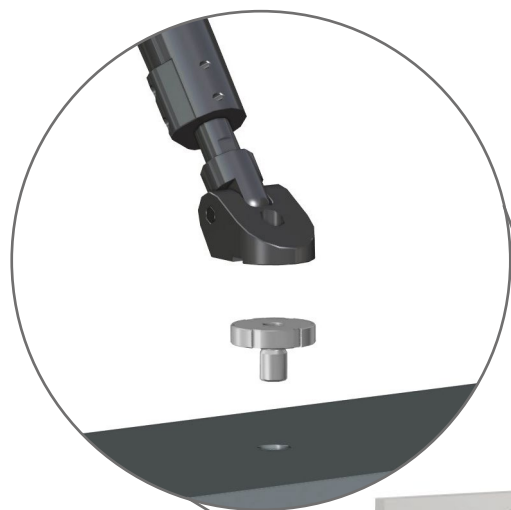
CODE	DESCRIPTION	M	S	L	WEIGHT
FM93000043	Adapter	M20x2,5	45	30 (1,18")	2,14 (4,72 lbs)
FM93000028	Adapter	M24x3	45	35 (1,37")	2,19 (4,83 lbs)
FM93000010	Adapter	M30x3,5	20	40 (1,57")	1,10 (2,43 lbs)
FM93000023	Adapter	M36x3	20	50 (1,96")	1,27 (2,80 lbs)
FM93000011	Adapter	M36x4	20	50 (1,96")	1,27 (2,80 lbs)
FM93000024	Adapter	M42x3	20	60 (2,36")	1,53 (3,37 lbs)
FM93000012	Adapter	M42x4,5	20	60 (2,36")	1,50 (3,31 lbs)
FM93000025	Adapter	M48x3	20	70 (2,75")	1,87 (4,12 lbs)
FM93000013	Adapter	M48x5	20	70 (2,75")	1,84 (4,06 lbs)
FM93000014	Adapter	M56x5,5	20	80 (3,14")	2,36 (5,20 lbs)
FM93000015	Adapter	M64x6	20	90 (3,54")	3,06 (6,75 lbs)



