

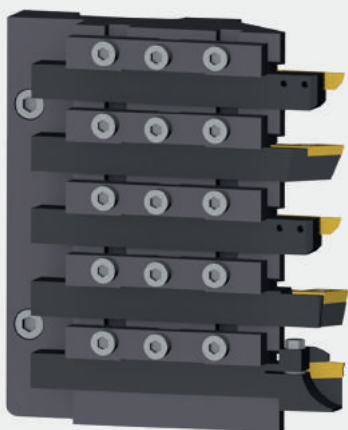


Système d'outils modulaires

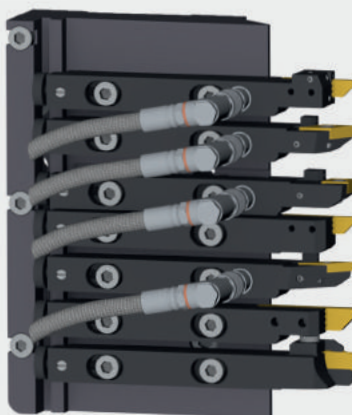
Modulares Werkzeugsystem

Modular tooling system

Original system



MODU-Line system



Système d'outils modulaires
pour tours automatiques

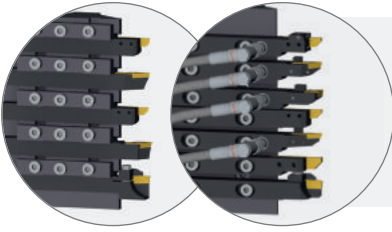
Modulares Werkzeugsystem
für Langdrehautomaten

Modular tooling system for
sliding headstock automatic lathes

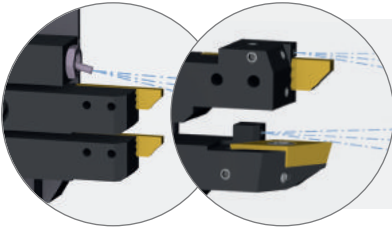
Les avantages

Die Vorteile

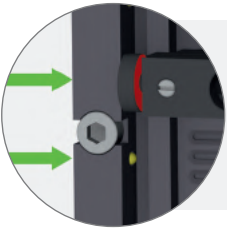
The advantages



Plus d'outils disponibles
Höhere Werkzeuganzahl
More available tools



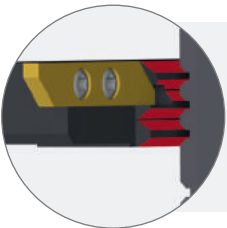
Système d'arrosage efficace
Effizientes Kühlmittelzufuhrsystem
Efficient coolant supply system



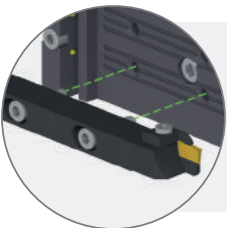
Repositionnement précis, poussée axiale automatique
Präzise Nachpositionierung, automatischer Axialschub
Precise repositioning, automatic axial thrust



Possibilité de pré réglage et de réglage de la longueur des outils
Voreinstellbar auf feste oder einstellbare Länge
Presetting on fixed or adjustable length



Système de fixation robuste et rigide
Robustes und starres Spannsystem
Strong and stable clamping system



Changement d'outil simple et rapide
Einfacher und schneller Werkzeugwechsel
Easy and quick tool replacement

Adaptations disponibles pour les machines suivantes:
 Verfügbare Anpassungen für folgende Maschinen:
 Available adapters for the following machines:

**Citizen - Hanwha -
 Manurhin - Metafil - > 12.06
 Star - Tornos - Tsugami**

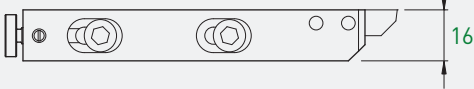
Porte-outils
 Halter
 Holders

INFO > 12.60

ML12



ML16



Right cut



TOP-Line > 12.64

TURN-Line > 12.65

ISO-Line > 12.66

EVOCUT-Line > 12.68

CUT-Line > 12.69

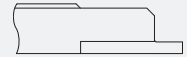
PRO-Line > 12.70

ECO-Line > 12.70

IN-Line > 12.71

TOOLING-Line > 12.73

Cut off line



TOP-Line > 12.74

TURN-Line > 12.76

ISO-Line > 12.77

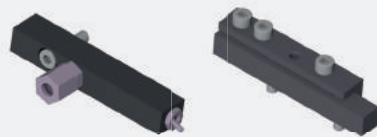
EVOCUT-Line > 12.78

CUT-Line > 12.79

PRO-Line > 12.80

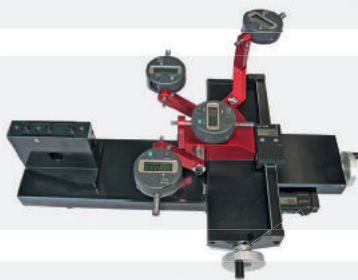
ECO-Line > 12.81

Modules d'arrosage et de serrage
 Kühlmittelzufuhr- und Spannelemente
 Coolant and clamping supply unit



> 12.82

Banc de pré réglage
 Voreinstellgerät
 Presetting device



> 12.84

Pièces de rechange
 Ersatzteile
 Spare parts





> 12.86

Adaptations disponibles pour les machines suivantes

Verfügbare Anpassungen für folgende Maschinen

Available adapters for the following machines

Fabricant Hersteller Manufacturer	Machine Maschine Machine	Adaptations Anpassungen Adapters	Type Typ Type	Page Seite Page	
Citizen	C12/C16	ML12-CITIZEN-C16	ML12	12.06	
	L12-1M7	ML12-CITIZEN-L12-1M7		12.07	
	L12-2M10	ML12-CITIZEN-L12-2M10		12.08	
	M16V/VIII	ML12-CITIZEN-M16V/VIII		12.09	
	R04			ML12-CITIZEN-R04-QTF3101-3T	12.12
				ML12-CITIZEN-R04-QTF5008-4T	12.10
				ML12-CITIZEN-R04-QTF5108-4T	
	R07			ML12-CITIZEN-R07-QTF4008-5T	12.13
				ML12-CITIZEN-R07-QTF4108-6T	
				ML12-CITIZEN-R07-QTF4208-3T	12.14
	ML12-CITIZEN-R07-QTF4608-4T				
	K12/K16	ML16-CITIZEN-K16		ML16	12.15
L16/L20-5M1/5M7	ML16-CITIZEN-L20	12.16			
L20E-1M8/L20X-1M10/ L20-2M8/2M12	ML16-CITIZEN-L20E	12.17			
Hanwha	XD20M	ML12-HANWHA-XD20M	ML12	12.18	
	SL12/16	ML16-HANWHA-SL12/16	ML16	12.19	
Manuhrin	KMX 426/526/626/ Swingg 20-26 MM	ML16-KMX26-DUO	ML16	12.20	
		ML16-KMX26-JET			
Metafil	D3/D10/D13	ML12-D10-3T	ML12	12.21	
Star	SB-12RG	ML12-STAR-SB-12RG	ML12	12.22	
	SR-10J	ML12-STAR-SR-10J		12.23	
	SW-12RII	ML12-STAR-SW-12RII-2T		12.24	
		ML12-STAR-SW-12RII-8T			
	SA-12/SA-16/SA-16R	ML16-STAR-SA-16	ML16	12.25	
	SB-16	ML16-STAR-SB-16		12.26	
	SB-16/20RG	ML16-STAR-SB-16/20RG		12.27	
	SB-20C/E	ML16-STAR-SB-20		12.28	
	SR-16R/SR-20R/SR-20RII	ML16-STAR-SR-20R		12.29	
	SR-20J/SR-20RIII	ML16-STAR-SR-20J		12.30	
	SR-20JII-A/B	ML16-STAR-SR-20JII-A/B 		12.31	
	SR-20RIV	ML16-STAR-SR-20RIV-2T		12.32	
		ML16-STAR-SR-20RIV-6T			
	SR-32J	ML16-STAR-SR-32J		12.33	
	SV-12/20	ML16-STAR-SV-12/20 		12.35	
	SV-20R	ML16-STAR-SV-20R		12.35	
	SW-20R	ML16-STAR-SW-20R-2T		12.36	
ML16-STAR-SW-20R-6T					

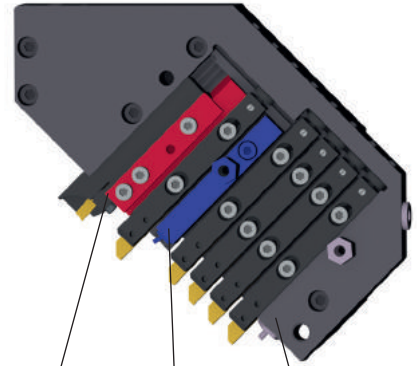
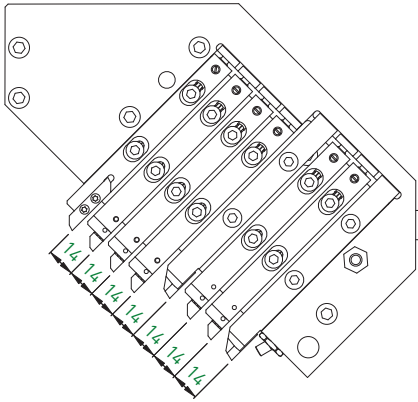
Adaptations disponibles pour les machines suivantes
Verfügbare Anpassungen für folgende Maschinen
Available adapters for the following machines

Fabricant Hersteller Manufacturer	Machine Maschine Machine	Adaptations Anpassungen Adapters	Type Typ Type	Page Seite Page
Tornos	DEC07/10 - EvoDECO 10	ML12-DEC010-DUO	ML12	12.37
		ML12-DEC010-JET		
	SWISS-NANO /SWISS-NANO 7	ML12-SWISS-NANO-2T		12.40
		ML12-SWISS-NANO-3T		
		ML12-SWISS-NANO-6T		
	SWISS-NANO 7	ML12-SWISS-NANO-4T		12.38
	DT13	ML12-DT13-2020206-9T		12.41
	CT20	ML12-CT20-2020019-7T		12.42
	GT13	ML12-GT13-390224-5T		12.43
		ML12-GT13-390223-7T		
	GT26	ML16-GT26-386210-5T		12.44
		ML16-GT26-386209-6T		
	GT32	ML16-GT32-389210-4T		12.46
		ML16-GT32-389209-5T		
	DEC013- EvoDECO16	ML16-DEC013-DUO		12.48
		ML16-DEC013-JET		
DEC020/26 - EvoDECO20/32	ML16-DEC020-DUO	12.50		
	ML16-DEC020-JET			
SIGMA20/32	ML16-S20-DUO	12.51		
	ML16-S20-JET			
SWISS ST26	ML16-SWISS-ST26-DUO	12.52		
	ML16-SWISS-ST26-JET			
DT26	ML16-DT26-2020206-7T	12.53		
Tsugami	B074	ML12-B074-1-6T	ML12	12.54
	B075	ML12-B075-1-8T		12.55
	PO34	ML12-PO34-1-5T		12.56
		ML12-PO34-1-7T		
		ML12-PO34-2-4T		
		ML12-PO34-2-10T		

Citizen C12 / C16

+ 2 outils (max 8)
 + 2 Werkzeuge (max 8)
 + 2 tools (max 8)

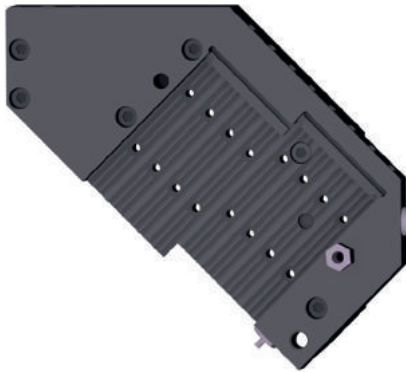
ML12



Outil \square 12 mm possible avec module de serrage
 Werkzeug \square 12 mm mit Spannelement möglich
 Tool \square 12mm possible with clamping unit

Module d'arrosage (prend la place d'un outil)
 Kühlmittelzufuhrelement (nimmt den Platz eines Werkzeuges)
 Coolant supply unit (takes the place of one tool)

Arrosage intégré
 Integrierter Kühlmittel
 Integrated coolant



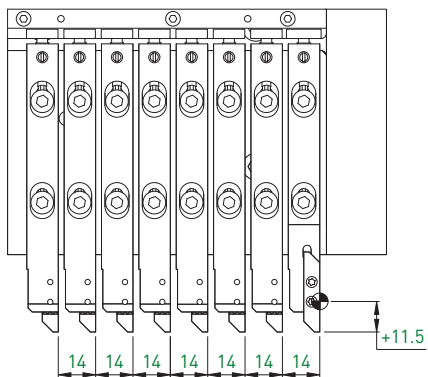
Accessoires
 Zubehöre
 Accessories

Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
ML12-CITIZEN-C16	ML12	> 12.63	ML12-FIX-12/14	ML12-JET-5/16	12.82

Citizen L12-1M7

- + 2 outils (max 8)
- + 2 Werkzeuge (max 8)
- + 2 tools (max 8)

ML12



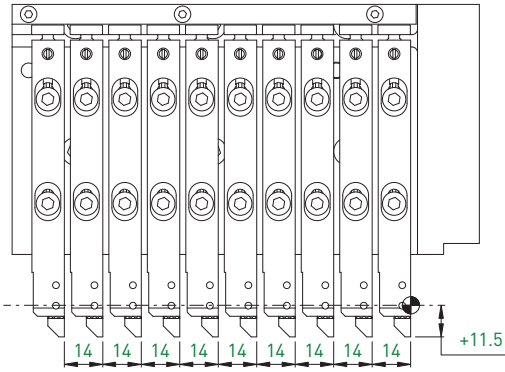
Accessoires
Zubehöre
Accessories

Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
ML12-CITIZEN-L12-1M7	ML12	> 12.63	-	ML12-JET-5/16	12.82

Citizen L12-2M10

- + 3 outils (max 10)
- + 3 Werkzeuge (max 10)
- + 3 tools (max 10)

ML12



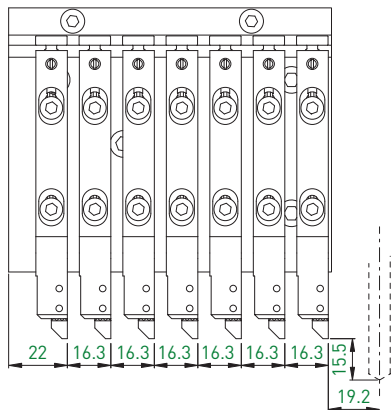
Accessoires
Zubehöre
Accessories

Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
ML12-CITIZEN-L12-2M10	ML12	> 12.63	-	ML12-JET-5/16	12.82

Citizen M16 V/VIII

- + 2 outils (max 7)
- + 2 Werkzeuge (max 7)
- + 2 tools (max 7)

