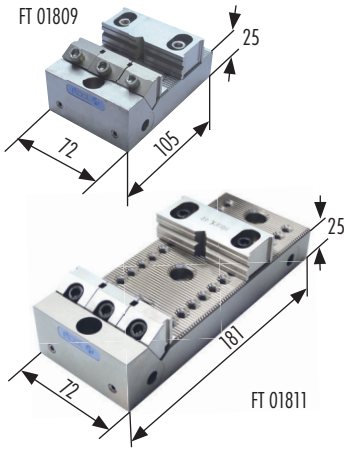


F-Tool MultiClamp, with link to the RulerSet

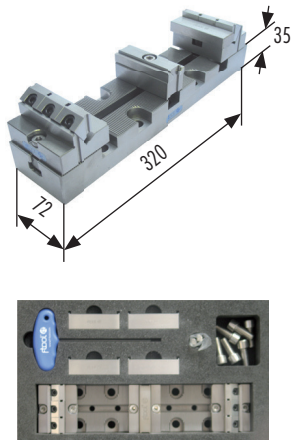
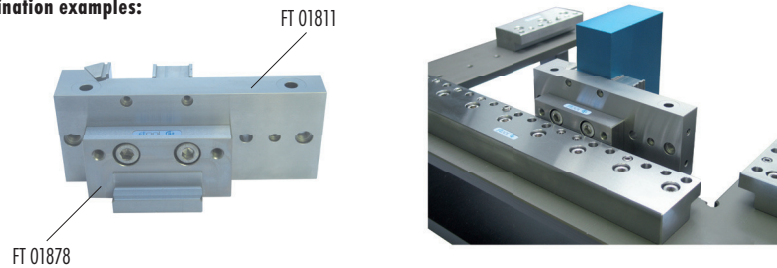


F-Tool MultiClamp 105 and 181

The F-Tool MultiClamp is a pull-down clamp with adjustable, hardened pull-down and stop jaws. It is corrosion-resistant and hardened. The stop jaw can be set every 2 mm in the tooth grid. The support surface is put up on 25 ± 0.01 mm. The F-Tool MultiClamp fits for the insert as a multiple clamp on the T-slot pallet, ITS/UPC pallet and square block. The maximum clamping range on the MultiClamp 105 is 48 mm, on the MultiClamp 181 //124 mm. The clamp travel of the clamping jaw is 3 mm.

Article no.	Article	Quantity	Weight	Code
FT 01809	FTool PIN MultiClamp 105 x 72 mm B40, corrosion-resistant	1 piece	1.90 kg	P
FT 01811	FTool PIN MultiClamp 181 x 72 mm B40, corrosion-resistant	1 piece	2.94 kg	P
FT 01878	Basic Ruler IF100/50	1 piece	0.84 kg	W

Combination examples:

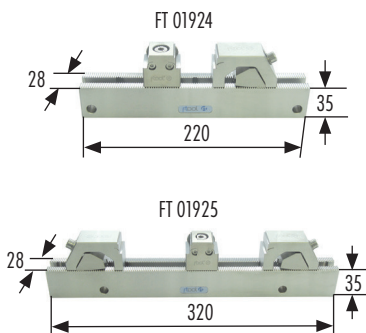
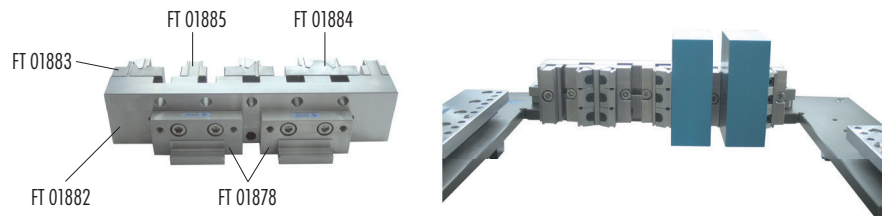


WEDM ClampingBeam B72

The MC railer set 320 B72 is a perfect, upgradable basic initial equipment for general multiple-clamping-jobs in the daily business. The hole grid 50 mm matches for the direct assembling on UPC pallets. Max. clamping power 10 - 15 KN

Article no.	Article	Quantity	Weight	Code
FT 01857	FTool MC Railer Set 320 B72	1 set	8.87 kg	P
FT 01878	Basic Ruler IF100/50	1 piece	0.84 kg	W

Combination examples:

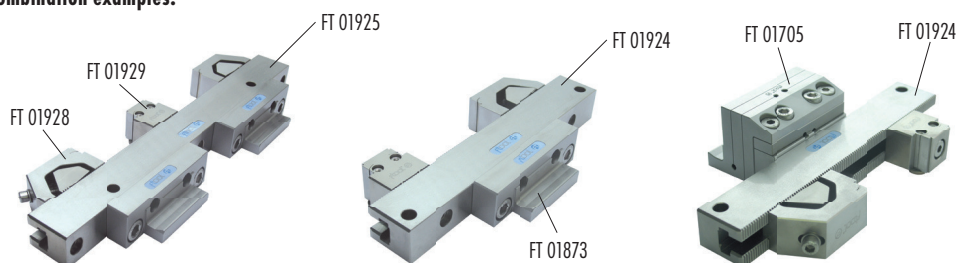


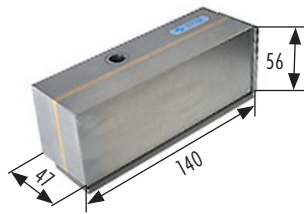
WEDM ClampingBeam B28

The WEDM railer is prepared with a disc pull-down-system and a quickly adjustable clamping-slide. With the help of the basic rulers IF FT 01873 or with the two fixing holes $\varnothing 9$ D200, the railer can be clamped horizontal in the EDM wire cutting machine. Maximal holding capacity B220 B28 = 130 mm, B320 B28 = 2 x 0-88 mm or 1 x 0-230 mm

Article no.	Article	Quantity	Weight	Code
FT 01924	WEDM clamping beam 220B28 with sliding jaws B28WEDM	1 piece	1.80 kg	P
FT 01925	WEDM clamping beam 320B28 with sliding jaws B28WEDM	1 piece	2.70 kg	P
FT 01873	Basic Ruler IF100/30	1 piece	0.55 kg	W

Combination examples:

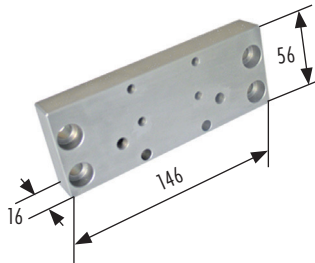




F-Tool magnetic table 140 x 50 x 44 mm

Small, corrosion-resistant magnetic table for the insertion on EDM, wire EDM and grinding machines.
Hole pattern from behind: 4 x M8 / 25 x 127 mm

Article no.	Article	Quantity	Weight	Code
FT 01326	FTool magnetic table 140 x 50 x 44 mm	1 piece	2.60 kg	W



F-Tool interface plate

Multiple applicable interface plate.

Back side mountable

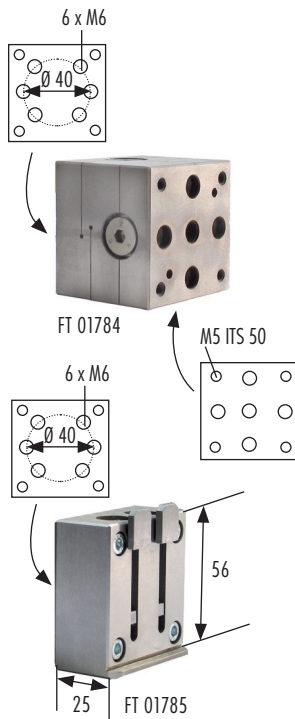
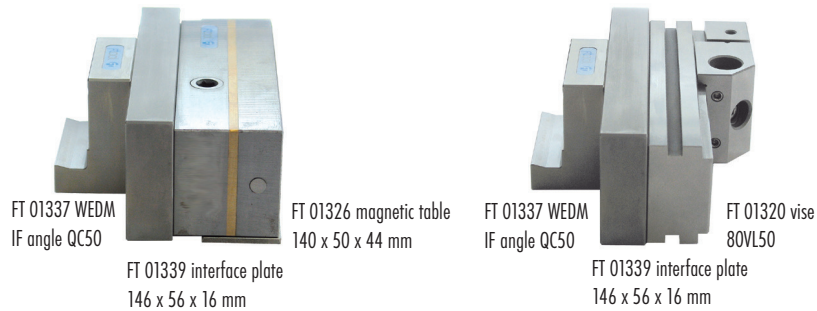
WEDM angle QC50 (FT 01337)
FTool swivel interface 90° (FT 01359)
FTool ER plate (FT 01435)
Uniplate (FT 01079 / FT 01080)

Front side mountable

FTool vise 80VL50 (FT 01320)
FTool magnetic table 140 x 50 x 44 mm (FT 01326)
Fixtures with hole pattern 4 x M8 / 25 x 127 mm SH 28 mm

Article no.	Article	Quantity	Weight	Code
FT 01339	FTool interface plate 146 x 56 x 16 mm	1 piece	1.30 kg	W

Combination examples:

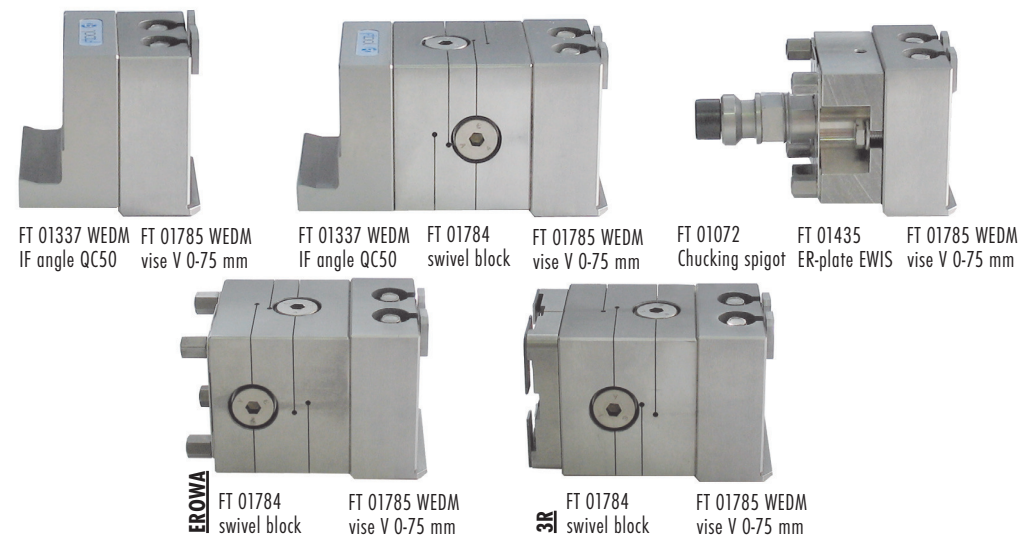


F-Tool swivel block 56 and WEDM vise V 0-75 mm

Made of corrosion-resistant, hardened stainless steel. Vise delivered with clamping jaws for the stress area of 0-75 mm.
Hole pattern appropriate to electrode holders with hole distance for M6 distance 40 mm.

Article no.	Article	Quantity	Weight	Code
FT 01784	FTool swivel block 56	1 piece	0.74 kg	W
FT 01785	FTool WEDM vise V 0-75 mm	1 piece	0.63 kg	W
Appropriate for the assembling on:				
FT 01337	FTool WEDM IF angle QC50	1 piece	0.61 kg	W
FT 01435	FTool ER-plate EWIS	Set of 10 pieces	4.50 kg	A
FT 01727	FTool PIN pallet aluminium Ø 80 mm	1 piece	0.34 kg	P

Combination examples:



RefTool IF pallet

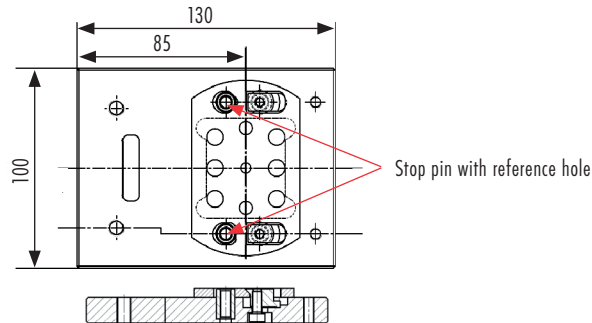


RefTool IF pallet

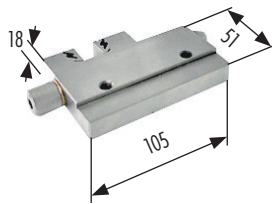
With the RefTool IF pallet, electrodes can be handled on the RefTool holders in reference position with the wire EDM machine. The RefTool IF pallet is delivered completely with screws and keys.

Pallet dimension: 130 x 100 x 14 mm

Article no.	Article	Quantity	Weight	Code
FT 01363	RefTool IF pallet 14 mm	1 piece	1.34 kg	W



F-Tool WEDM vises and magnetic tables

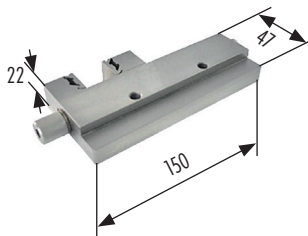


F-Tool vise 55F18

Handy, flat accurate vise (18 mm) with pull-down spring return effect for wire EDM plants. Can be inserted in the F-Tool ruler set, in the ER swivel, in the swivel table or in the palletset W. Made of corrosion-resistant, hardened high-grade steel.

Clamping length: 55 mm, clamping height: 18 mm

Article no.	Article	Quantity	Weight	Code
FT 01318	FTool vise 55F18	1 piece	1.07 kg	W

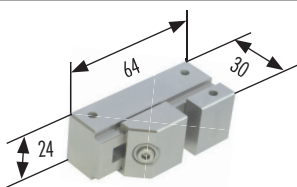


F-Tool vise 100F22

Handy, flat accurate vise (22 mm) with pull-down spring return effect for wire EDM plants. Can be inserted in the F-Tool ruler set, in the ER swivel, in the swivel table or in the palletset W. Made of corrosion-resistant, hardened, grinded high-grade steel.

Clamping length: 100 mm, clamping height: 22 mm

Article no.	Article	Quantity	Weight	Code
FT 01319	FTool vise 100F22	1 piece	1.43 kg	W



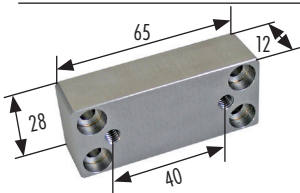
F-Tool vise 20VL24

Small accurate vise made of corrosion-resistant, hardened, grinded high-grade steel for EDM and wire EDM machines.

Hole pattern from behind: 4 x M5 / 16 x 52 mm

Clamping length: 20 mm, clamping height: 24 mm

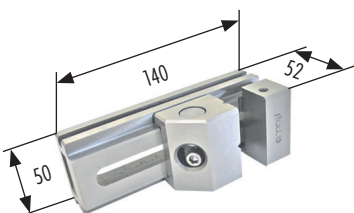
Article no.	Article	Quantity	Weight	Code
FT 01321	FTool vise 20VL24	1 piece	0.26 kg	W



F-Tool interface uniplate for vise 20VL24

On the front side, the vise 20VL24, hole pattern (4 x 5.8 / 16 x 52 mm), on the back side, the F-Tool ER plate (FT 01435) or the uniplate (FT 01079 / FT 01080) can be assembled, hole pattern (2 x M6 / 40 mm).

Article no.	Article	Quantity	Weight	Code
FT 01343	FTool interface uniplate for vise 20VL24	1 piece	0.22 kg	W



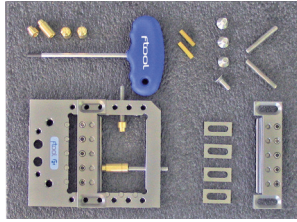
F-Tool vise 80VL50

Accurate vise made of corrosion-resistant, hardened, grinded high-grade steel for EDM and wire EDM machines.

Hole pattern from behind: 4 x M8 / 25 x 127 mm

Clamping length: 80 mm, clamping height: 50 mm

Article no.	Article	Quantity	Weight	Code
FT 01320	FTool vise 80VL50	1 piece	1.40 kg	W



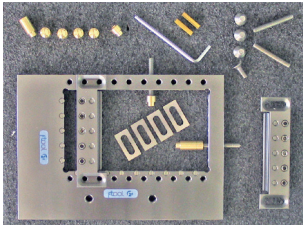
F-Tool frame pallet

The F-Tool frame pallet 75 x 75 x 10 mm has a height of 10 mm only and is suited for the collet of thin plates <75 x 75 mm. The parts can be clamped with M6 screws sideways on plan-eroded pins. Parallel grinded plates with unmachined side faces can be clamped accurate on small support beams. The frame pallet can be inserted directly in the corner set 85, in the palletset W adapter, the F-Tool swivel table with IF 22 or in the ER swivel. The frame pallet is delivered completely with screws and 2 small clamping beams.

Pallet dimension: 130 x 105 x 10 mm

Clamping beam height: lips = -2 mm / strip from height zero = 16 mm

Article no.	Article	Quantity	Weight	Code
FT 01353	FTool frame pallet 75 x 75 x 10 mm with clamping beam	1 piece	1.20 kg	W
FT 01573	FTool frame pallet 75 x 75 x 10 mm without clamping beam	1 piece	0.85 kg	W



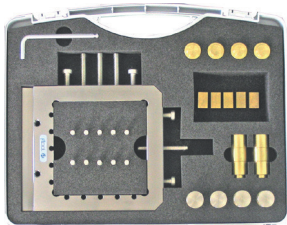
F-Tool frame pallet

The F-Tool frame pallet 135 x 75 x 10 mm has a height of 10 mm only and is suited for the collet of thin plates <135 x 75 mm. The parts can be clamped with M6 screws sideways on plan-eroded pins. Parallel grinded plates with unmachined side faces can be clamped on small support beams. The frame pallet can be clamped directly with the basic ruler or be inserted in the F-Tool swivel table IF 22. The frame pallet is delivered completely with screws and 2 small clamping beams.

Pallet dimension: 195 x 137 x 10 mm

Clamping beam height: lips = -2 mm / strip from height zero = 16 mm

Article no.	Article	Quantity	Weight	Code
FT 01444	FTool frame pallet 135 x 75 x 10 mm with clamping beam	1 piece	1.90 kg	W
FT 01574	FTool frame pallet 135 x 75 x 10 mm without clamping beam	1 piece	1.50 kg	W

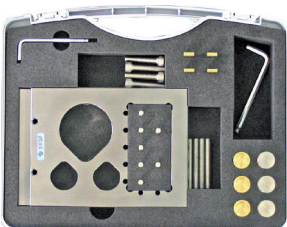


F-Tool frame pallet

The frame pallet 100 x 22 mm is an economic, universal clamping frame with variable clamping possibilities. The clamping frame can be charged with parts very simple outside the machine on a flat surface. Afterwards the clamping frame, charged with parts, is available for the handling with a few hand grips. The base frame consists of corrosion-resistant, not hardened high-grade steel. The surface or the provided hardened, corrosion-resistant cylinder bolts provide optionally a stopper for the parts. The clamping beam is delivered completely with screws, keys, cylinder bolts and jacks.