SETUP EXAMPLE

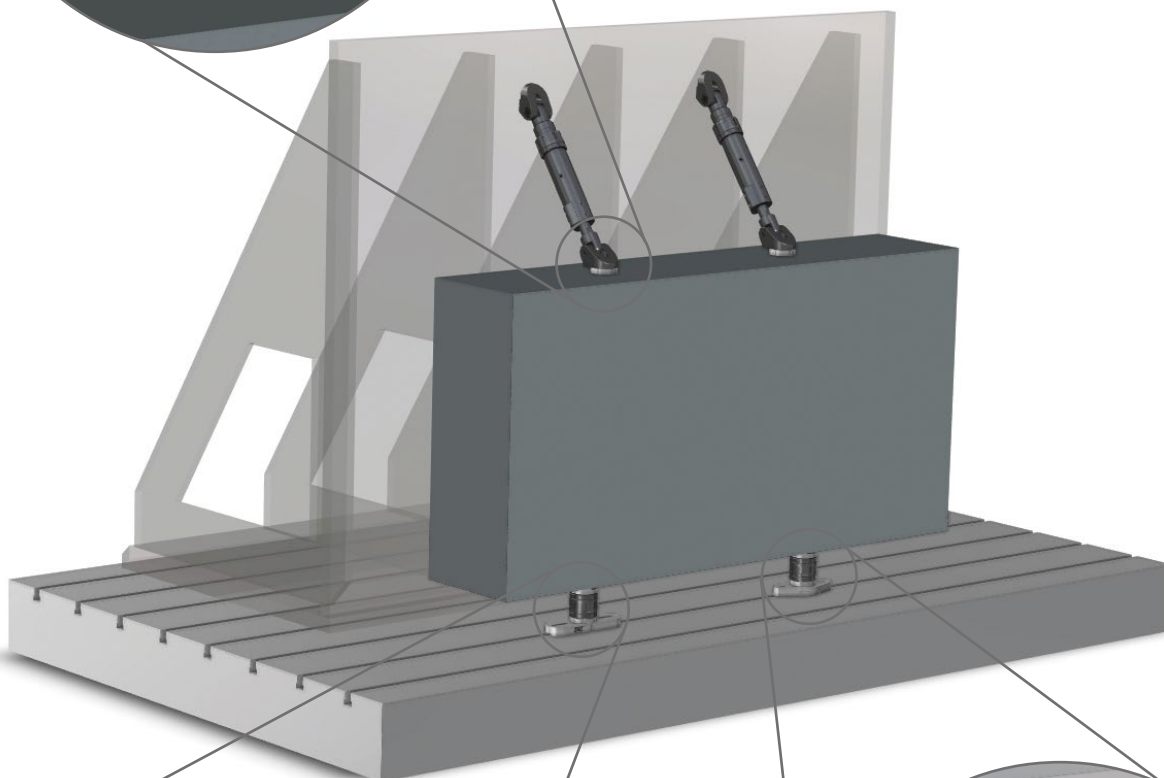


SETUP EXAMPLE



THIRD POINT
 Code FM46191600

ADAPTER M20 > M64
 Code FM93000010



ADJUSTABLE MODULE
 Code FMMSADJ901606

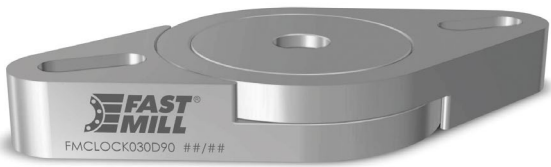
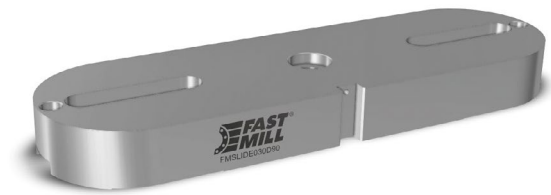
SLIDE PLATE FOR Ø90 MODULE
 Code FMSLIDE030D90



ADJUSTABLE MODULE
 Code FMMSADJ901606

CLOCK PLATE FOR Ø90 MODULE
 Code FMCLOCK030D90

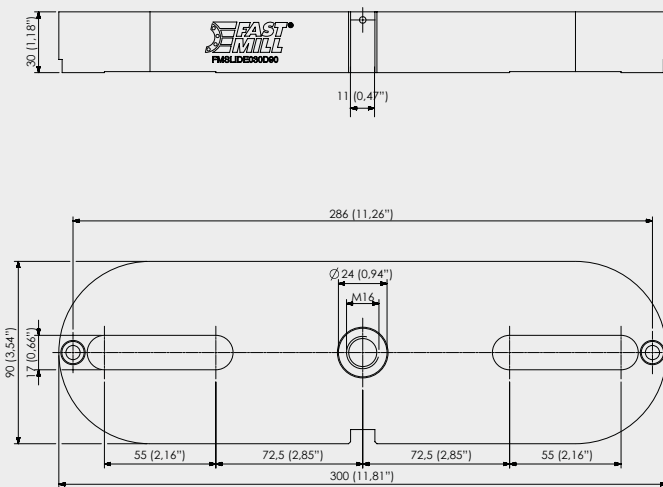
SLIDE PLATE FOR Ø90 MODULE CLOCK PLATE FOR Ø90 MODULE



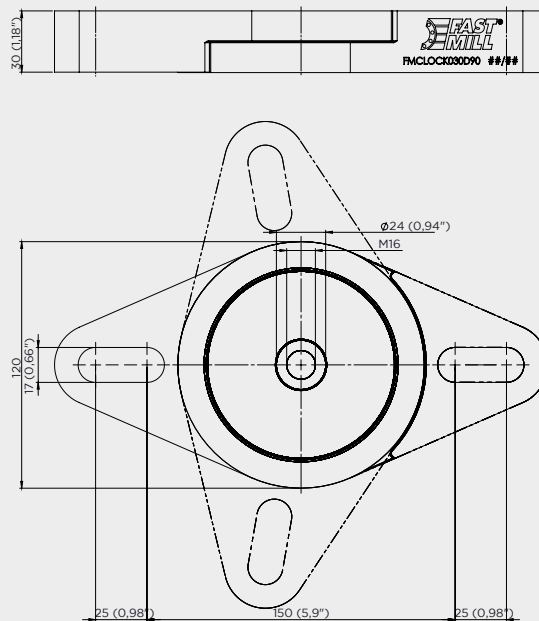
The FastMill slide and clock solutions for D90 module allow the fixing of a component on which it is not possible to maintain a drilling and counterbore at 50mm pitch. Maximum clamping flexibility and possibility of using existing holes on the workpiece.