ML12



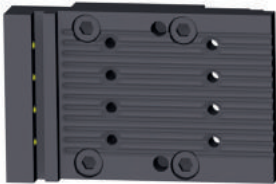
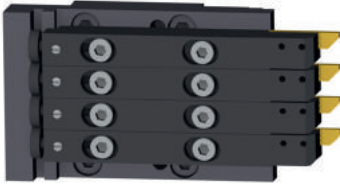
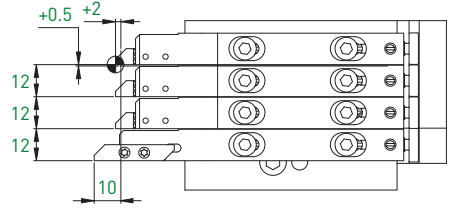
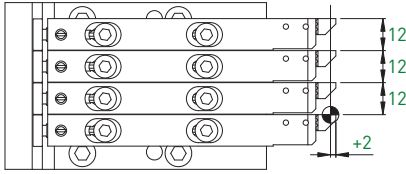
Accessoires
Zubehöre
Accessories

Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
ML12-CITIZEN-M16V/VIII	ML12	> 12.63	-	ML12-JET-5/16	12.82

Citizen R04

- + 1 outil (max 8)
- + 1 Werkzeug (max 8)
- + 1 tool (max 8)

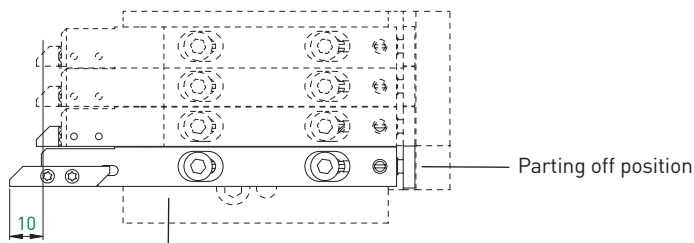
ML12



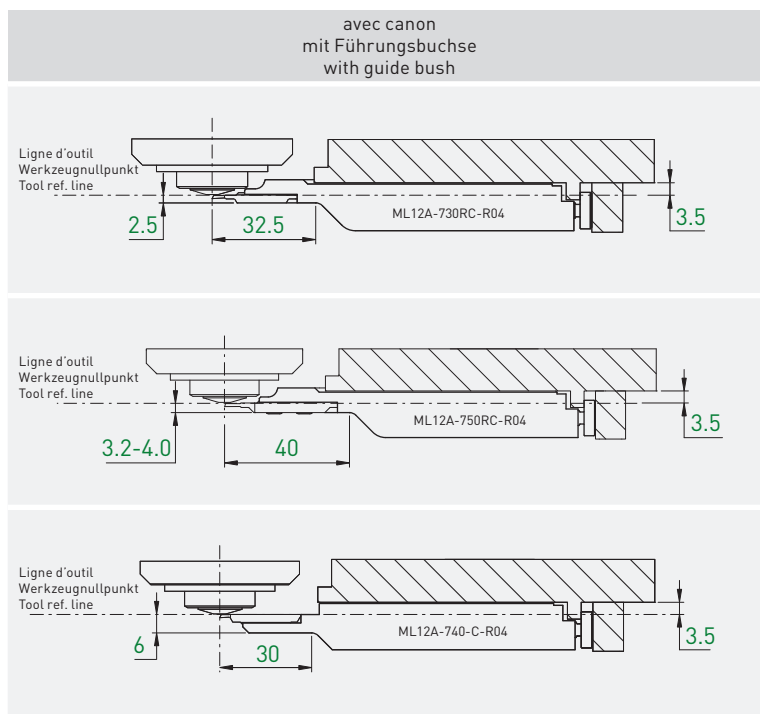
ML12-CITIZEN-R04-QTF5008-4T

ML12-CITIZEN-R04-QTF5108-4T

Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Accessoires Zubehöre Accessories		
				Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
4T	ML12-CITIZEN-R04-QTF5008-4T ML12-CITIZEN-R04-QTF5108-4T	ML12	> 12.63	-	ML12-JET-5/16	12.82



ML12-CITIZEN-R04-QTF5108-4T

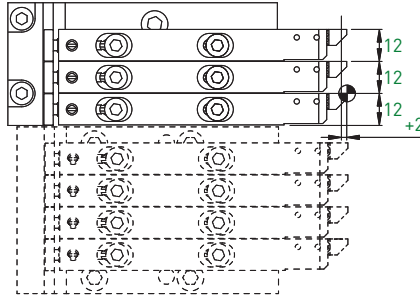


Type de machine Maschinen-Typ Type of machine	Porte-outils Halter Holders	Art. N°	Plaquettes Wendplatten Inserts	Pages Seiten Pages
Citizen R04	ML12	ML12A-730RC-R04	731R... / 731RSF	> TOP-Line TOP-Watch
		ML12A-750RC-R04	751R... / 751RDSF	
		ML12A-740-C-R04	741 / 741SF	

Citizen R04

- + 3 outils (max 3)
- + 3 Werkzeuge (max 3)
- + 3 tools (max 3)

ML12



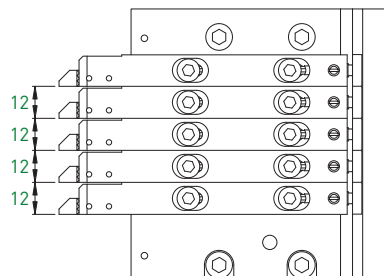
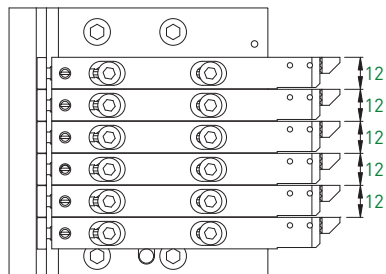
Accessoires
Zubehöre
Accessories

Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmitelzufuhrelement Coolant supply unit	Page Seite Page
ML12-CITIZEN-R04-QTF3101-3T	ML12	> 12.63	-	ML12-JET-5/16	12.82

Citizen R07

- + 1 outil (max 11)
- + 1 Werkzeug (max 11)
- + 1 tool (max 11)

ML12

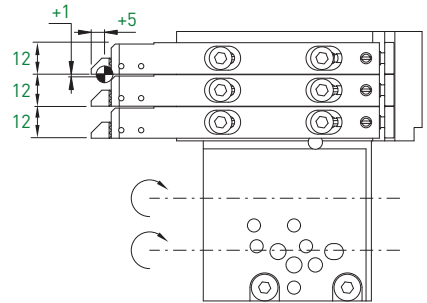
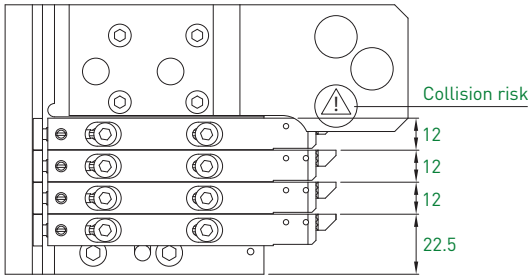


ML12-CITIZEN-R07-QTF4108-6T

ML12-CITIZEN-R07-QTF4008-5T

Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
5T	ML12-CITIZEN-R07-QTF4008-5T	ML12	> 12.63	-	ML12-JET-5/16	12.82
6T	ML12-CITIZEN-R07-QTF4108-6T					

Accessoires
Zubehöre
Accessories



ML12-CITIZEN-R07-QTF4608-4T

ML12-CITIZEN-R07-QTF4208-3T

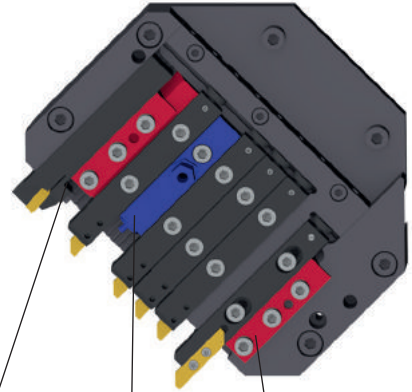
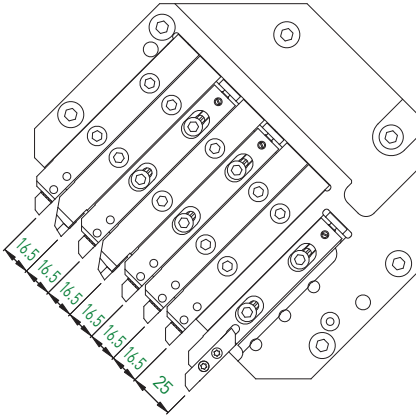
Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
3T	ML12-CITIZEN-R07-QTF4208-3T	ML12	> 12.63	-	ML12-JET-5/16	12.82
4T	ML12-CITIZEN-R07-QTF4608-4T					

Accessoires
 Zubehöre
 Accessories

Citizen K12 / K16
K12E / K16E

+ 2 outils (max 8)
+ 2 Werkzeuge (max 8)
+ 2 tools (max 8)

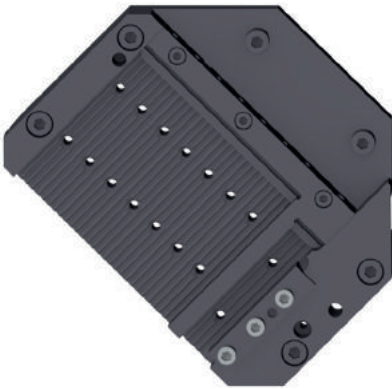
ML16



Outil \square 16 mm possible avec module de serrage
Werkzeug \square 16 mm mit Spannelement möglich
Tool \square 16 mm possible with clamping unit

Module d'arrosage (prend la place d'un outil)
Kühlmittelzufuhrelement (nimmt den Platz eines Werkzeuges)
Coolant supply unit (takes the place of one tool)

1 serrage ML16-FIX-16 pour outil \square 16 mm inclus
1 Spannung ML16-FIX-16 für Werkzeug \square 16 mm inbegriffen
1 clamping ML16-FIX-16 for tool \square 16 mm included



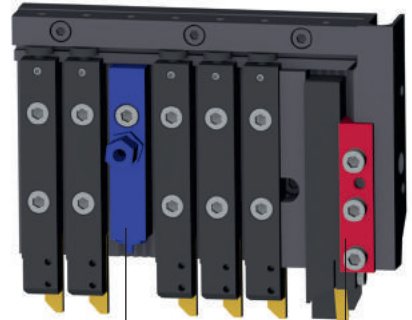
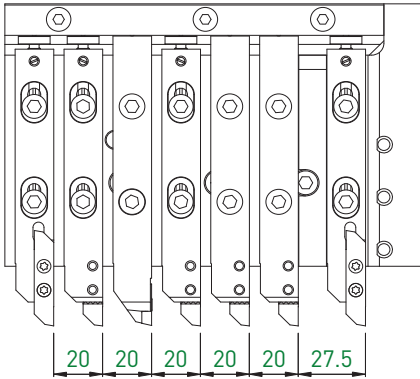
Accessoires
Zubehöre
Accessories

Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
ML16-CITIZEN-K16	ML16	> 12.63	ML16-FIX-16/16.5	ML16-JET-7/16	12.82

Citizen L16 / L20-5M1 / 5M7

- + 1 outil (max 7)
- + 1 Werkzeug (max 7)
- + 1 tool (max 7)

ML16



Module d'arrosage (prend la place d'un outil)
 Kühlmittelzufuhrelement (nimmt den Platz eines Werkzeuges)
 Coolant supply unit (takes the place of one tool)

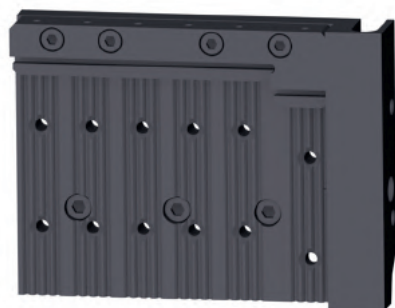
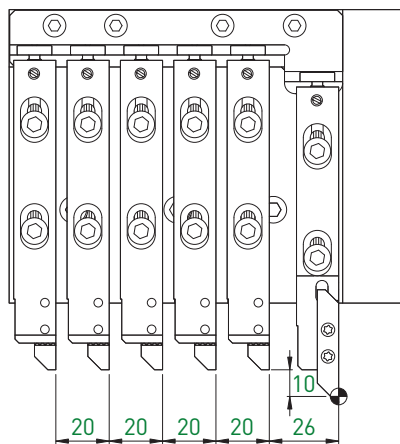
- 1 serrage ML16-FIX-16 pour outil \square 16 mm inclus
- 1 Spannung ML16-FIX-16 für Werkzeug \square 16 mm inbegriffen
- 1 clamping ML16-FIX-16 for tool \square 16 mm included



Accessoires
 Zubehör
 Accessories

Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
ML16-CITIZEN-L20	ML16	> 12.63	-	ML16-JET-7/16	12.82

- L20E-1M8** + 1 outil (max 6)
- Citizen L20X-1M10** + 1 Werkzeug (max 6)
- L20-2M8/2M12** + 1 tool (max 6)



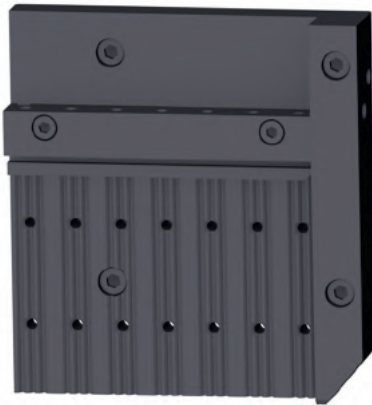
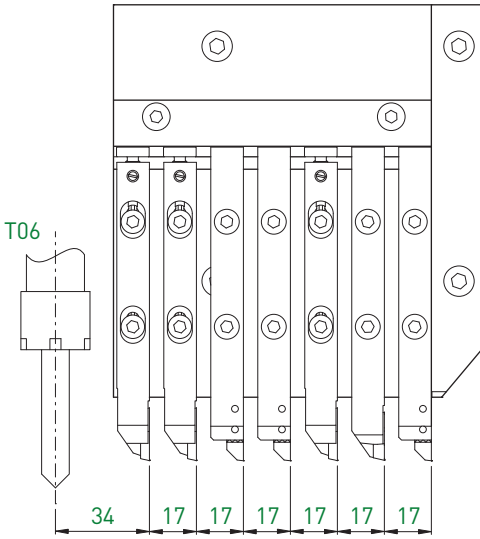
Accessoires
Zubehöre
Accessories

Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmitelzufuhrelement Coolant supply unit	Page Seite Page
ML16-CITIZEN-L20E	ML16	> 12.63	-	ML16-JET-7/16	12.82

Hanwha XD20M

- + 2 outils (max 7)
- + 2 Werkzeuge (max 7)
- + 2 tools (max 7)

ML12



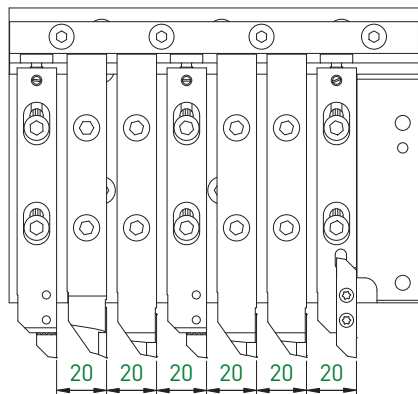
Accessoires
Zubehöre
Accessories

Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
ML12-HANWHA-XD20M	ML12	> 12.63	-	ML12-JET-5/16	12.82