Pallet dimension 170 x 150 x 22 mm

Article no.	Article	Quantity	Weight	Code
FT 01360	FTool frame pallet 100 x 22 mm	1 piece	3.28 kg	W



F-Tool universal pallet

The universal pallet is a multifunctional clamping frame for round and square parts. The universal pallet can be charged with parts very simple outside the machine on a flat surface, like the frame pallet, and is available anytime for the application on the machine. The base frame consists of corrosion-resistant, not hardened high-grade steel. The surface or the provided hardened, corrosion-resistant cylinder bolts provide optionally a stopper for the parts. The universal pallet is delivered completely with screws, keys, cylinder bolts and jacks.

Pallet dimension: 200 x 140 x 22 mm

Article no.	Article	Quantity	Weight	Code
FT 01361	FTool universal pallet 22 mm	1 piece	3.80 kg	W



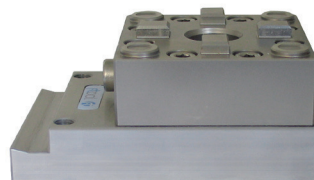
F-Tool blank pallet

The end user can cut his forms by himself analog the universal pallet or the frame pallet.

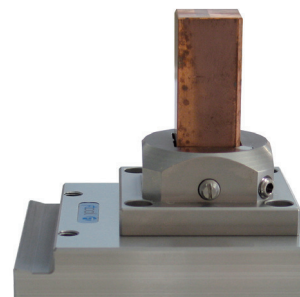
Pallet dimension: 160 x 100 x 22 mm

Article no.	Article	Quantity	Weight	Code
FT 01362	FTool blank pallet 22 mm	1 piece	2.75 kg	W

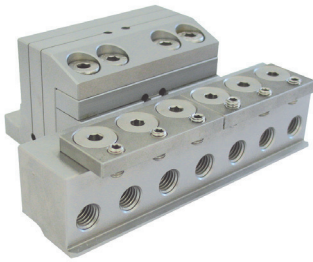
Combination examples:



FT 01044
chuck 80 IF3R
FT 01362 blank
pallet 22 mm



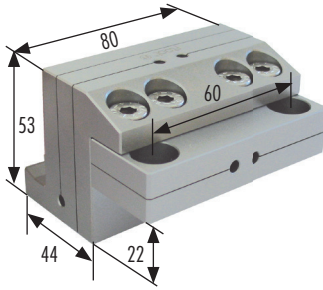
FT 01765 square 25
front part
FT 01362 blank
pallet 22 mm



F-Tool 3D swivel head with front spanner 140

The F-Tool 3D swivel head with front spanner 140 is delivered completely with screws, brackets and allen keys. The prism holder (FT 01593) and the yoke 140 mm (FT 01594) can be fixed frontal into the FT 01693. The yoke can be used directly on the beams and on the front spanner to clamp square pieces as well.

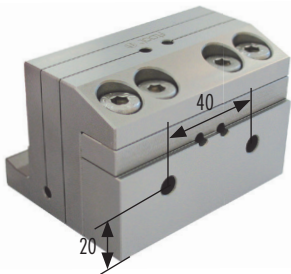
Article no.	Article	Quantity	Weight	Code
FT 01693	FTool 3D swivel head with front spanner 140	1 piece	2.78 kg	W
Options:				
FT 01593	FTool prism holder 110 mm complete	1 piece	1.50 kg	W
FT 01594	FTool prism holder 110 mm complete	1 piece	0.65 kg	W



F-Tool 3D swivel head IF 22

The 3D swivel head IF 22 can be used in combination with many F-Tool clamping elements. Furthermore, this article is compatible with some EROWA PalletSet W elements.

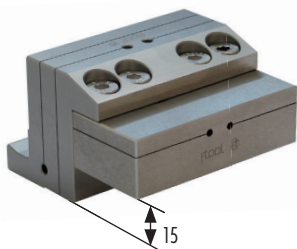
Article no.	Article	Quantity	Weight	Code
FT 01697	FTool 3D swivel head IF 22	1 piece	1.43 kg	W
Options:				
FT 01318	FTool vise 55F18	1 piece	1.07 kg	W
FT 01319	FTool vise 100F22	1 piece	1.43 kg	W
FT 01358	FTool spacer plate 100 x 29 x H 4 mm	1 piece	0.11 kg	W
FT 01360	FTool frame pallet 100 x 22 mm	1 piece	3.28 kg	W
FT 01361	FTool universal pallet 22 mm	1 piece	3.80 kg	W
FT 01362	FTool blank pallet 22 mm	1 piece	2.75 kg	W
FT 01363	ReffTool IF pallet 14 mm	1 piece	1.34 kg	W
FT 01448	Spacer plate 100 x 29 x H 12 mm	1 piece	0.31 kg	W
FT 01573	FTool frame pallet 75 x 75 x 10 mm without clamping beam	1 piece	0.85 kg	W
FT 01574	FTool frame pallet 135 x 75 x 10 mm without clamping beam	1 piece	1.50 kg	W



F-Tool 3D swivel head IF 90°

The 3D swivel head IF 90° is used for the frontal collet of clamping elements and adapter plates.

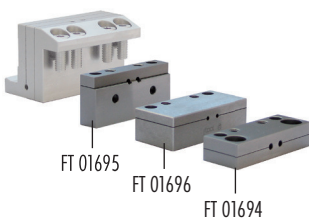
Article no.	Article	Quantity	Weight	Code
FT 01705	FTool 3D swivel head IF 90°	1 piece	1.48 kg	W
Options:				
FT 01320	FTool vise 80VL50	1 piece	1.40 kg	W
FT 01321	FTool vise 20VL24	1 piece	0.26 kg	W
FT 01326	FTool magnetic table 140 x 50 x 44 mm	1 piece	2.60 kg	W
FT 01339	Interface plate 146 x 56 x 16 mm	1 piece	1.30 kg	W
FT 01343	Interface uniplate for vise 20VL24	1 piece	0.22 kg	W



F-Tool 3D swivel head IF 15 / 3R

Compatible with many 3R clamping elements.

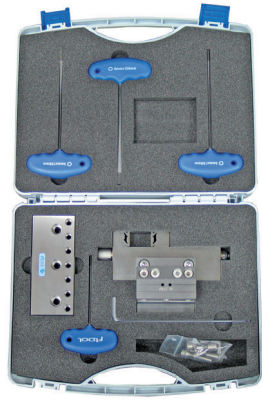
Article no.	Article	Quantity	Weight	Code
FT 01706	FTool 3D swivel head IF 15 / 3R	1 piece	1.39 kg	W



F-Tool Adapter to swivel head

For every application the right adapter.

Article no.	Article	Quantity	Weight	Code
FT 01694	IF 22 for 3D swivel head	1 piece	0.24 kg	W
FT 01695	IF 90° for 3D swivel head	1 piece	0.34 kg	W
FT 01696	IF 15 / 3R for 3D swivel head	1 piece	0.26 kg	W



F-Tool 3D ViseSet 100

Fast, precise and three-dimensional adjustment.

A universal and multifunctional set. Quick assembling with the basic ruler 140 mm. Compatible to WEDM-machines with Z-reference height 0.

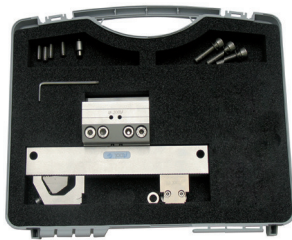
The set contains:

1 x FT 01697 3D swivel head IF 22
1 x FT 01319 vise 100F22

1 x FT 01347 basic ruler 140 mm
diverse screws and keys

→ delivered in a synthetic case

Article no.	Article	Quantity	Weight	Code
FT 01346	FTool 3D ViseSet 100	1 set	5.04 kg	W



FTool 3D ViseSet 220B28

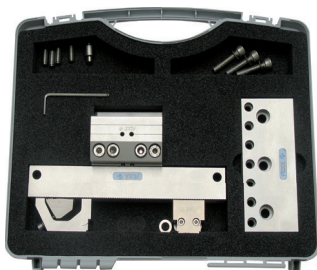
Fast, precise and three-dimensional adjustment.

Flexible machining of cubic pieces of miscellaneous sizes in Z-zero position. Accurate, strong and centrally clamping, simplifies the adjustment.

Maximal clamping size: 130 mm, Maximal workpiece size: 130 x 100 x 100 mm, Maximal weight: 10 kg

Article no.	Article	Quantity	Weight	Code
FT 02046	FTool 3D ViseSet 220B28	1 set		W

Combination examples:



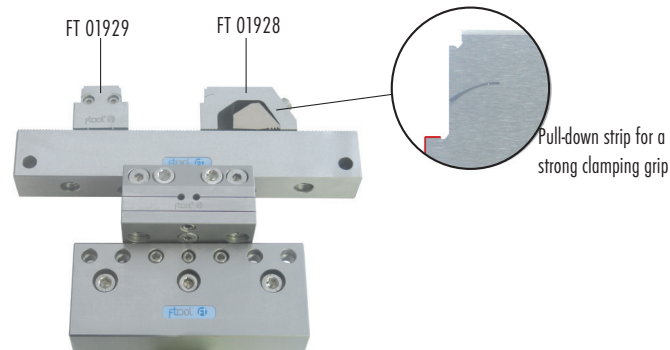
FTool 3D ViseSet 220B28 incl. basic ruler 140 mm

Fast, precise and three-dimensional adjustment.