CODE	DESCRIPTION	DIMENSION	HEIGHT	WEIGHT
FMSLIDE030D90	Slide plate for Ø90 module	300x90 (11,81"x3,54")	30 (1,18")	5,1 (11,24 lbs)
FMCLOCK030D90	Clock plate for Ø90 module	240x120 (9,44"x4,72")	30 (1,18")	2,2 (4,85 lbs)

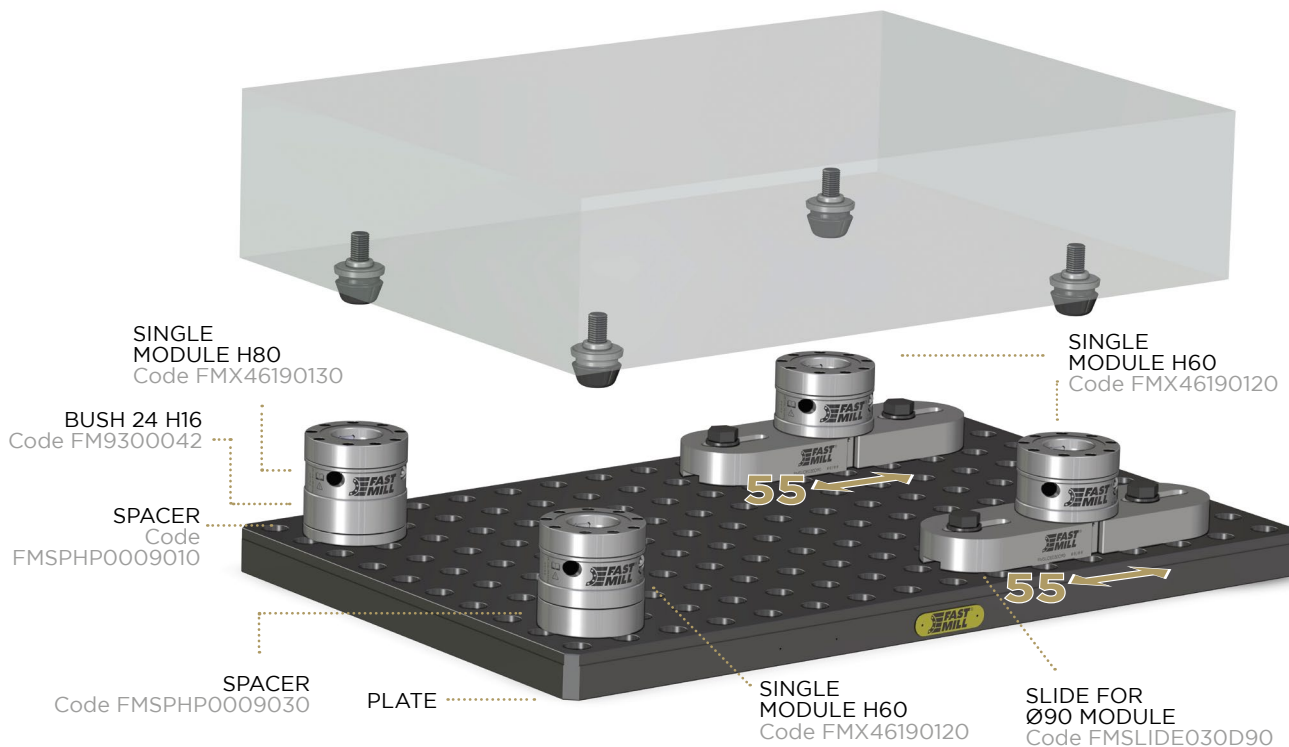
SLIDE PLATE FOR Ø90 MODULE
 FMSLIDE030D90



CLOCK PLATE FOR Ø90 MODULE
 FMCLOCK030D90



SETUP 2 ZERO POINTS / 2 SLIDE POINTS



SETUP 1 ZERO POINT / 3 FREE POINTS