Hanwha SL12 / 16

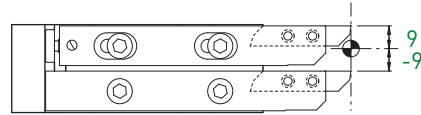
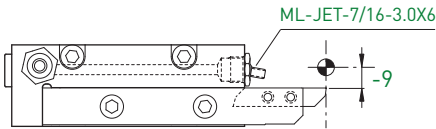
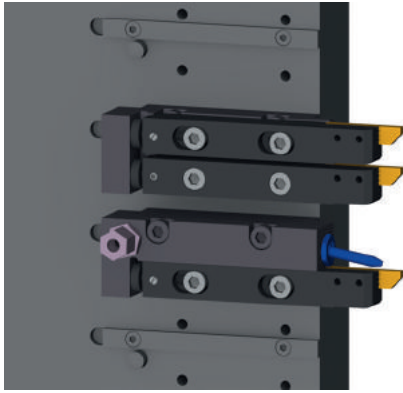
- + 1 outil (max 7)
- + 1 Werkzeug (max 7)
- + 1 tool (max 7)

ML16



Accessoires
Zubehöre
Accessories

Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
ML16-HANWHA-SL12/16	ML16	> 12.63	-	ML16-JET-7/16	12.82



Jet

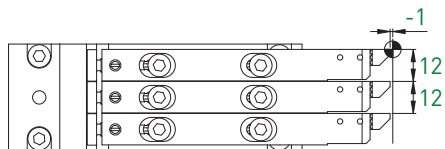


Duo

Accessoires
Zubehöre
Accessories

Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
Jet	ML16-KMX26-JET	ML16	> 12.63	-	ML-JET-7/16...	12.82
Duo	ML16-KMX26-DUO				ML16-JET-7/16	

D3	+ 1 outil (max 3)	ML12
Metafil D10	+ 1 Werkzeug (max 3)	
D13	+ 1 tool (max 3)	

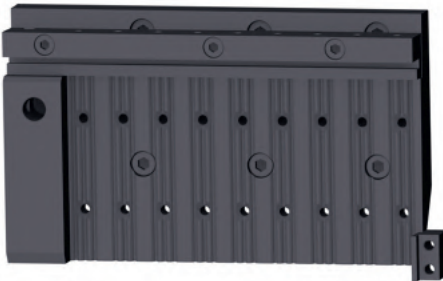
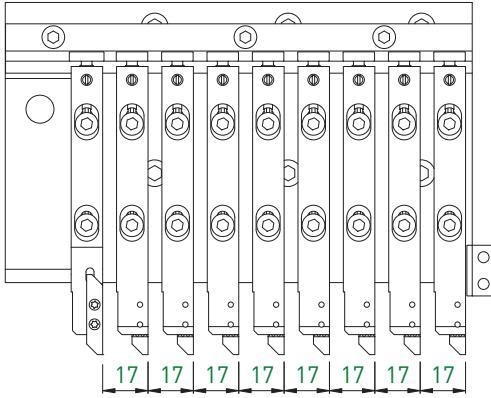


Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Accessoires Zubehöre Accessories		
			Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
ML12-D10-3T	ML12	> 12.63	-	ML12-JET-5/16	12.82

Star SB-12RG

- + 2 outils (max 9)
- + 2 Werkzeuge (max 9)
- + 2 tools (max 9)

ML12

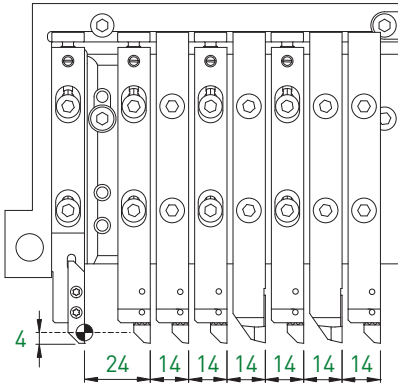


			Accessoires Zubehöre Accessories		
Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
ML12-STAR-SB-12RG	ML12	> 12.63	-	ML12-JET-5/16	12.82

Star SR-10J

+ 2 outils (max 8)
 + 2 Werkzeuge (max 8)
 + 2 tools (max 8)

ML12



1 serrage ML12-FIX-12 pour outil \square 12 mm inclus
 1 Spannung ML12-FIX-12 für Werkzeug \square 12 mm inbegriffen
 1 clamping ML12-FIX-12 for tool \square 12 mm included

Module d'arrosage (prend la place d'un outil)
 Kühlmittelzufuhrelement (nimmt den Platz eines Werkzeuges)
 Coolant supply unit (takes the place of one tool)



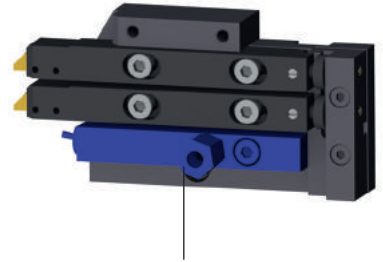
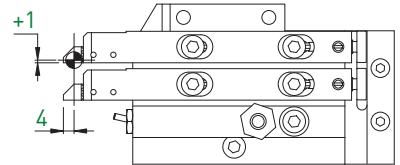
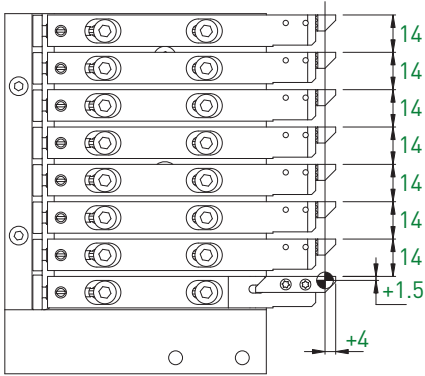
Accessoires
 Zubehör
 Accessories

Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
ML12-STAR-SR-10J	ML12	> 12.63	ML12-FIX-12/14	ML12-JET-5/16	12.82

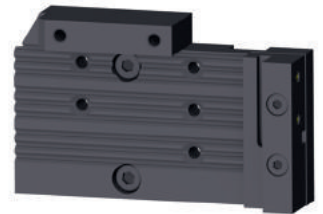
Star SW-12RII

+ 2 outils (max 10)
 + 2 Werkzeuge (max 10)
 + 2 tools (max 10)

ML12



Position uniquement utilisable avec module d'arrosage, en option
 Position nur mit Kühlmittelzufuhrelement verwendbar, optional
 Position only with coolant supply unit usable, optional



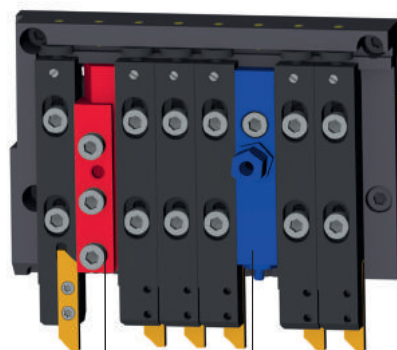
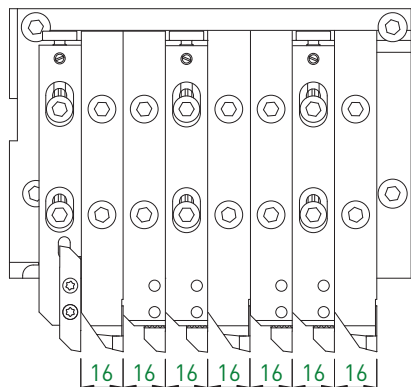
ML12-STAR-SW-12RII-8T

ML12-STAR-SW-12RII-2T

Accessoires
 Zubehör
 Accessories

Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
2T	ML12-STAR-SW-12RII-2T	ML12	> 12.63	-	ML12-JET-5/16	12.82
8T	ML12-STAR-SW-12RII-8T					

- SA-12 + 2 outils (max 8)
- Star SA-16 + 2 Werkzeuge (max 8)
- SA-16R + 2 tools (max 8)



Outil 16 mm possible avec module de serrage
 Werkzeug 16 mm mit Spannelement möglich
 Tool 16 mm possible with clamping unit

Module d'arrosage (prend la place d'un outil)
 Kühlmittelzufuhrelement (nimmt den Platz eines Werkzeuges)
 Coolant supply unit (takes the place of one tool)



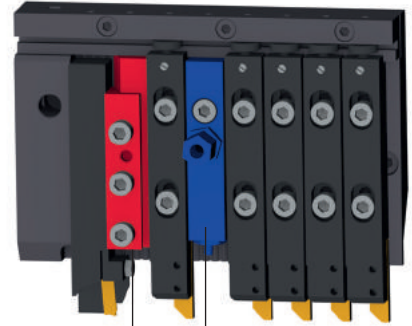
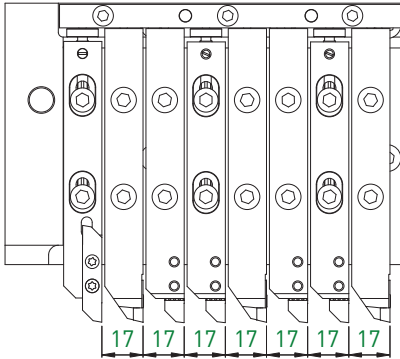
Accessoires
 Zubehör
 Accessories

Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
ML16-STAR-SA-16	ML16	> 12.63	ML16-FIX-16/16	ML16-JET-7/16	12.82

Star SB-16

- + 3 outils (max 8)
- + 3 Werkzeuge (max 8)
- + 3 tools (max 8)

ML16



Outil \square 16 mm possible avec module de serrage
 Werkzeug \square 16 mm mit Spannelement möglich
 Tool \square 16 mm possible with clamping unit

Module d'arrosage (prend la place d'un outil)
 Kühlmittelzufuhrelement (nimmt den Platz eines Werkzeuges)
 Coolant supply unit (takes the place of one tool)



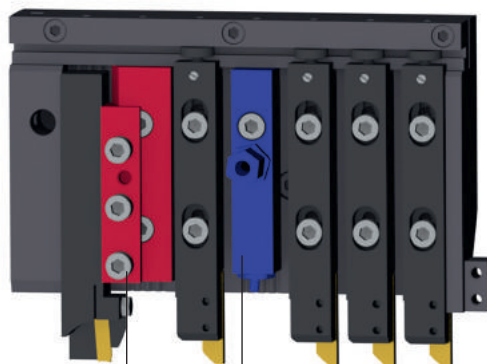
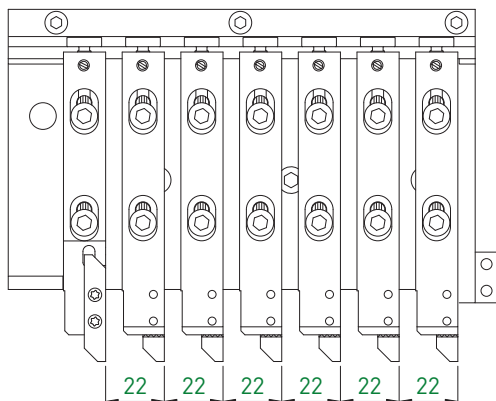
Accessoires
 Zubehöre
 Accessories

Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
ML16-STAR-SB-16	ML16	> 12.63	ML16-FIX-16/17	ML16-JET-7/16	12.82

Star SB-16/20RG

- + 1 outil (max 7)
- + 1 Werkzeug (max 7)
- + 1 tool (max 7)

ML16



Outil \square 16 mm possible avec module de serrage
 Werkzeug \square 16 mm mit Spannelement möglich
 Tool \square 16 mm possible with clamping unit

Module d'arrosage (prend la place d'un outil)
 Kühlmittelzufuhrelement (nimmt den Platz eines Werkzeuges)
 Coolant supply unit (takes the place of one tool)



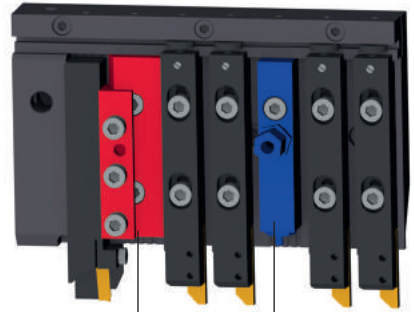
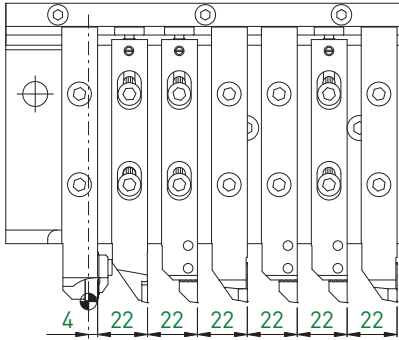
Accessoires
 Zubehör
 Accessories

Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
ML16-STAR-SB-16/20RG	ML16	> 12.63	ML16-FIX-16/22	ML16-JET-7/16	12.82

Star SB-20C/E

- + 1 outil (max 7)
- + 1 Werkzeug (max 7)
- + 1 tool (max 7)

ML16



Outil \square 16 mm possible avec module de serrage
 Werkzeug \square 16 mm mit Spannelement möglich
 Tool \square 16 mm possible with clamping unit

Module d'arrosage (prend la place d'un outil)
 Kühlmittelzufuhrelement (nimmt den Platz eines Werkzeuges)
 Coolant supply unit (takes the place of one tool)

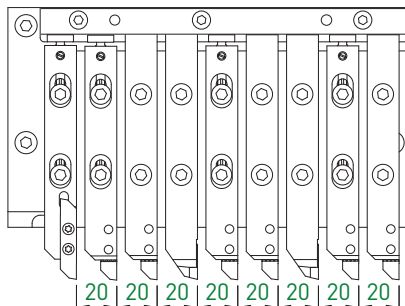


Accessoires
 Zubehöre
 Accessories

Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
ML16-STAR-SB20C/E	ML16	> 12.63	ML16-FIX-16/22	ML16-JET-7/16	12.82

- SR-16R + 3 outils (max 9)
- Star SR-20R + 3 Werkzeuge (max 9)
- SR-20RII + 3 tools (max 9)

ML16



Outil 16 mm possible avec module de serrage
 Werkzeug 16 mm mit Spannelement möglich
 Tool 16 mm possible with clamping unit

Module d'arrosage (prend la place d'un outil)
 Kühlmittelzufuhrelement (nimmt den Platz eines Werkzeuges)
 Coolant supply unit (takes the place of one tool)



Accessoires
 Zubehör
 Accessories

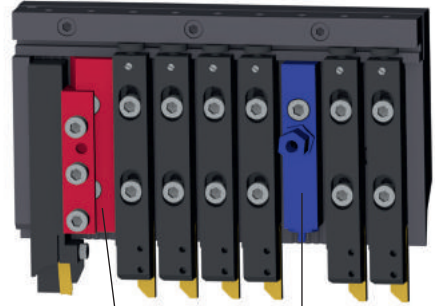
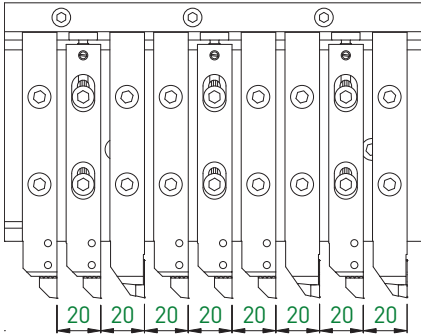
Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
ML16-STAR-SR-20R	ML16	> 12.63	ML16-FIX-16/20	ML16-JET-7/16	12.82