Flexible machining of cubic pieces of miscellaneous sizes in Z-zero position. Accurate, strong and centrally clamping, simplifies the adjustment.

Maximal clamping size: 130 mm, Maximal workpiece size: 130 x 100 x 100 mm, Maximal weight: 10 kg

Article no.	Article	Quantity	Weight	Code
FT 02047	FTool 3D ViseSet 220B28 incl. basic ruler 140 mm	1 set	5.66 kg	W

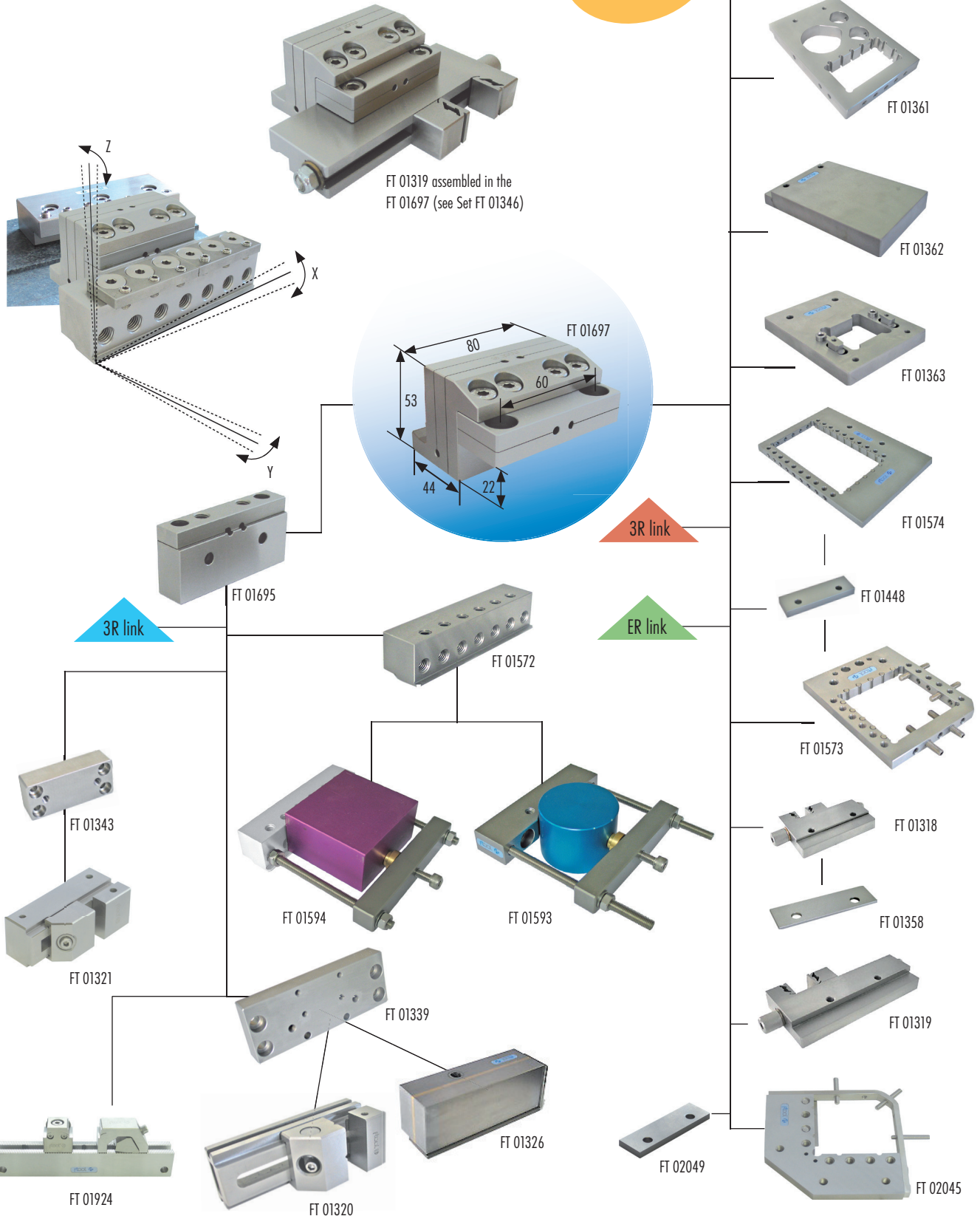


3D swivel head multifunctional

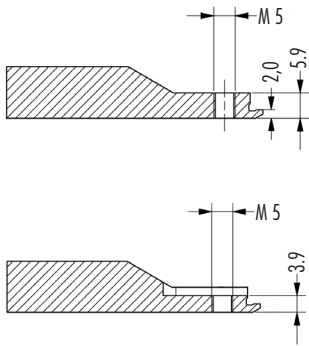
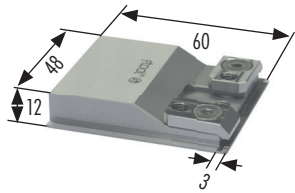
Simple adjustment in three independent axes.
Choose your combination with a couple of grips.

Fast, precise and three-dimensional adjustment. Among many F-Tool clamping elements it's also compatible to EROWA and 3R systems. The swivel head can be prepared and adjusted outside the machine on a presetting station and clamped on the F-Tool basic ruler on the machine table.

flexible
practical
economic



The Mini universal plate, to clamp thin plates in the FTool RulerSet

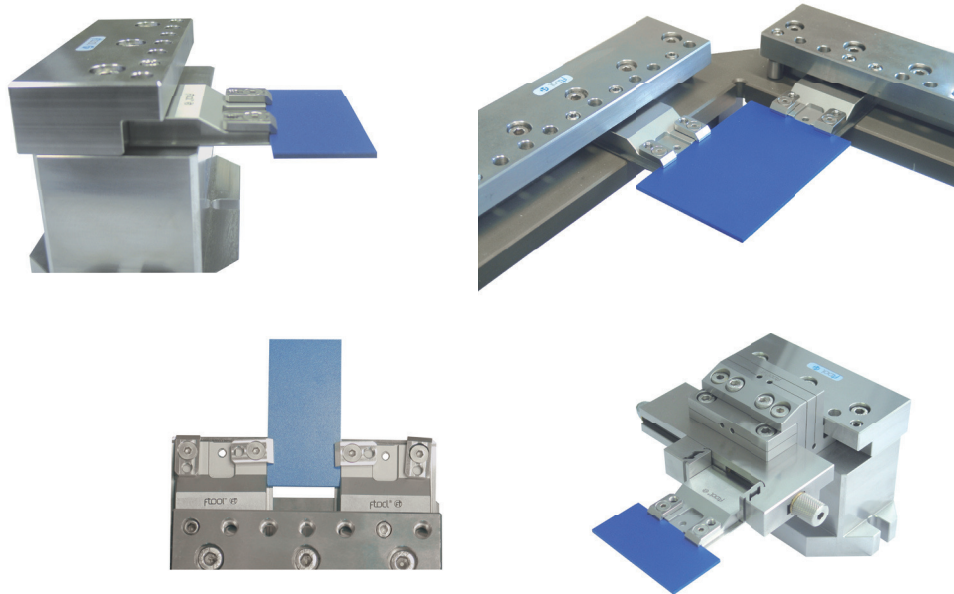


F-Tool Mini universal clamping plate

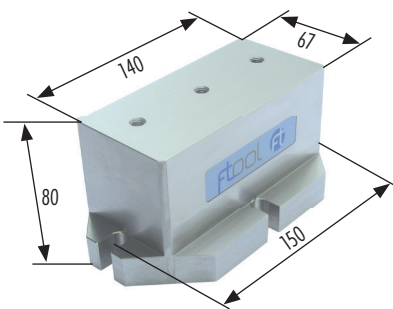
The Mini Universal clamping plate, to fix thin plates in the FTool RulerSet. The z-lip supports are just +2 mm above the 0-level to avoid any collision with the flushing nozzle. The z-lips on both sides of the clamping plate give a high flexible application range. The clamping plate can be mounted as a single-, or over the corner as a multifunctional clamping devise. The Mini clamping plate is delivered with two Mini brackets.

Article no.	Article	Quantity	Weight	Code
FT 01951	Ftool Mini Universal clamping plate Z+2// 60 x 54 x 12 mm	1 piece	0.26 kg	W
FT 01952	Mini Bracket 22 x 13 x 3.8 mm	1 piece	0.05 kg	W

Combination examples:



F-Tool Clamping block, the bridge from Presetting to EDM drilling to EDM- and wire EDMing.