MODU-LINE

Star **SR-20RIII**
SR-20J

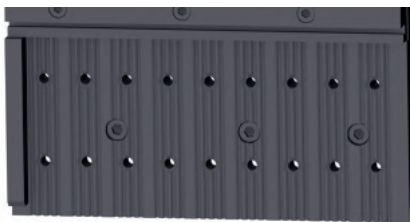
+ 3 outils (max 9)
+ 3 Werkzeuge (max 9)
+ 3 tools (max 9)

ML16



Outil 16 mm possible avec module de serrage
Werkzeug 16 mm mit Spannelement möglich
Tool 16 mm possible with clamping unit

Module d'arrosage (prend la place d'un outil)
Kühlmittelzufuhrelement (nimmt den Platz eines Werkzeuges)
Coolant supply unit (takes the place of one tool)



Accessoires
Zubehöre
Accessories

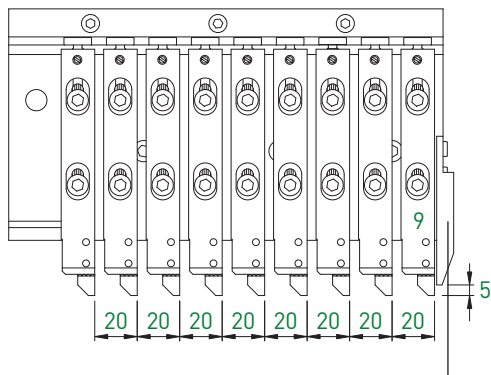
Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
ML16-STAR-SR-20RIII	ML16	> 12.63	ML16-FIX-16/20	ML16-JET-7/16	12.82
ML16-STAR-SR-20J					

Star SR20JII type A/B

- + 3 outils (max 9)
- + 3 Werkzeuge (max 9)
- + 3 tools (max 9)

ML16

new



Risque de collision avec outil 9
 Kollisionsrisiko mit Werkzeug 9
 Collision risk with tool 9



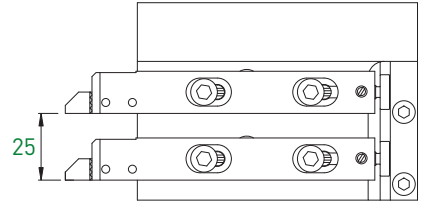
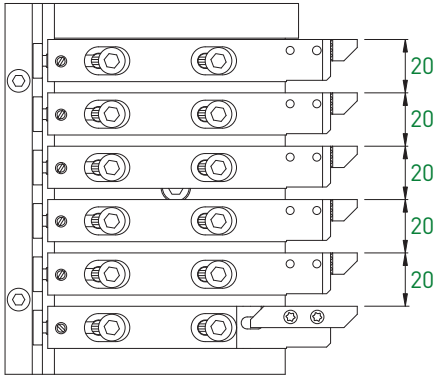
Accessoires
 Zubehöre
 Accessories

Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
ML16-STAR-SR20JII-A/B	ML16	> 12.63	ML16-FIX-16/20	ML16-JET-7/16	12.82

Star SR-20RIV

- + 1 outil (max 8)
- + 1 Werkzeug (max 8)
- + 1 tool (max 8)

ML16



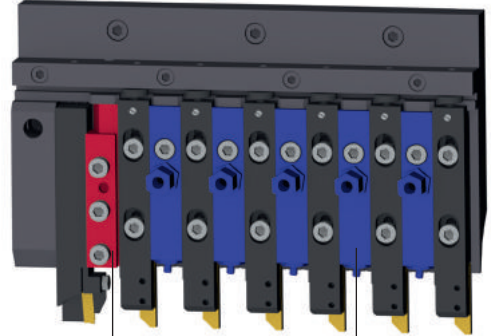
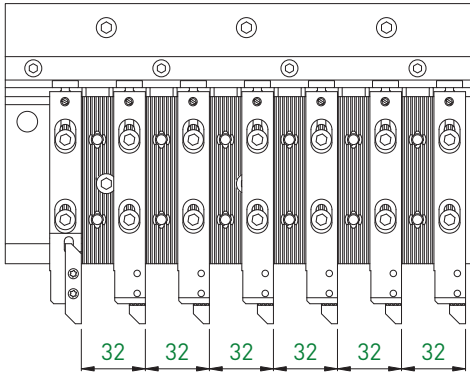
ML16-STAR-SR-20RIV-6T

ML16-STAR-SR-20RIV-2T

Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Accessoires Zubehöre Accessories		
				Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelezufuhrelement Coolant supply unit	Page Seite Page
2T	ML16-STAR-SR-20RIV-2T	ML16	> 12.63	-	ML16-JET-7/16	12.82
6T	ML16-STAR-SR-20RIV-6T					

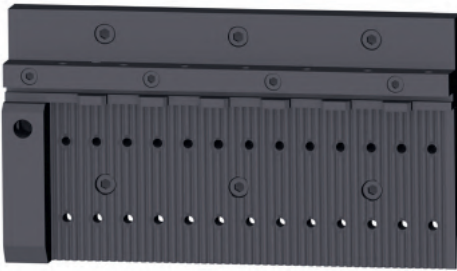
Star SR-32J \varnothing max 32 mm + 1 outil (max 7)
 + 1 Werkzeug (max 7)
 + 1 tool (max 7)

\varnothing max 16 mm + 7 outils (max 13)
 + 7 Werkzeuge (max 13) **ML16**
 + 7 tools (max 13)



Outil \varnothing 16 mm possible avec module de serrage
 Werkzeug \varnothing 16 mm mit Spannelement möglich
 Tool \varnothing 16 mm possible with clamping unit

Module d'arrosage (prend la place d'un outil)
 Kühlmittelzufuhrelement (nimmt den Platz eines Werkzeuges)
 Coolant supply unit (takes the place of one tool)

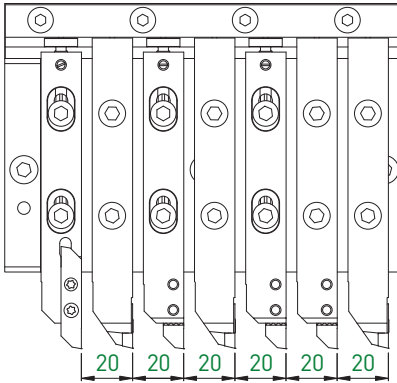


			Accessoires Zubehöre Accessories		
Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
ML16-STAR-SR-32J	ML16	> 12.63	ML16-FIX-16/16	ML16-JET-7/16	12.82

Star SV-12 / 20

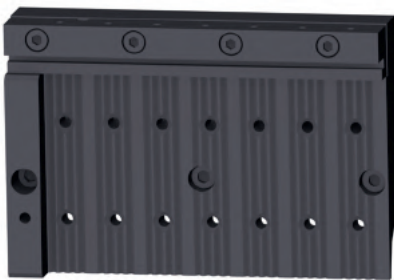
+ 2 outils (max 7)
 + 2 Werkzeuge (max 7)
 + 2 tools (max 7)

ML16



Outil \square 16 mm possible avec module de serrage
 Werkzeug \square 16 mm mit Spannelement möglich
 Tool \square 16 mm possible with clamping unit

Module d'arrosage (prend la place d'un outil)
 Kühlmittelzufuhrelement (nimmt den Platz eines Werkzeugs)
 Coolant supply unit (takes the place of one tool)



Accessoires
 Zubehör
 Accessories

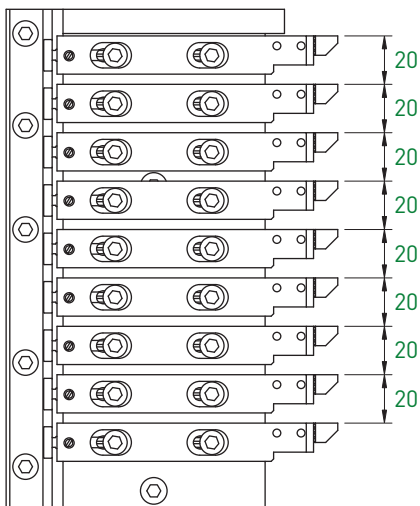
Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
ML16-STAR-SV-12/20	ML16	> 12.63	ML16-FIX-16/20	ML16-JET-7/16	12.82

Star SV-20R

- + 2 outils (max 9)
- + 2 Werkzeuge (max 9)
- + 2 tools (max 9)

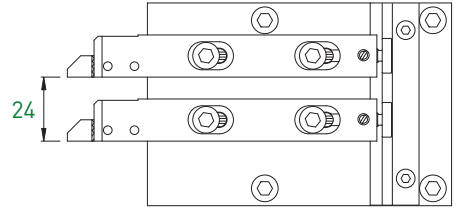
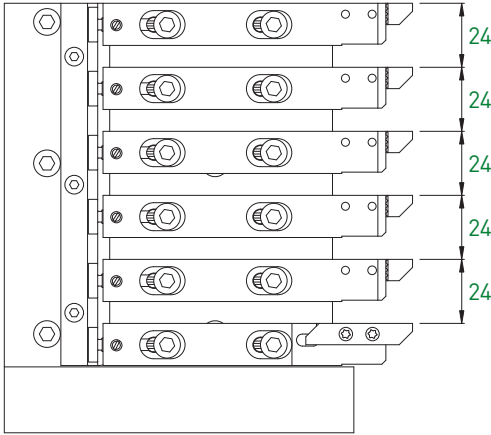
ML16

new



Accessoires
Zubehöre
Accessories

Art. N°	Porte-outils Holder Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
ML16-STAR-SV-20R	ML16	> 12.63	ML16-FIX-16/20	ML16-JET-7/16	12.82

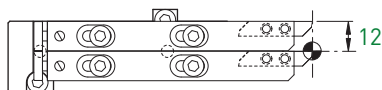
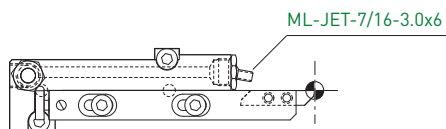


ML16-STAR-SW-20R-6T

ML16-STAR-SW-20R-2T

Accessoires
 Zubehöre
 Accessories

Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelezufuhrelement Coolant supply unit	Page Seite Page
2T	ML16-STAR-SW-20R-2T	ML16	> 62	-	ML16-JET-7/16	12.82
6T	ML16-STAR-SW-20R-6T			ML16-FIX-16/24		



Jet



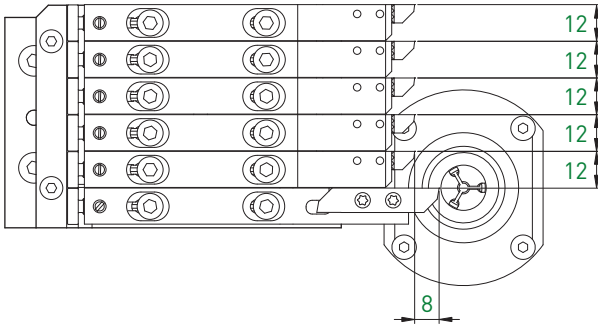
Duo

Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Accessoires Zubehöre Accessories	Module d'arrosage Kühlmittelezufuhrelement Coolant supply unit	Page Seite Page
Jet	ML12-DEC010-JET	ML12	> 12.63	-		ML-JET-7/16...	12.82
Duo	ML12-DEC010-DUO					ML12-JET-5/16	

Tornos **SwissNano**
SwissNano 7

+ 2 outils (max 6)
+ 2 Werkzeuge (max 6)
+ 2 tools (max 6)

ML12



6T



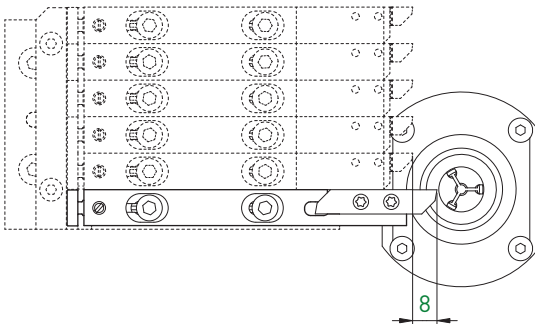
6T

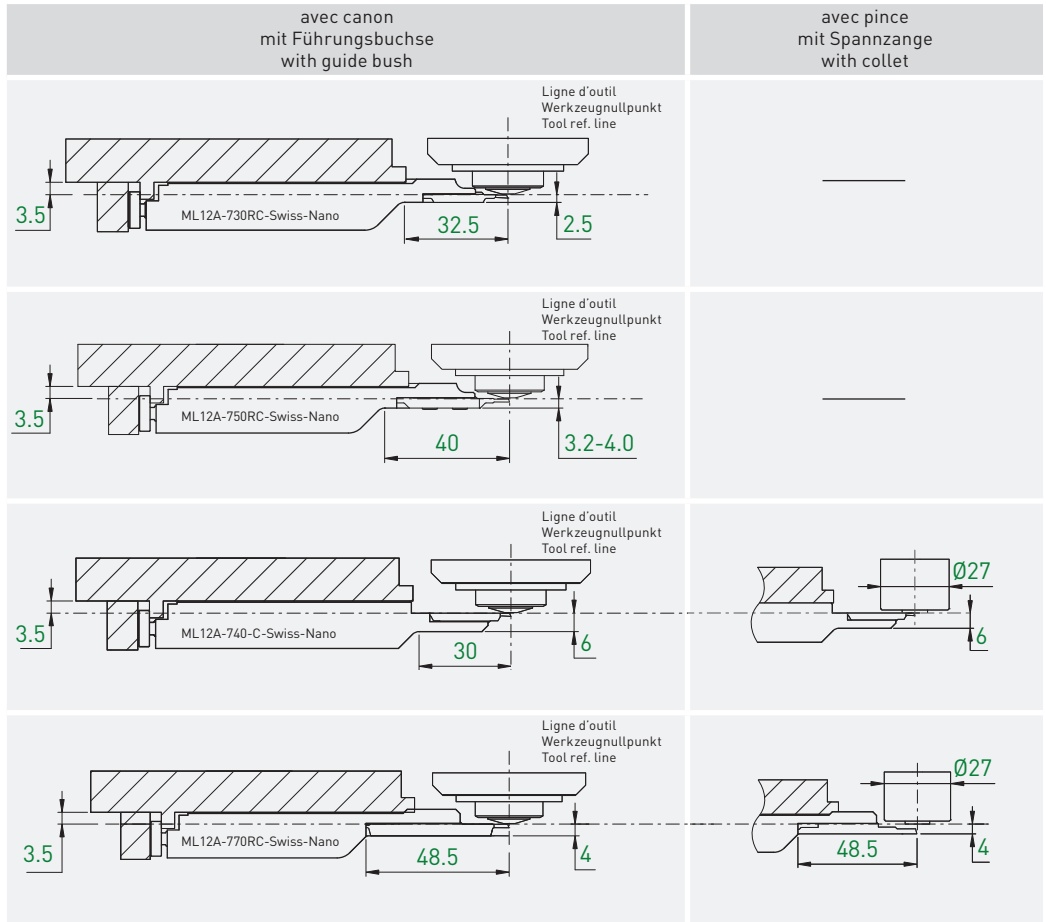
Accessoires
Zubehöre
Accessories

Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelezufuhrelement Coolant supply unit	Page Seite Page
6T	ML12-SWISS-NANO-6T	ML12	> 12.63	-	ML12-JET-5/16	12.82