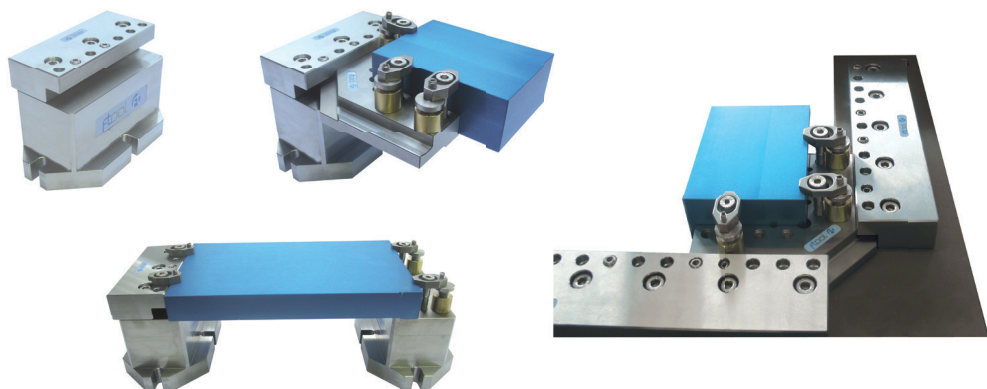


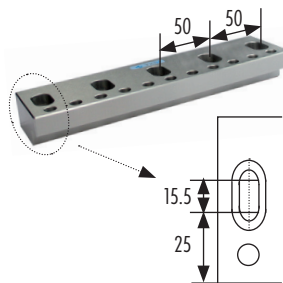
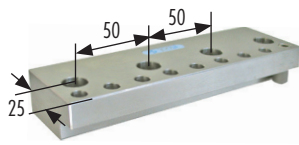
Clamping block

The Clamping block can be used as a basement on the EDM, EDM-drilling and Presetting machines. On the top surface the FT 01347 Basic Ruler 140 mm can be fitted. The clamping block is a high accurate clamping surface for workpieces and fixtures for RulerSet equipments.

Article no.	Article	Quantity	Weight	Code
FT 01945	Clamping block h80	1 piece	6.78 kg	B
FT 01347	Ftool basic ruler 140 mm	1 piece	1.75 kg	W

Combination examples:





F-Tool basic ruler

The basic ruler are adjusted to the coordinate system of the machine and provide afterwards a fast clamping of work pieces or F-Tool pallets and clamping elements in reference position.

Dimension: length = x mm / width = 60 mm / height = 30 mm

The set contains: 1 x basic ruler / 1 x FT 01376 stopper / the required attachment and pressure screws (FT 01373)

Article no.	Article	Quantity	Weight	Code
FT 01347	FTool basic ruler 140 mm	1 piece	1.75 kg	W
FT 01348	FTool basic ruler 180 mm	1 piece	2.30 kg	W
FT 01349	FTool basic ruler 230 mm	1 piece	2.80 kg	W
FT 01486	FTool basic ruler 320 mm	1 piece	3.90 kg	W
FT 01487	FTool basic ruler 380 mm	1 piece	4.70 kg	W

Basic ruler with long slot:

FT 01858	FTool basic ruler 140 mm ML	1 piece	1.65 kg	W
FT 01859	FTool basic ruler 180 mm ML	1 piece	2.20 kg	W
FT 01780	FTool basic ruler 230 mm ML	1 piece	2.70 kg	W
FT 01860	FTool basic ruler 320 mm ML	1 piece	3.80 kg	W
FT 01820	FTool basic ruler 380 mm ML	1 piece	4.42 kg	W



F-Tool side spanner

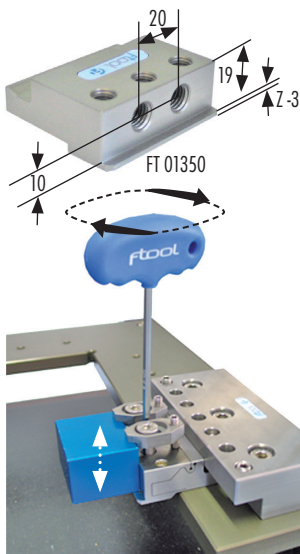
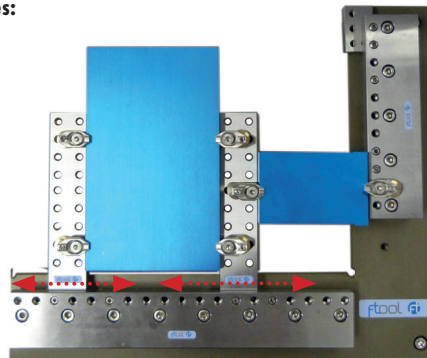
The F-Tool side spanner has two bearing sides and provides a support of larger plates. The side spanner is suited excellent in combination with the corner set 85 (FT 01352) or with the front spanner (FT 01350).

Dimension: 215 x 50 mm / height = 22 mm

The set contains: 1 x side spanner / 1 x FT 01439 spacer plate 60 x 20 x 3 mm

Article no.	Article	Quantity	Weight	Code
FT 01351	FTool side spanner	1 piece	1.43 kg	W

Combination examples:



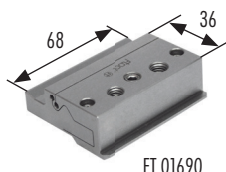
F-Tool front spanner

The front spanner provides a support plate for small parts or can be used in combination with the side spanner (FT 01351), the corner set 85 (FT 01352) or with the distance support mini (FT 01066). The clamping lip lies in basic position on zero level. This zero level can be hoisted 3 mm with the spacer plates.

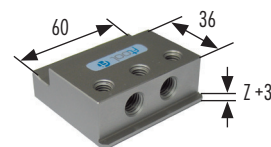
Dimension: 55 x 60 mm / height = 22 mm

The set contains: 1 x front spanner / 2 x FT 01382 F-Tool bracket ER34 corrosion-resistant

Article no.	Article	Quantity	Weight	Code
FT 01350	FTool front spanner	1 piece	0.43 kg	W
FT 01790	FTool front spanner special +3 mm	1 piece	0.48 kg	W
FT 01690	FTool front spanner Z-Vario	1 piece	0.60 kg	W

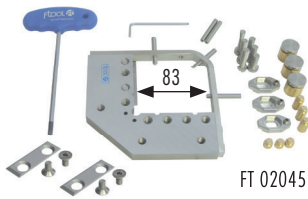


FT 01690



FT 01790

The front spanner Z-Vario (FT 01690) is continuously adjustable ca 0.2 mm

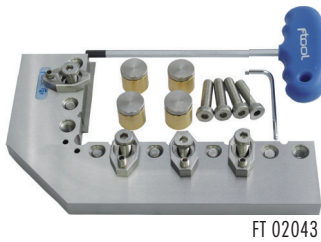
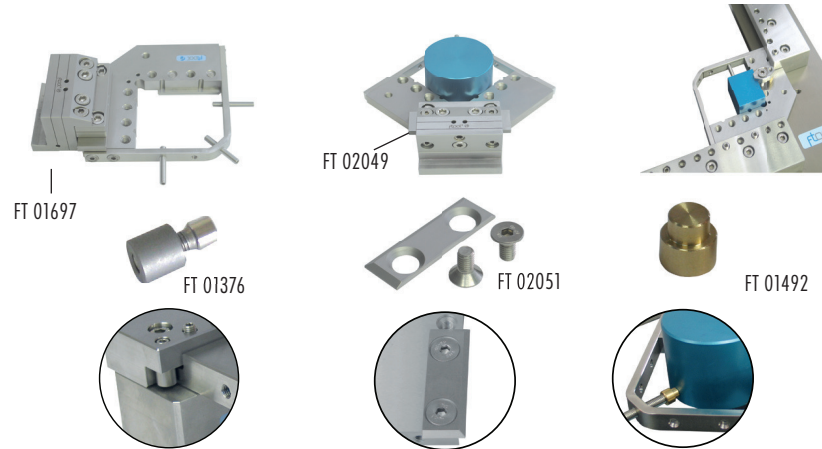


F-Tool Corner set 14/85 and 14/215 x 135

The F-Tool corner set 14/85 supports the direct insert in the basic rulers.

Article no.	Article	Quantity	Weight	Code
FT 02045	FTool Corner set 14/85 (with brackets and screws)	1 set	1.75 kg	W
FT 02044	FTool Corner 14/85 (without brackets and screws)	1 piece	1.37 kg	W
FT 02049	FTool Spacer plate 100 x 29 x h8 mm (for swivel head FT 01697)	1 piece	0.17 kg	W

Combination examples:

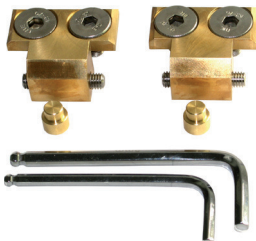
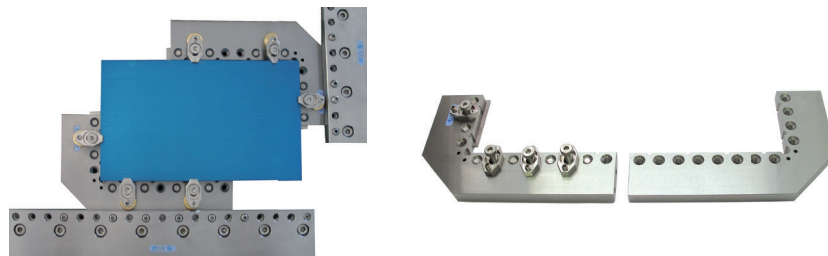


FT 02043 F-Tool corner set 14 / 215 x 135

The FT corner set 14 / 164 / 84 has a height of 14 mm and can be screwed directly under the basic rulers, sinistral or dexter according to requirements. The tensioning bracket made of hardened stainless steel is delivered with three pieces of FT 02051 Z-0 base plate 3.3 mm and miscellaneous clamping material. With the option FT 02097 brass corner jaw block you can clamp the work pieces without Z-base plates on Z-0, designed to preclude any collisions.