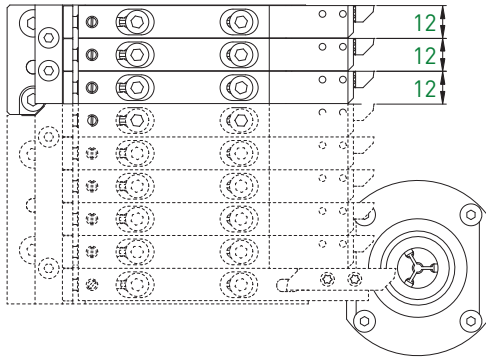
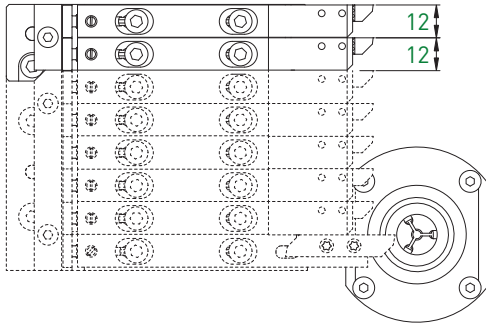
Tornos **SwissNano**
SwissNano 7

ML12



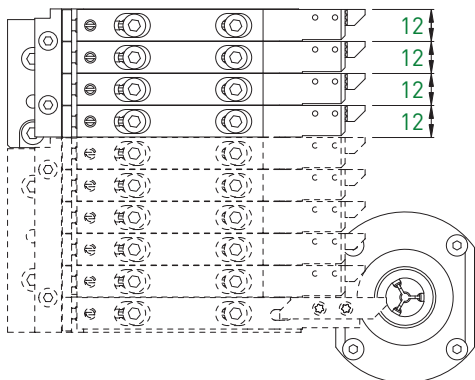


Type de machine Maschinen-Typ Type of machine	Porte-outils Halter Holders	Art. N°	Plaquettes Wendepplatten Inserts	Pages Seiten Pages
SwissNano	ML12	ML12A-730RC-SWISS-NANO	731R... / 731RSF	> TOP-Line TOP-Watch
		ML12A-750RC-SWISS-NANO	751R... / 751RDSF	
		ML12A-740-C-SWISS-NANO	741... / 741SF	> TOP-Line
		ML12A-770RC-SWISS-NANO	771R...	



Accessoires
Zubehöre
Accessories

Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
2T	ML12-SWISS-NANO-2T	ML12	> 12.63	-	ML12-JET-5/16	12.82
3T	ML12-SWISS-NANO-3T					

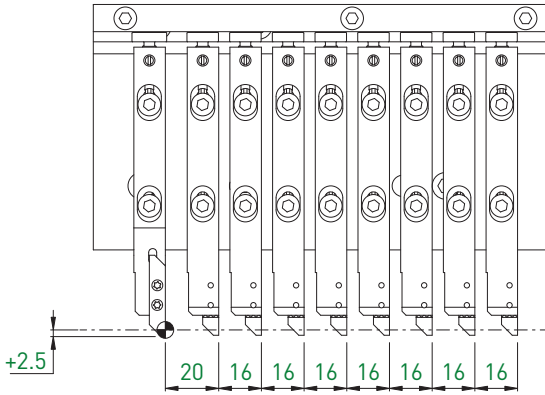


Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Accessoires Zubehöre Accessories		
				Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelezufuhrelement Coolant supply unit	Page Seite Page
4T	ML12-SWISS-NANO-7-4T	ML12	> 12.63	-	ML12-JET-5/16	12.82

Tornos DT 13

+ 3 outils (max 9)
 + 3 Werkzeuge (max 9)
 + 3 tools (max 9)

ML12



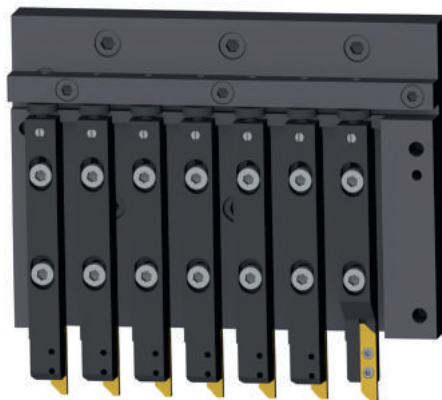
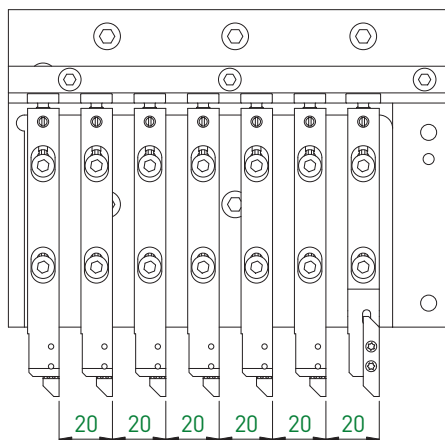
Accessoires
 Zubehör
 Accessories

Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmitelzufuhrelement Coolant supply unit	Page Seite Page
9T	ML12-DT13-2020206-9T	ML12	> 12.63	-	ML12-JET-5/16	12.82

Tornos CT 20

- + 1 outil (max 7)
- + 1 Werkzeug (max 7)
- + 1 tool (max 7)

ML12



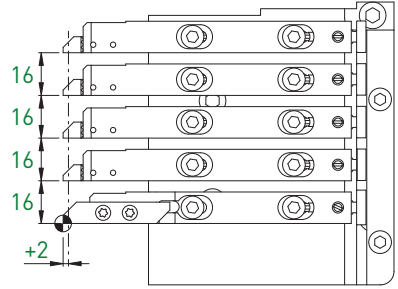
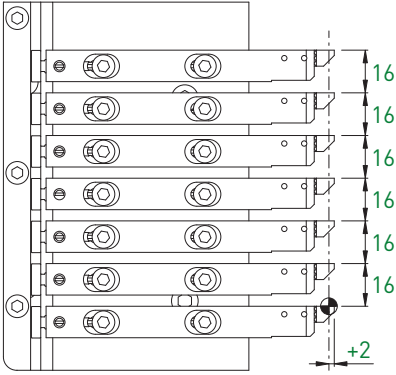
Accessoires
Zubehöre
Accessories

Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
7T	ML12-CT20-2020019-7T	ML12	> 12.63	-	ML12-JET-5/16	12.82

Tornos GT 13

- + 5 outils (max 12)
- + 5 Werkzeuge (max 12)
- + 5 tools (max 12)

ML12



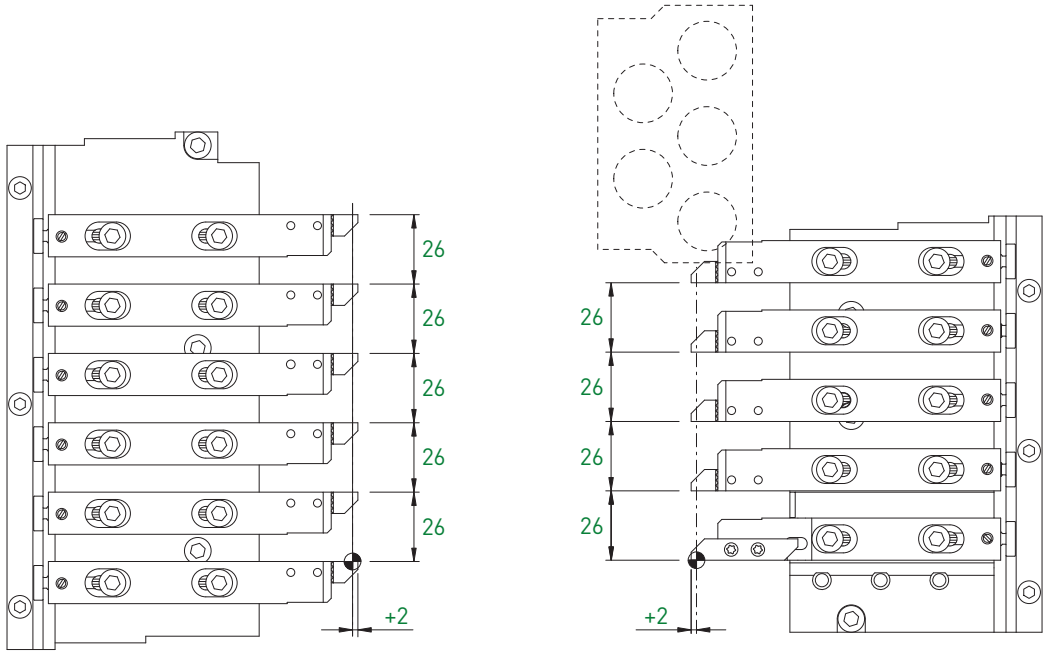


ML12-GT13-390223-7T



ML12-GT13-390224-5T

Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Accessoires Zubehöre Accessories		
				Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
5T	ML12-GT13-390224-5T	ML12	> 12.63	-	ML12-JET-5/16	12.82
7T	ML12-GT13-390223-7T					



1 serrage ML16-FIX-16 pour outil \square 16 mm inclus
 1 Spannung ML16-FIX-16 für Werkzeug \square 16 mm inbegriffen
 1 clamping ML16-FIX-16 for tool \square 16 mm included



ML16-GT26-386209-6T



ML16-GT26-386210-5T

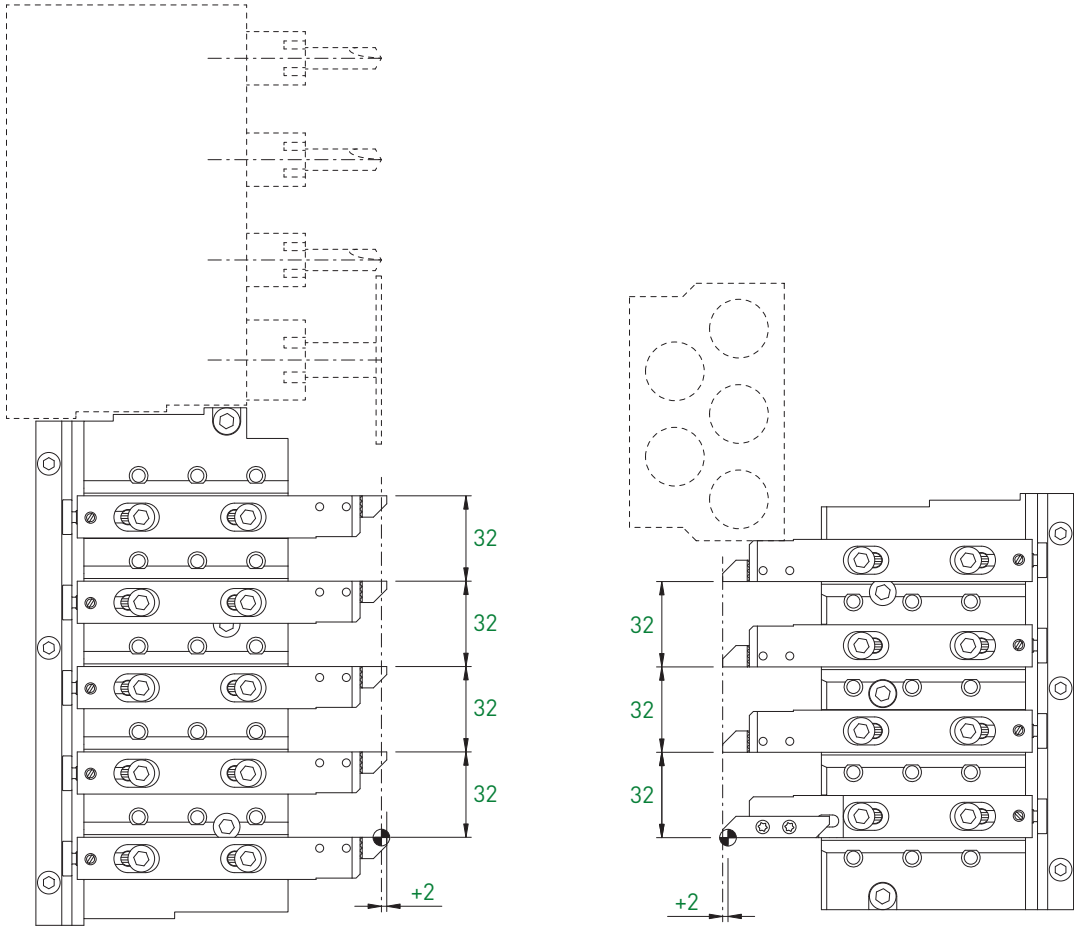
Accessoires
Zubehöre
Accessories

Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelezufuhrelement Coolant supply unit	Page Seite Page
5T	ML16-GT26-386210-5T	ML16	> 12.63	-	ML16-JET-7/16	12.82
6T	ML16-GT26-386209-6T					

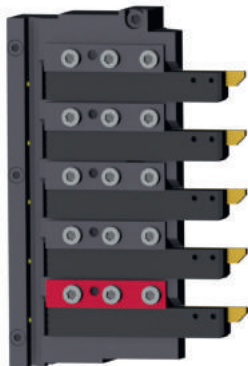
Tornos GT 32

max + 9 outils
 + 9 Werkzeuge
 + 9 tools

ML16



Holder ML16



Holder □16



Holder ML16



Holder □16

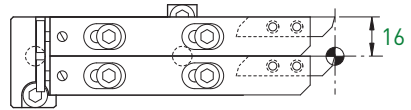
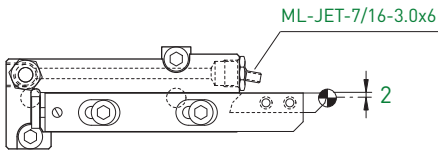


ML16-GT32-386209-5T



ML16-GT32-386210-4T

				Accessoires Zubehöre Accessories			
Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit		Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Pages Seiten Pages
4T	ML16-GT32-386210-4T	ML16	> 12.63	1x inclus 1x inbegriffen 1x included		ML16-JET-7/16	12.82
5T	ML16-GT32-386209-5T			Option ML16-FIX-16			



Jet



Duo

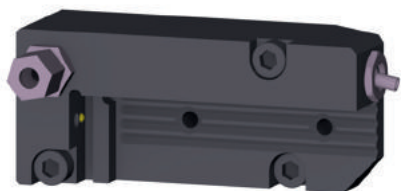
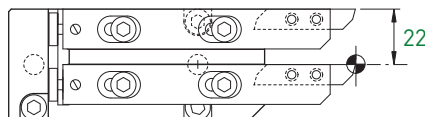
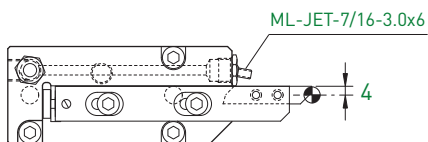
Accessoires
Zubehöre
Accessories

Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelezufuhrelement Coolant supply unit	Page Seite Page
Jet	ML16-DEC013-JET	ML16	> 12.63	-	ML-JET-7/16...	12.82
Duo	ML16-DEC013-DUO				ML16-JET-7/16	12.82