Article no.	Article	Quantity	Weight	Code
FT 02043	FTool Corner 14/164 x 84	1 piece	2.07 kg	W

Combination examples:

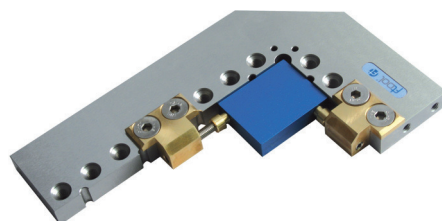


FT 02097 F-Tool brass corner jaw block

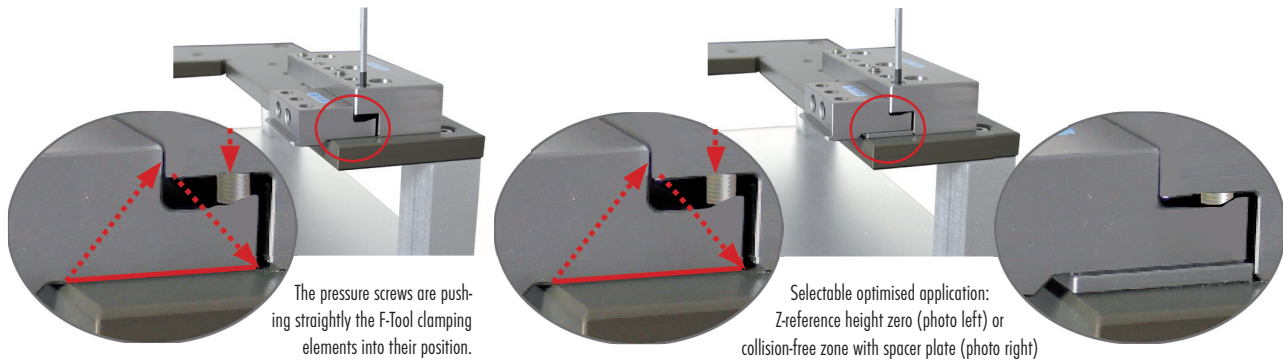
The brass corner jaw block is an easy tool to clamp work pieces on Z-0 levels and miscellaneous F-Tool clamping elements with hole grids 20 mm, designed to preclude any collisions.

Article no.	Article	Quantity	Weight	Code
FT 02097	FTool Brass corner jaw block M6 (set of 2 pieces)	1 set	0.23 kg	W

Combination example:



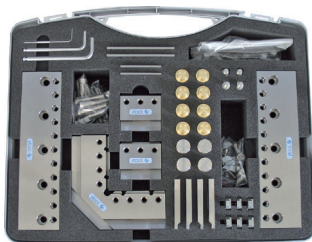
The F-Tool clamping concept is solved simply and efficiently. By pulling the pressure screw tight, the clamping elements are clamped very strong and precise into the reference position. The basic rulers are compatible with all Wire EDM-machines with working table chuck Z-0.



The pressure screws are pushing straightly the F-Tool clamping elements into their position.

Selectable optimised application:
Z-reference height zero (photo left) or collision-free zone with spacer plate (photo right)

F-Tool WEDM basic sets

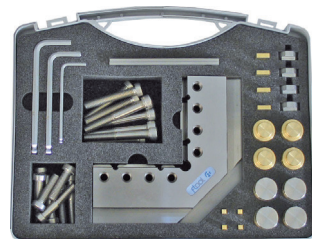


F-Tool ruler set

The F-Tool ruler set is an economic basis equipment for all wire EDM machines with basis zero table and hole pattern 50 mm M8.

The set contains: 2 x FT 01349 FT basic ruler 230 mm / 2 x FT 01350 FT front spanner / 1 x FT 01352 FT corner set 85 / 2 x FT 01376 stopper / 2 x FT 01457 Spacer Plate 100 x 29 x 3 mm, with 2 x hole Ø 9 mm / 2 x FT 01947 FTool Spacer plate 60 x 29 x h3 mm / comprehensive clamping appliances with support plates / brackets / screws / keys

Article no.	Article	Quantity	Weight	Code
FT 01344	FTool ruler set	1 set	10.60 kg	W
FT 02128	FTool ruler set Z+3mm	1 set	10.60 kg	W
FT 01342	FTool ruler set with basic ruler 230mm ML	1 set	10.60 kg	W



F-Tool corner set

The corner set is the perfect pallet for wire EDM plants. The corner set can be fixed left side, right side as well as frontal over 45°. The parts can be clamped outside the machine in the corner set and afterwards be clamped with the bead stops (basic ruler) in reference position of the machine. The clamping lips are lying in basic position on zero level. This zero level can be hoisted 3 mm with the spacer plates.

Dimension: leg length = 135 x 135 mm / height = 22 mm

The set contains: 1 x corner set / 2 x FT 01070 spacer plate 100 x 29 x 3 mm / screws / keys / brackets / support plates

Article no.	Article	Quantity	Weight	Code
FT 01352	FTool corner set 85	1 set	2.60 kg	W
FT 01420	FTool corner 85	1 piece	1.26 kg	W
FT 01675	FTool corner set 85 special with adjusting screws	1 set	2.60 kg	W
FT 01789	FTool corner set 85 special +3 mm	1 set	2.60 kg	W



F-Tool Corner basic set 14/85

The F-Tool corner basic set 14/85 is a simple, economic and flexible way to clamp the pieces in the wire cutting machine. The F-Tool corner 14/85 can be fixed in three different directions in the machine and can cut small as well as big work pieces with the best possible accessibility. The removable supporting bracket allows to cut the piece without any collision risk of the below wire guide in the highest precise and fastest zero position.

Article no.	Article	Quantity	Weight	Code
FT 01345	FTool Corner basic set 14/85	1 set	4.05 kg	W



F-Tool WEDM tool set

The WEDM tool set contains a practical assortment of corrosion-resistant screws, keys, brackets, support plates and bases. We recommend the set to every wire EDM user.

Article no.	Article	Quantity	Weight	Code
FT 01071	FTool WEDM tool set	1 set	4.07 kg	W

Optimises wire EDMing with the new F-Tool wire tooling system

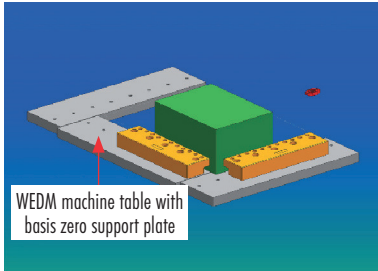
- Rationalisation through simple clamping
- Step ahead with smart solution

The new F-Tool WEDM tooling system is developing continuously to the needs of the end users.

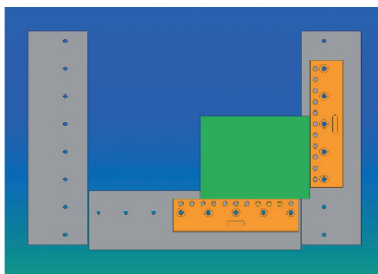
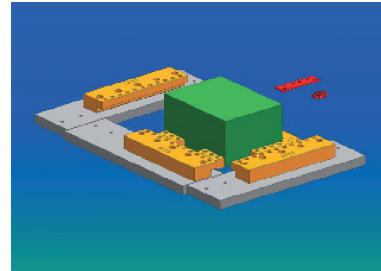
The F-Tool WEDM clamping system provides:

- accurate and extensive clamping possibilities
- economic and extendable solutions
- palletisable clamping elements
- compatible solutions to existing tooling systems

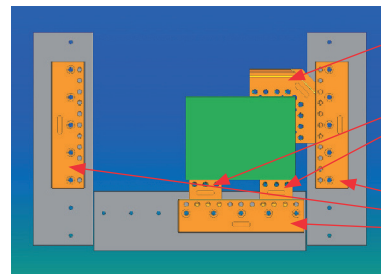
F-Tool provides multifunctional clamping possibilities



The basic ruler provides a reference stop and clamping beam for large parts and different F-Tool clamping elements.

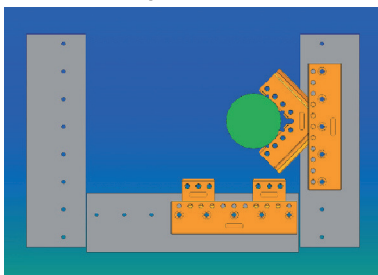


Large parts are clamped directly in aligned position.

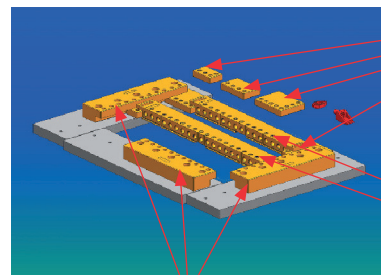


With the F-Tool clamping assortment one can clamp collision-free and the free access to the work piece is warranted.

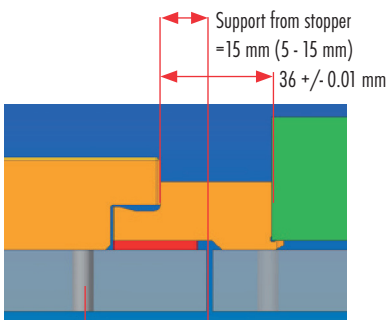
Multifunctional, economic and palletisable clamping elements set up the basis of the F-Tool WEDM tooling line



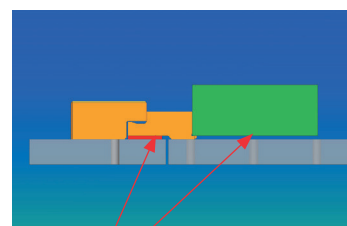
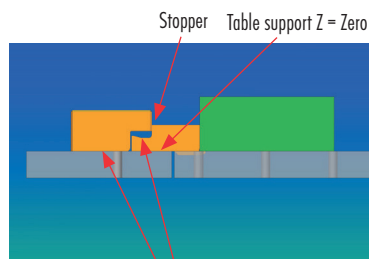
Example corner set 85 with round piece.