Jet



Duo



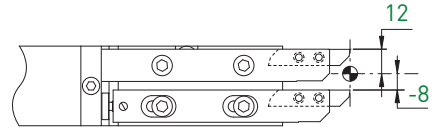
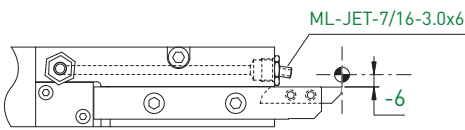
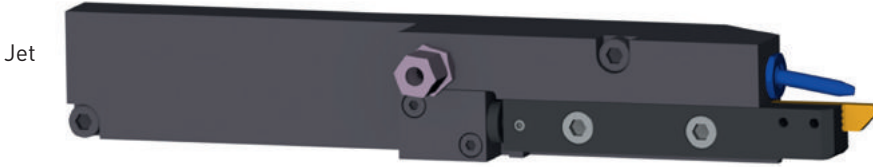
Jet



Duo

Accessoires
Zubehöre
Accessories

Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelezufuhrelement Coolant supply unit	Page Seite Page
Jet	ML16-DECO20-JET	ML16	> 12.63	-	ML-JET-7/16...	12.82
Duo	ML16-DECO20-DUO				ML16-JET-7/16	12.82



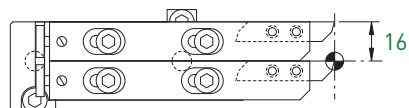
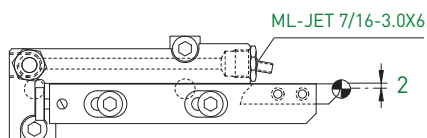
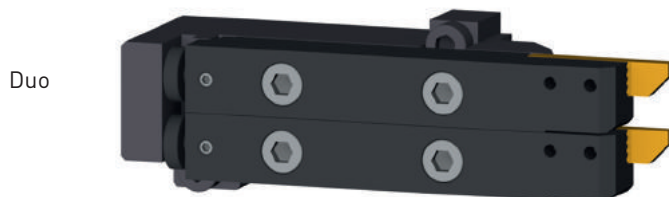
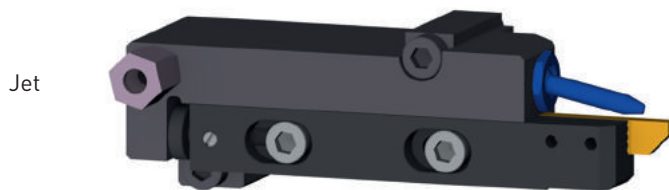
Jet



Duo

Accessoires
Zubehöre
Accessories

Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelezufuhrelement Coolant supply unit	Page Seite Page
Jet	ML16-S20-JET	ML16	> 12.63	-	ML-JET-7/16...	12.82
Duo	ML16-S20-DUO				ML16-JET-7/16	12.82



Jet



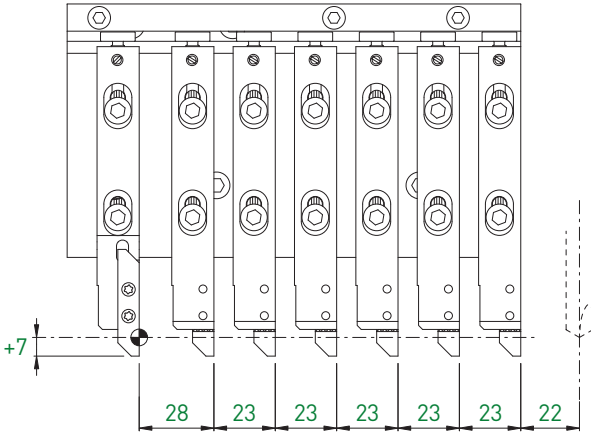
Duo

Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Module de serrage Spannelement Clamping unit	Accessoires Zubehöre Accessories	Page Seite Page
Jet	ML16-SWISS-ST26-JET	ML16	> 12.63	-	Module d'arrosage Kühlmittelezufuhrelement Coolant supply unit	12.82
Duo	ML16-SWISS-ST26-DUO				ML-JET-7/16...	12.82

Tornos DT 26

- + 1 outil (max 7)
- + 1 Werkzeug (max 7)
- + 1 tool (max 7)

ML16

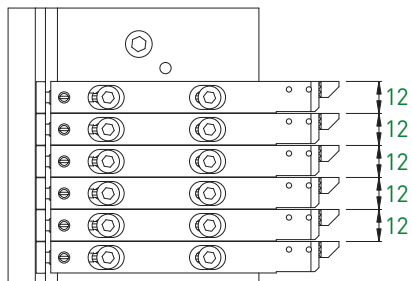


Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Accessoires Zubehöre Accessories		
				Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
7T	ML16-DT26-2020206-7T	ML16	> 12.63	-	ML16-JET-7/16	12.82

Tsugami B074

- + 3 outils (max 6)
- + 3 Werkzeuge (max 6)
- + 3 tools (max 6)

ML12

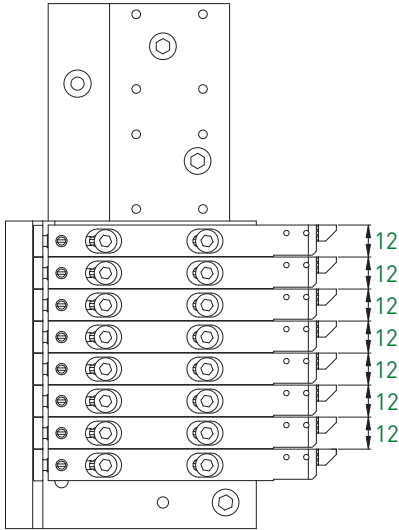


Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Accessoires Zubehöre Accessories		
				Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
6T	ML12-B074-1-6T	ML12	> 12.63	-	ML12-JET-5/16	12.82

Tsugami B075

+ 5 outils (max 8)
 + 5 Werkzeuge (max 8)
 + 5 tools (max 8)

ML12

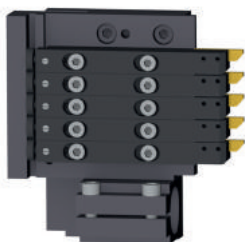
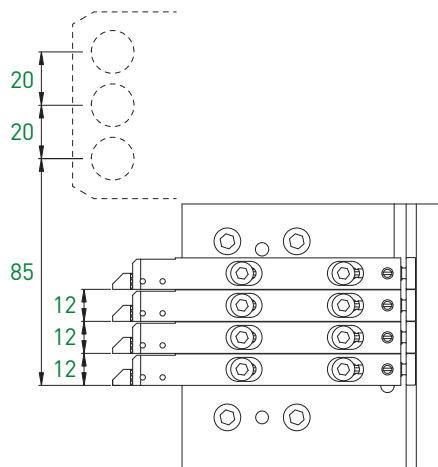
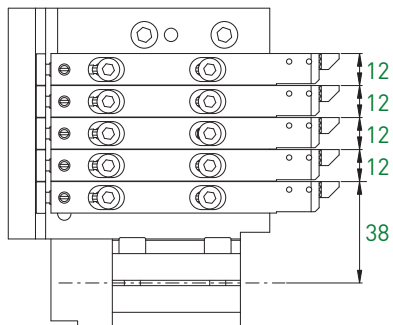


Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Accessoires Zubehöre Accessories		
				Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmitelzufuhrelement Coolant supply unit	Page Seite Page
8T	ML12-B075-1-8T	ML12	> 12.63	-	ML12-JET-5/16	12.82

Tsugami P034

- + 3 outils (max 9)
- + 3 Werkzeuge (max 9)
- + 3 tools (max 9)

ML12



ML12-P034-1-5T

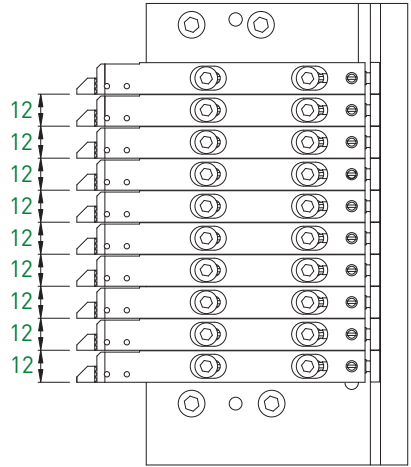
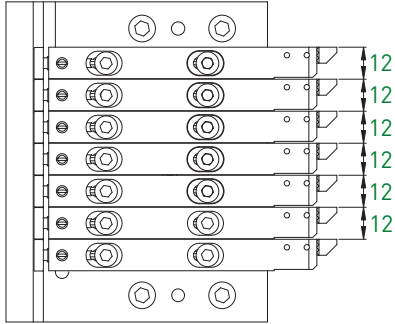
ML12-P034-2-4T

Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Accessoires Zubehöre Accessories		
				Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmittelzufuhrelement Coolant supply unit	Page Seite Page
4T	ML12-P034-2-4T	ML12	> 12.63	-	ML12-JET-5/16	12.82
5T	ML12-P034-1-5T					

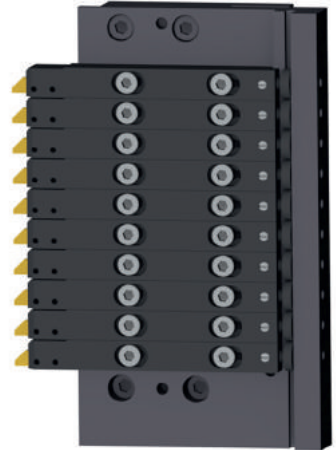
Tsugami P034

max + 17 outils
+ 17 Werkzeuge
+ 17 tools

ML12



ML12-P034-1-7T



ML12-P034-2-10T



ML12-P034-1-7T



ML12-P034-2-10T

Type Typ Type	Art. N°	Porte-outils Halter Holders	Pages Seiten Pages	Accessoires Zubehöre Accessories		
				Module de serrage Spannelement Clamping unit	Module d'arrosage Kühlmitelzufuhrelement Coolant supply unit	Page Seite Page
7T	ML12-P034-1-7T	ML12	> 12.63	-	ML12-JET-5/16	12.82
10T	ML12-P034-2-10T					

Les différents types de porte-outils
Die verschiedenen Haltertypen
The various types of holders

Type Standard

ML12A-740



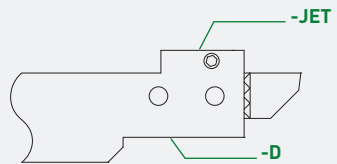
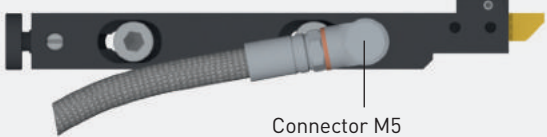
Type -D

ML12A-740-D



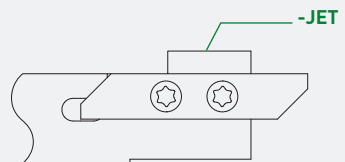
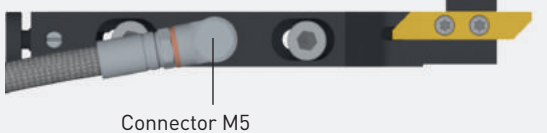
Type -JET-D

ML12A-740-JET-D



Type -JET

ML12A-740-JET



Informations techniques
 Technische Informationen
 Technical information

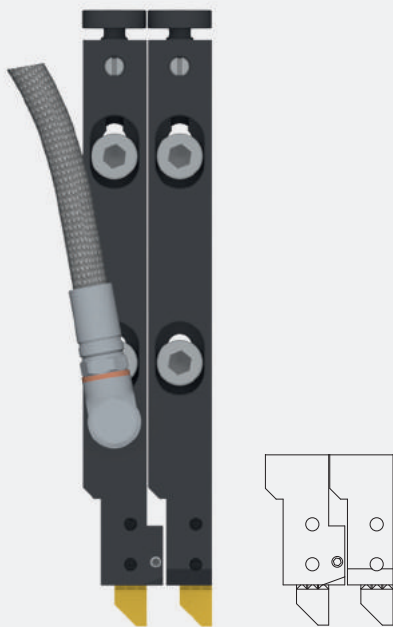
Porte-outils
 Halter
 Holders

Compatibilité
 Kompatibilität
 Compatibility

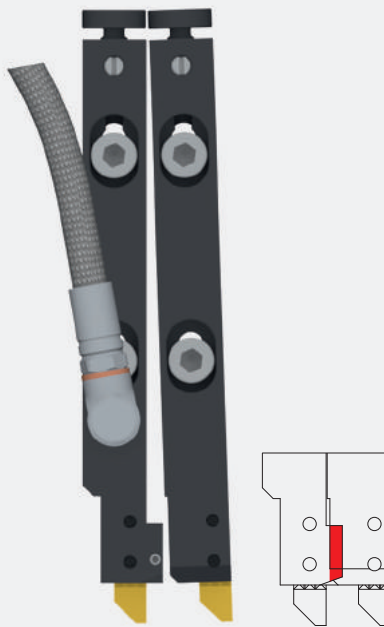
OK

NOT OK

-JET-D -D



-JET-D -Standard



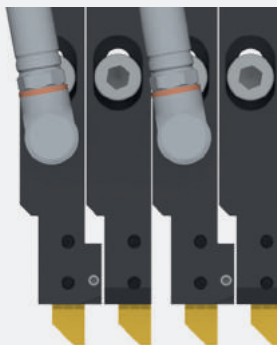
MIX

TYPE D

-Standard -JET-D -D



-JET-D -D -JET-D -D



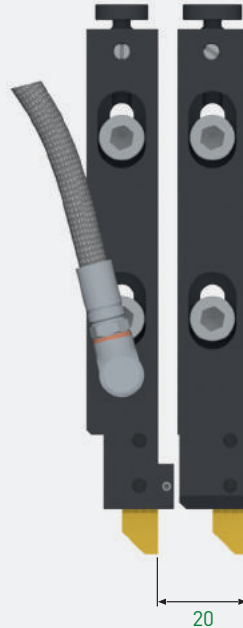
Exceptions
 Ausnahmen
 Exceptions

Exception ML12

Exception ML16

-JET-D
 -JET -Standard

-JET-D
 -JET -Standard



≥ 15 mm = Total compatibility

≥ 20 mm = Total compatibility

Brochure JET-Line:

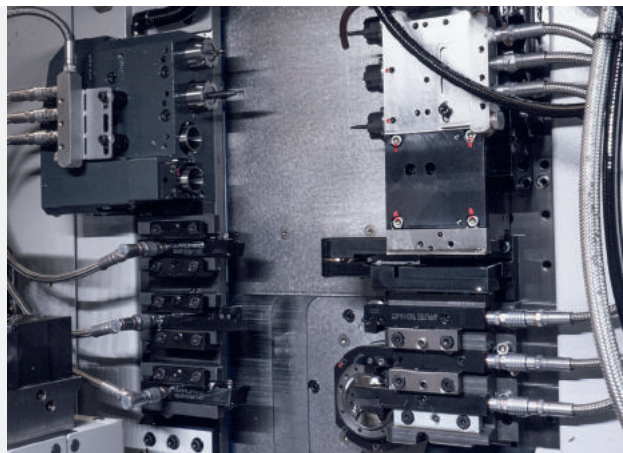
Système de distribution du liquide de refroidissement pour haute pression

JET-Line Broschüre:

Kühlmittelverteilungssystem für hohen Druck

JET-Line brochure:

Coolant distribution system for high pressure



Porte-outils

Halter

Holders

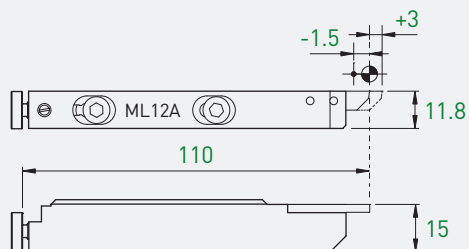
ML12 / ML16

Système de fixation
Befestigungssystem
Clamping system

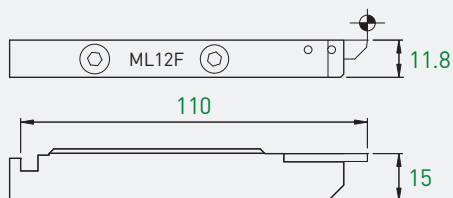
A = réglable
einstellbar
adjustable

F = longueur fixe
fixlänge
fixed length

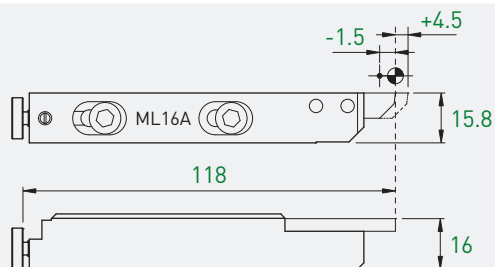
ML12A



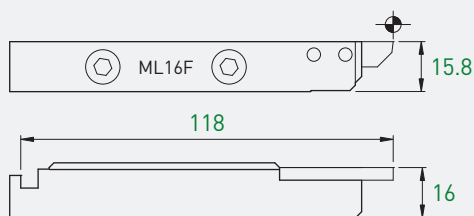
ML12F

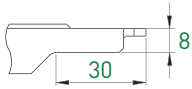


ML16A

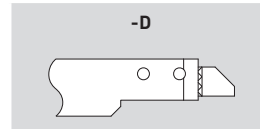


ML16F

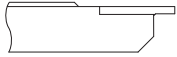




TOP-Line
731-737

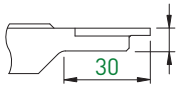


Art. N°	Art. N°	Art. N°
ML12	ML12	ML12
-	ML12A-730-C-D new	-



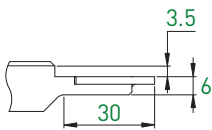
TOP-Line
741-747

Standard	-D	-JET-D
ML12	ML12	ML12
ML12A-740	ML12A-740-D	ML12A-740-JET-D
ML12F-740	ML12F-740-D	-
ML16	ML16	ML16
ML16A-740	ML16A-740-D	ML16A-740-JET-D
ML16F-740	-	-



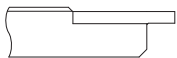
TOP-Line
741-747

ML12	ML12	ML12
ML12A-740-C	ML12A-740-C-D	ML12A-740-C-JET-D
ML12F-740-C	ML12F-740-C-D	-



TOP-Line
741

ML12	ML12	ML12
ML12A-740-C-R04	-	-
ML12A-740-C-SWISS-NANO	-	-



TOP-Line
761-767

ML12	ML12	ML12
ML12A-760	ML12A-760-D	ML12A-760-JET-D
ML12F-760	ML12F-760-D	-
ML16	ML16	ML16
ML16A-760	ML16A-760-D	ML16A-760-JET-D
ML16F-760	-	-

Porte-plaquettes



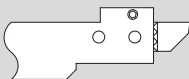
WSP-Halter

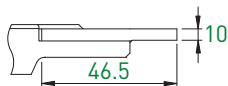
Insert holders

TOP-Line



TOP-Line
761-767

Standard	-D	-JET-D
		
Art. N°	Art. N°	Art. N°
ML16	ML16	ML16
ML16A-760-C	ML16A-760-C-D	-
ML16F-760-C	-	-



TOP-Line
781

ML16	ML16	ML16
-	ML16A-780-C-D	-

Porte-plaquettes

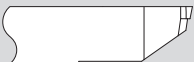

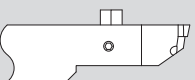
WSP-Halter

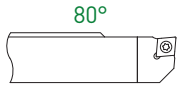
Insert holders

TURN-Line

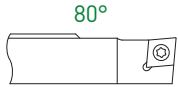


TURN-Line
347-349

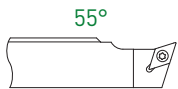
Standard	-D	-JET-D
		
Art. N°	Art. N°	Art. N°
ML12	ML12	ML12
ML12A-340	ML12A-340-D	ML12A-340-JET-D
ML12F-340	ML12F-340-D	-
ML16	ML16	ML16
ML16A-340	ML16A-340-D	ML16A-340-JET-D
ML16F-340	-	-



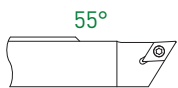
ISO-Line
CC...-0602..



ISO-Line
CC...-09T3..



ISO-Line
DC...-0702..



ISO-Line
DC...-0702..

Standard	-D	-JET-D
Art. N°	Art. N°	Art. N°
ML12	ML12	ML12
ML12A-SCLCR06	ML12A-SCLCR06-D	ML12A-SCLCR06-JET-D
ML12F-SCLCR06	ML12F-SCLCR06-D	-
ML16	ML16	ML16
ML16A-SCLCR06	ML16A-SCLCR06-D	ML16A-SCLCR06-JET-D
ML16F-SCLCR06	ML16F-SCLCR06-D	-

ML12	ML12	ML12
ML12A-SCLCR09	ML12A-SCLCR09-D	ML12A-SCLCR09-JET-D
ML12F-SCLCR09	ML12F-SCLCR09-D	-
ML16	ML16	ML16
ML16A-SCLCR09	ML16A-SCLCR09-D	ML16A-SCLCR09-JET-D
ML16F-SCLCR09	ML16F-SCLCR09-D	-

ML16	ML16	ML16
ML16A-SDHCR07	-	-

ML12	ML12	ML12
ML12A-SDJCR07	ML12A-SDJCR07-D	ML12A-SDJCR07-JET-D
ML12F-SDJCR07	ML12F-SDJCR07-D	-
ML16	ML16	ML16
ML16A-SDJCR07	ML16A-SDJCR07-D	ML16A-SDJCR07-JET-D
ML16F-SDJCR07	ML16F-SDJCR07-D	-

Porte-plaquettes

WSP-Halter

Insert holders

ISO-Line



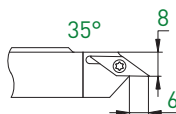
ISO-Line
DC...-11T3..



ISO-Line
DC...-11T3..



ISO-Line
VC...-1103..



ISO-Line
VC...-1103..

Standard	-D	-JET-D
Art. N°	Art. N°	Art. N°
ML12	ML12	ML12
ML12A-SDJCR11	ML12A-SDJCR11-D	ML12A-SDJCR11-JET-D
ML12F-SDJCR11	ML12F-SDJCR11-D	-
ML16	ML16	ML16
ML16A-SDJCR11	ML16A-SDJCR11-D	ML16A-SDJCR11-JET-D
ML16F-SDJCR11	ML16F-SDJCR11-D	-

ML12	ML12	ML12
ML12A-SDNCN11	ML12A-SDNCN11-D	-
ML12F-SDNCN11	ML12F-SDNCN11-D	-
ML16	ML16	ML16
ML16A-SDNCN11	ML16A-SDNCN11-D	-
ML16F-SDNCN11	ML16F-SDNCN11-D	-

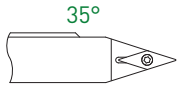
ML12	ML12	ML12
ML12A-SVJCR11	ML12A-SVJCR11-D	ML12A-SVJCR11-JET-D
ML12F-SVJCR11	ML12F-SVJCR11-D	-
ML16	ML16	ML16
ML16A-SVJCR11	ML16A-SVJCR11-D	ML16A-SVJCR11-JET-D
ML16F-SVJCR11	ML16F-SVJCR11-D	-

ML12	ML12	ML12
ML12A-SV-CR11	ML12A-SV-CR11-D	-
ML16	ML16	ML16
ML16A-SV-CR11	ML16A-SV-CR11-D	-

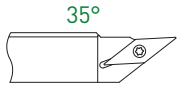
MODU-LINE

Porte-plaquettes
WSP-Halter
Insert holders

ISO-Line



ISO-Line
VC...-1103..

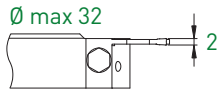


ISO-Line
VC...-1303..

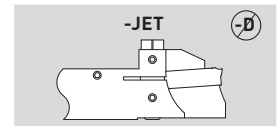
Standard	-D	-JET-D
Art. N°	Art. N°	Art. N°
ML12	ML12	ML12
ML12A-SVVCN11 ML12F-SVVCN11	ML12A-SVVCN11-D ML12F-SVVCN11-D	ML12A-SVVCN11-JET-D -
ML16	ML16	ML16
ML16A-SVVCN11 ML16F-SVVCN11	ML16A-SVVCN11-D ML16F-SVVCN11-D	- -
ML12	ML12	ML12
-	ML12A-SVJCR13-D	-
ML16	ML16	ML16
-	ML16A-SVJCR13-D	ML16A-SVJCR13-JET-D

Porte-plaquettes
WSP-Halter
Insert holders

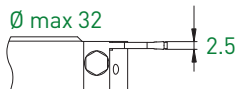
EVOCUT-Line



EVOCUT-Line
ET20..



Art. N°	Art. N°	Art. N°
ML16	ML16	ML16
-	-	ML16A-ET20-JET32



EVOCUT-Line
ET25..

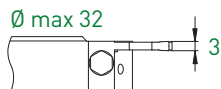
Art. N°	Art. N°	Art. N°
ML16	ML16	ML16
-	-	ML16A-ET25-JET32

Porte-plaquettes

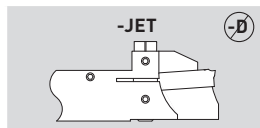
WSP-Halter

Insert holders

EVOCUT-Line



EVOCUT-Line
ET30..



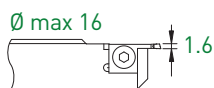
Art. N°	Art. N°	Art. N°
ML16	ML16	ML16
-	-	ML16A-ET30-JET32

Porte-plaquettes

WSP-Halter

Insert holders

CUT-Line



CUT-Line
CUT16..

Standard		
Art. N°	Art. N°	Art. N°
ML12	ML12	ML12
ML12A-CUT16	-	-
ML12F-CUT16	-	-
ML16	ML16	ML16
ML16A-CUT16	-	-
ML16F-CUT16	-	-



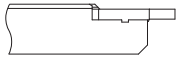
CUT-Line
CUT22..

ML12	ML12	ML12
ML12A-CUT22	-	-
ML12F-CUT22	-	-
ML16	ML16	ML16
ML16A-CUT22	-	-
ML16F-CUT22	-	-

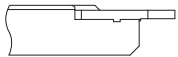
MODU-LINE

Porte-plaquettes
WSP-Halter
Insert holders

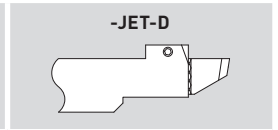
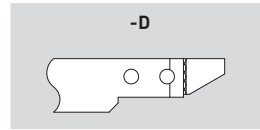
PRO-Line



PRO-Line
642-647



PRO-Line
661

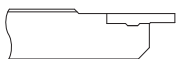


Art. N°	Art. N°	Art. N°
ML12	ML12	ML12
-	ML12A-640-D	ML12A-640-JET-D
ML16	ML16	ML16
-	ML16A-640-D	ML16A-640-JET-D




ML12	ML12	ML12
-	ML12A-660-D	ML12A-660-JET-D
ML16	ML16	ML16
-	ML16A-660-D	ML16A-660-JET-D

Porte-plaquettes
WSP-Halter
Insert holders

ECO-Line



ECO-Line
261-266

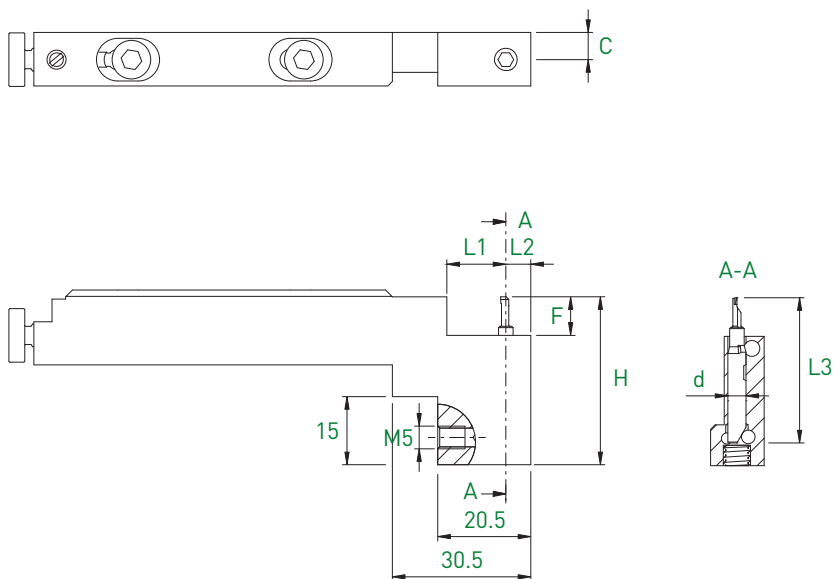
Standard	-D	-JET-D
		
Art. N°	Art. N°	Art. N°
ML12	ML12	ML12
ML12A-260	ML12A-260-D	ML12A-260-JET-D
ML12F-260	ML12F-260-D	-
ML16	ML16	ML16
ML16A-260	ML16A-260-D	ML16A-260-JET-D
ML16F-260	-	-

Porte-outils

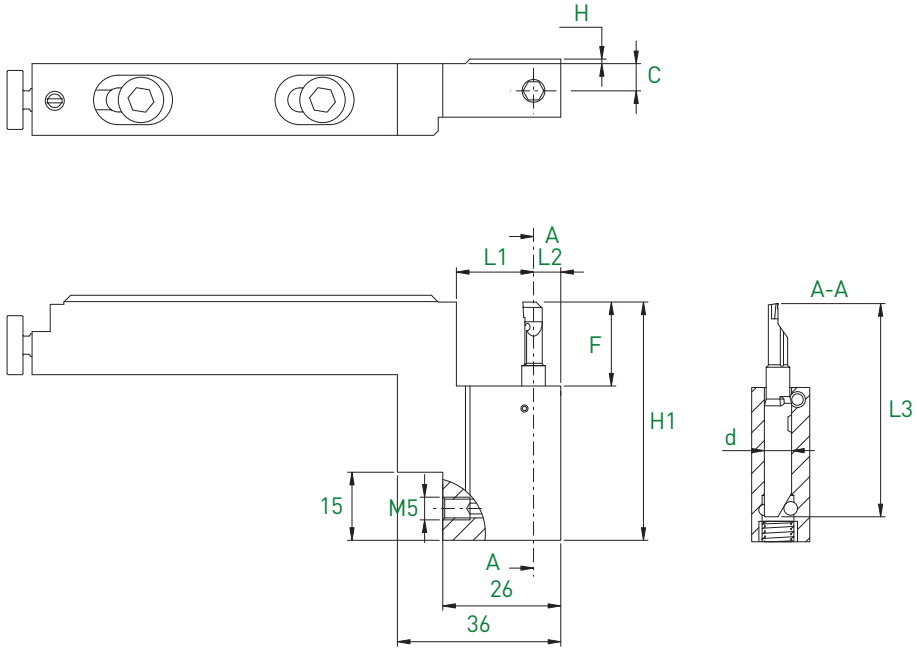
Halter

Holders

IN-Line



								ML12
d	Compatible bars	L3	F	H	C	L1	L2	Art. N°
4	BB4R... BF4R...	32	8.5	37	6	13	5.5	ML12A-BHK4N-32R-D
		37	13.5	42	6	13	5.5	ML12A-BHK4N-37R-D
		42	18.5	47	6	13	5.5	ML12A-BHK4N-42R-D