FT 01347 FT 01349 FT 01487
FT 01348 FT 01486

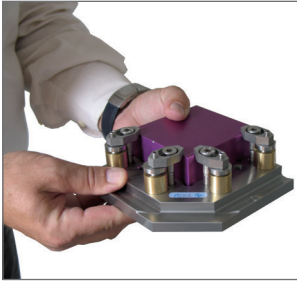


Support distance machine table (variable)
Fixing hole M8 machine table

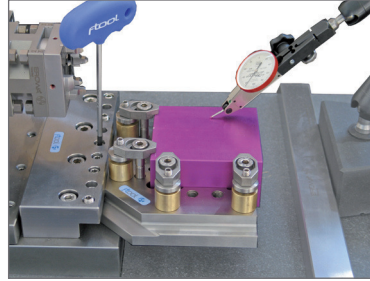


Reference height zero for clamping elements with clamping lips can be hoisted +3 mm with the spacer plate

Extensive duties - simply resolved!



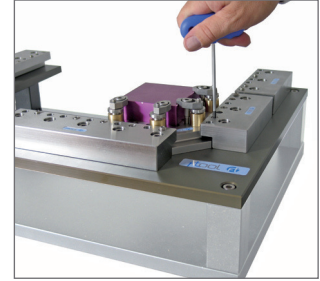
Palletisation of the work pieces



Presetting and control outside the machine



Simple, handy manipulation and transfer into the machine.



Clamped fast in reference position.

CLAMP



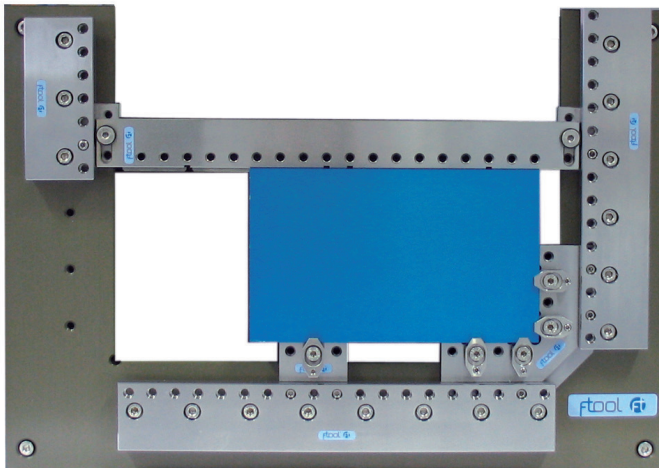
PRESET



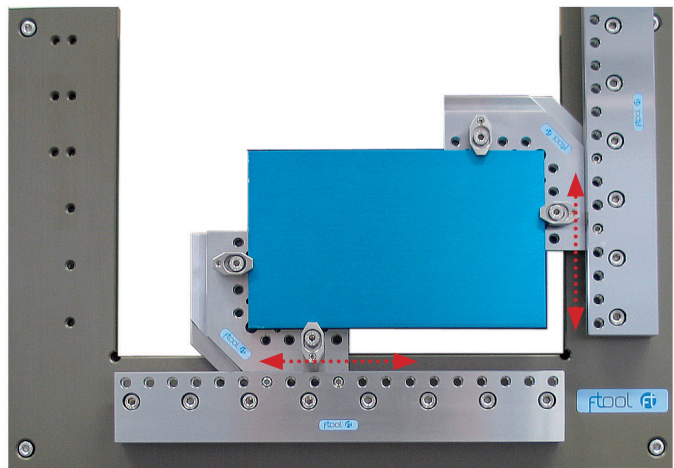
PROCESS



Ready for:
EDM DRILLING
WIRE EDM
EDM

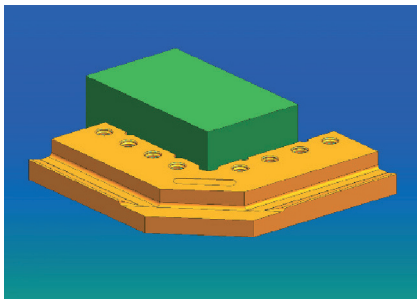


Modular layout in the machine with stoppers fixtures and multifunctional clamping bars.

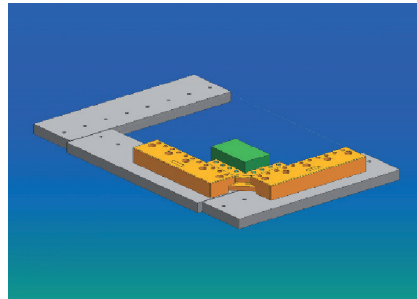


Large and small pieces can be clamped flexibly with an optimal accessibility into the working range of the machine.

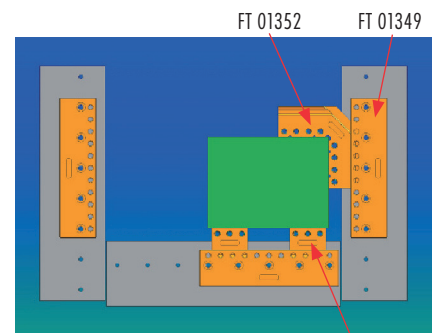
A comprehensive, accurate clamping assortment completes the system



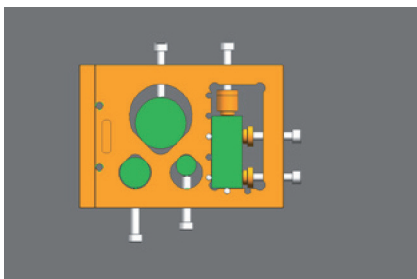
The parts can be palletised outside the machine...



...and be positioned in the machine

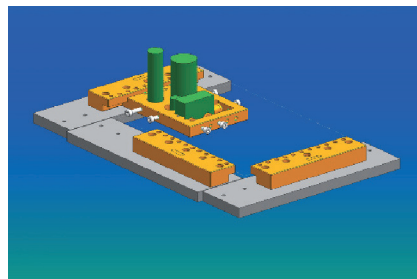


Example of use ruler set 1 (FT 01344) FT 01350

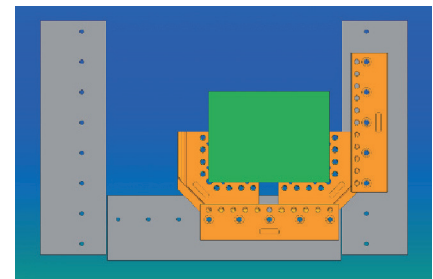


The universal pallet can be charged on a stone plate...

► The zero position is simple and with no effort warranted.



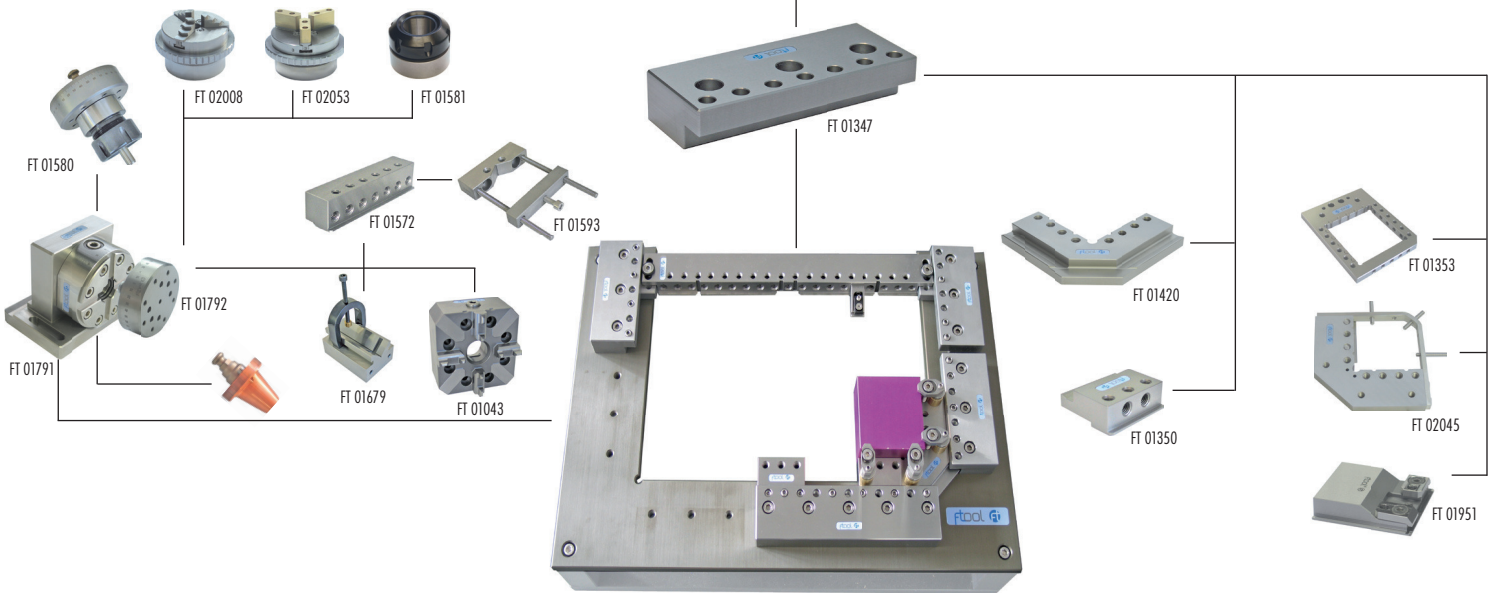
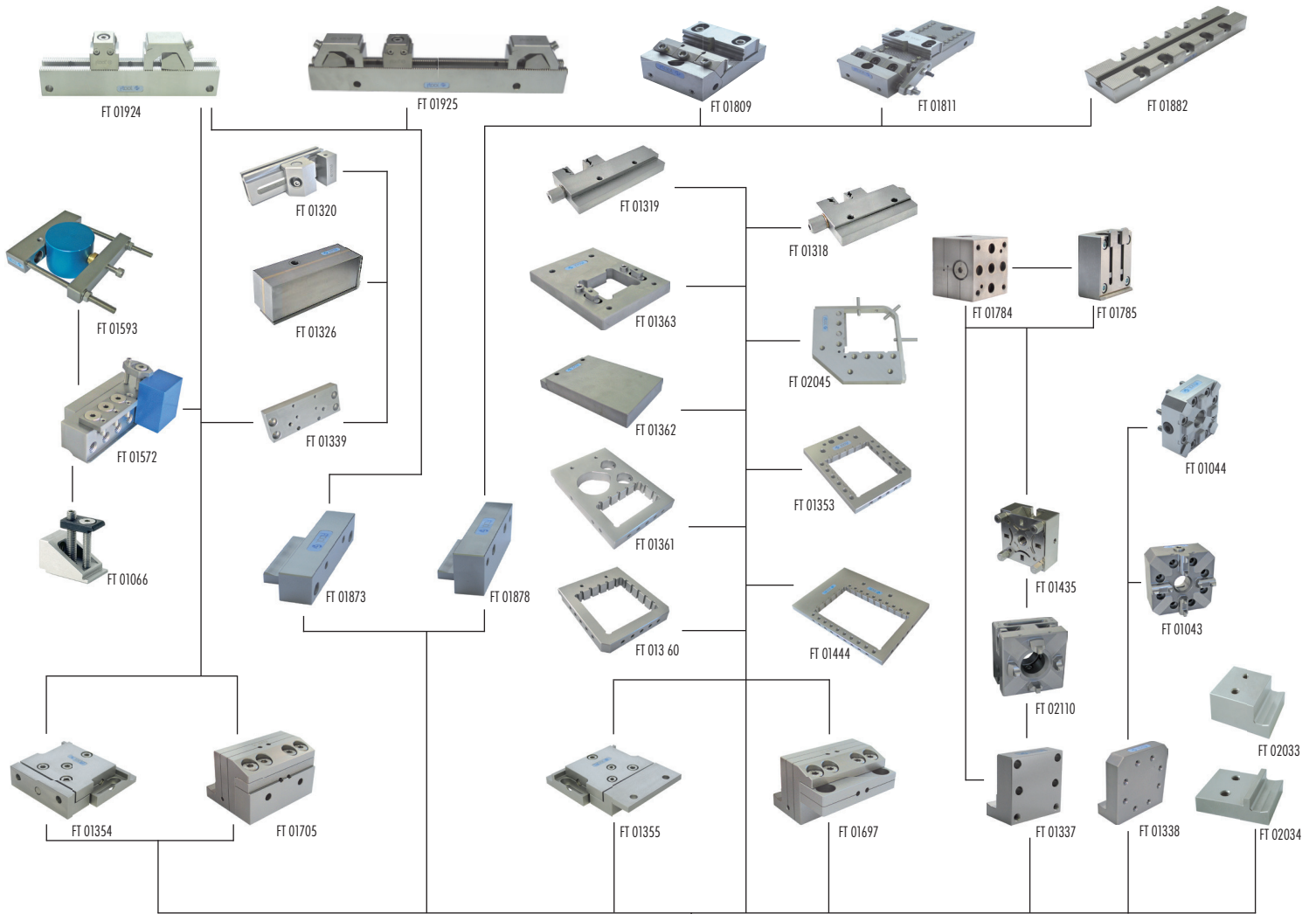
...and in no time at all be fixed in the machine.



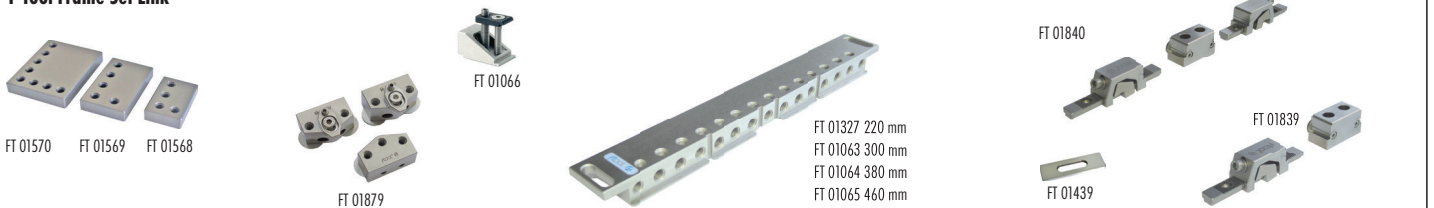
Example of use with two corner sets 85 (FT 01352)

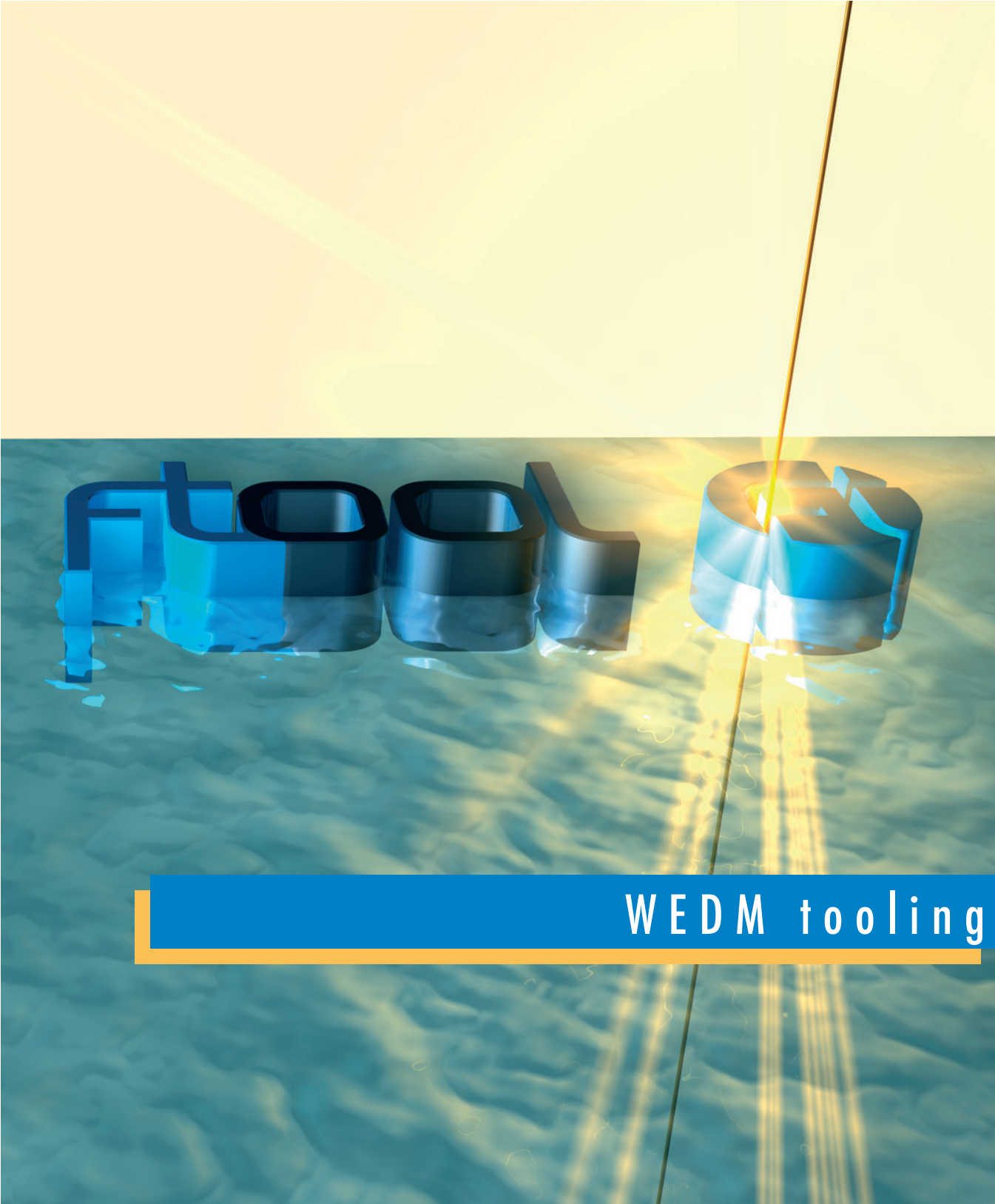
F-Tool WEDM tooling system

Patent pending



F-Tool Frame Set Link





WEDM tooling