									ML16
d	Compatible bars	L3	F	H1	C	H	L1	L2	Art. N°
4	BB4R... BF4R...	32	8.5	37	6	-	17.5	5.5	ML16A-BHK4N-32R-D
		37	13.5	42	6	-	17.5	5.5	ML16A-BHK4N-37R-D
		42	18.5	47	6	-	17.5	5.5	ML16A-BHK4N-42R-D

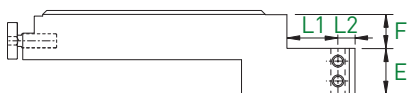
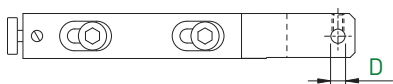
									ML16
d	Compatible bars	L3	F	H1	C	H	L1	L2	Art. N°
6	BB4R... BF4R...	47	18.5	52.5	6	1	17	6	ML16A-BHK6N-47R-D
		57	28.5	62.5	6	1	17	6	ML16A-BHK6N-57R-D

Porte-outils

Halter

Holder

TOOLING-Line



					ML12
F	D	E	L1	L2	Art. N°
8	3	12	13	6	ML12A-2440-8-3
8	4	12	13	6	ML12A-2440-8-4
8	5	12	13	6	ML12A-2440-8-5
12	6	12	13	6	ML12A-2440-12-6

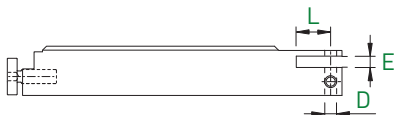
					ML16
F	D	E	L1	L2	Art. N°
12	3	16	18	6	ML16A-2440-12-3
12	4	16	18	6	ML16A-2440-12-4
12	5	16	18	6	ML16A-2440-12-5
12	6	16	18	6	ML16A-2440-12-6
18	8	16	18	6	ML16A-2440-18-8

Porte-molettes

Rändelhalter

Knurl holders

TOOLING-Line



			ML12
E	D	L	Art. N°
4	4	8	ML12A-2402-44

			ML16
E	D	L	Art. N°
4	4	11	ML16A-2402-44

MODU-LINE

Porte-plaquettes – Coupe déportée & contre-opération

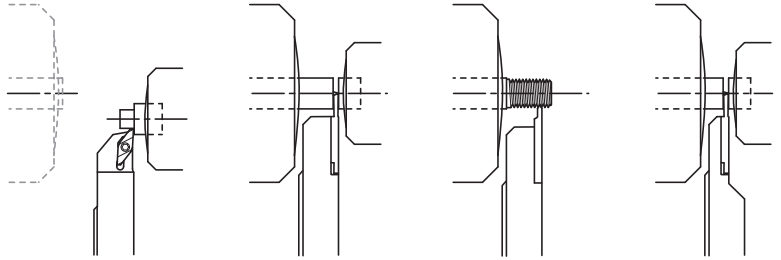
WSP-Halter – Versetztes Schneiden & Gegenspindel

Insert holders – Cut off line & cut on subspindle

Coupe à droite déportée ou usinage
à gauche sur contre-broche

Rechtsschneidend versetzt oder
linksschneidend auf Gegenspindel

Right hand cut off line or left hand
cut on subspindle



TURN-Line
ISO-Line

TOP-Line
EVOCUT-Line
CUT-Line
PRO-Line
ECO-Line

TOP-Line
EVOCUT-Line
CUT-Line
PRO-Line
ECO-Line

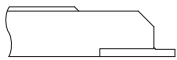
TOP-Line
PRO-Line
ECO-Line

Porte-plaquettes – Coupe déportée & contre-opération



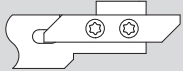
WSP-Halter – Versetztes Schneiden & Gegenspindel

Insert holders – Cut off line & cut on subspindle

TOP-Line



TOP-Line
731-737




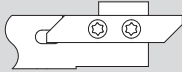
Standard	-D	-JET-D
		
Art. N°	Art. N°	Art. N°
ML12	ML12	ML12
ML12A-730-V	ML12A-730-V-D	ML12A-730-V-JET-D
ML16	ML16	ML16
ML16A-730-V	ML16A-730-V-D	ML16A-730-V-JET-D

Porte-plaquettes – Coupe déportée & contre-opération

WSP-Halter – Versetztes Schneiden & Gegenspindel

Insert holders – Cut off line & cut on subspindle

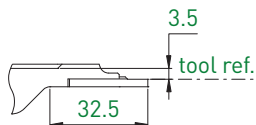
TOP-Line

Standard	-D	-JET 
		
Art. N°	Art. N°	Art. N°
ML12	ML12	ML12
ML12A-730RC	-	ML12A-730RC-JET



TOP-Line
731R

ML16	ML16	ML16
ML16A-730RC	ML16A-730RC-D	ML16A-730RC-JET-D



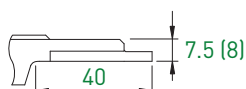
TOP-Line
731R

ML12	ML12	ML12
ML12A-730RC-R04	-	-
ML12A-730RC-SWISS-NANO	-	-




TOP-Line
751-757

ML12	ML12	ML12
ML12A-750-V	ML12A-750-V-D	ML12A-750-V-JET-D
ML16	ML16	ML16
ML16A-750-V	ML16A-750-V-D	ML16A-750-V-JET-D



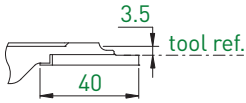
TOP-Line
751R

ML12	ML12	ML12 
ML12A-750RC	-	ML12A-750RC-JET
ML16	ML16	ML16
ML16A-750RC	ML16A-750RC-D	ML16A-750RC-JET-D



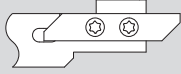
MODU-LINE

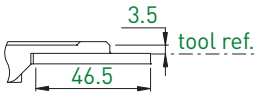
Porte-plaquettes – Coupe déportée & contre-opération
 WSP-Halter – Versetztes Schneiden & Gegenspindel
 Insert holders – Cut off line & cut on subspindle

TOP-Line



TOP-Line
751R

Standard	-D	-JET-D
		
Art. N°	Art. N°	Art. N°
ML12	ML12	ML12
ML12A-750RC-R04	-	-
ML12A-750RC-SWISS-NANO	-	-



TOP-Line
771R



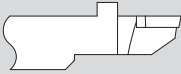
ML12	ML12	ML12
ML12A-770RC-SWISS-NANO	-	-

Porte-plaquettes – Contre-opération
 WSP-Halter – Gegenspindel
 Insert holders – Cut on subspindle

TURN-Line



TURN-Line
337-339

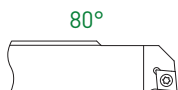
Standard	-D	-JET-D
		
Art. N°	Art. N°	Art. N°
ML12	ML12	ML12
ML12A-330-V	ML12A-330-V-D	ML12A-330-V-JET-D
ML16	ML16	ML16
ML16A-330-V	ML16A-330-V-D	ML16A-330-V-JET-D

Porte-plaquettes – Contre-opération

WSP-Halter – Gegenspindel

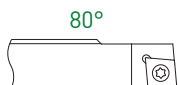
Insert holders – Cut on subspindle

ISO-Line



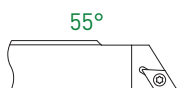
ISO-Line
CC...0602..

Standard	-D	-JET-D
Art. N°	Art. N°	Art. N°
ML12	ML12	ML12
-	ML12A-SCLCL06-V-D	ML12A-SCLCL06-V-JET-D
ML16	ML16	ML16
-	ML16A-SCLCL06-V-D	ML16A-SCLCL06-V-JET-D



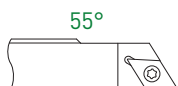
ISO-Line
CC...9T3..

ML12	ML12	ML12
-	ML12A-SCLCL09-V-D	ML12A-SCLCL09-V-JET-D
ML16	ML16	ML16
-	ML16A-SCLCL09-V-D	ML16A-SCLCL09-V-JET-D



ISO-Line
DC...0702..

ML12	ML12	ML12
-	ML12A-SDJCL07-V-D	ML12A-SDJCL07-V-JET-D
ML16	ML16	ML16
-	ML16A-SDJCL07-V-D	ML16A-SDJCL07-V-JET-D



ISO-Line
DC...11T3..

ML12	ML12	ML12
ML12A-SDJCL11-V	ML12A-SDJCL11-V-D	ML12A-SDJCL11-V-JET-D
ML16	ML16	ML16
ML16A-SDJCL11-V	ML16A-SDJCL11-V-D	ML16A-SDJCL11-V-JET-D

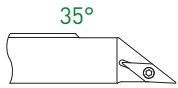
MODU-LINE

Porte-plaquettes – Contre-opération

WSP-Halter – Gegenspindel

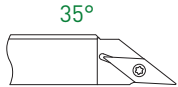
Insert holders – Cut on subspindle

ISO-Line



35°

ISO-Line
VC...-1103..



35°

ISO-Line
VC...-1303..

Standard	-D	-JET-D
Art. N°	Art. N°	Art. N°
ML12	ML12	ML12
ML12A-SVJCL11-V	ML12A-SVJCL11-V-D	ML12A-SVJCL11-V-JET-D
ML16	ML16	ML16
ML16A-SVJCL11-V	ML16A-SVJCL11-V-D	ML16A-SVJCL11-V-JET-D

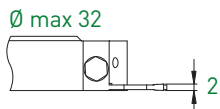
ML12	ML12	ML12
-	ML12A-SVJCL13-V-D	-
ML16	ML16	ML16
-	ML16A-SVJCL13-V-D	ML16A-SVJCL13-V-JET-D

Porte-plaquettes – Coupe déportée

WSP-Halter – Versetztes Schneiden

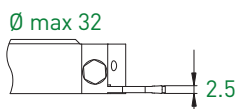
Insert holders – Cut off line

EVO CUT-Line



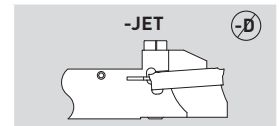
Ø max 32

EVO CUT-Line
ET20



Ø max 32

EVO CUT-Line
ET25



Art. N°	Art. N°	Art. N°
ML16	ML16	ML16
-	-	ML16A-ET20-V-JET32

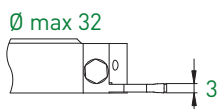
ML16	ML16	ML16
-	-	ML16A-ET25-V-JET32

Porte-plaquettes – Coupe déportée

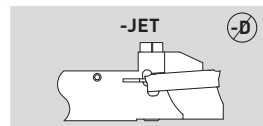
WSP-Halter – Versetztes Schneiden

Insert holders – Cut off line

EVOCUT-Line



EVOCUT-Line
ET30



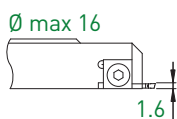
ML16	ML16	ML16
-	-	ML16A-ET30-V-JET32

Porte-plaquettes – Coupe déportée

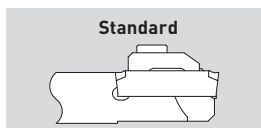
WSP-Halter – Versetztes Schneiden

Insert holders – Cut off line

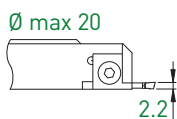
CUT-Line



CUT-Line
CUT16

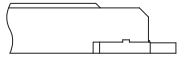


Art. N°	Art. N°	Art. N°
ML12	ML12	ML12
ML12A-CUT16-V	-	-
ML12F-CUT16-V	-	-
ML16	ML16	ML16
ML16A-CUT16-V	-	-
ML16F-CUT16-V	-	-






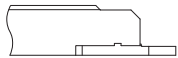
CUT-Line
CUT22

ML12	ML12	ML12
ML12A-CUT22-V	-	-
ML12F-CUT22-V	-	-
ML16	ML16	ML16
ML16A-CUT22-V	-	-
ML16F-CUT22-V	-	-



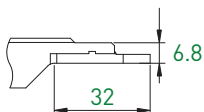
PRO-Line
632-636

Standard	-D	-JET-D
		
Art. N°	Art. N°	Art. N°
ML12	ML12	ML12
-	ML12A-630-V-D	ML12A-630-V-JET-D
ML16	ML16	ML16
-	ML16A-630-V-D	ML16A-630-V-JET-D



PRO-Line
651R

ML12	ML12	ML12
-	ML12A-650-V-D	ML12A-650-V-JET-D
ML16	ML16	ML16
-	ML16A-650-V-D	ML16A-650-V-JET-D



PRO-Line
651R

ML12	ML12	ML12
ML12A-650RC	ML12A-650RC-D	-
ML16	ML16	ML16
-	ML16A-650RC-D	ML16A-650RC-JET-D

Porte-plaquettes – Coupe déportée & contre-opération




WSP-Halter – Versetztes Schneiden & Gegenspindel

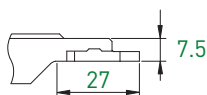
Insert holders – Cut off line & cut on subspindle

ECO-Line



ECO-Line
251-261

Standard	-D	-JET-D
		
Art. N°	Art. N°	Art. N°
ML12	ML12	ML12
ML12A-250-V	ML12A-250-V-D	ML12A-250-V-JET-D
ML16	ML16	ML16
ML16A-250-V	ML16A-250-V-D	ML16A-250-V-JET-D



ECO-Line
251R

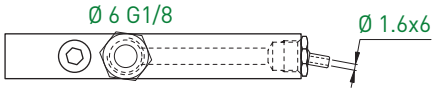
ML12	ML12	ML12
-	ML12A-250RC-D	-
ML16	ML16	ML16
-	ML16A-250RC-D	-

MODU-LINE

Modules d'arrosage
Kühlmittelzufuhrelemente
Coolant supply units

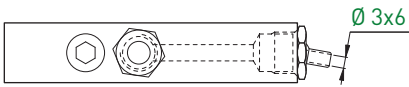
ML12 / ML16

ML12



Raccord Anschluss Connection	Buses d'arrosage Kühlmitteldüse Coolant nozzles	ML12 Art. N°
Ø 6 G 1/8	5/16"	ML12-JET-5/16

ML16

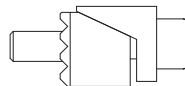
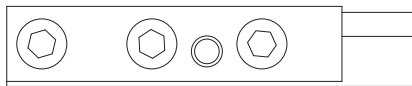


Raccord Anschluss Connection	Buses d'arrosage Kühlmitteldüse Coolant nozzles	ML16 Art. N°
Ø 6 G 1/8	7/16"	ML16-JET-7/16

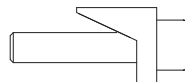
buses optionnelles voir page 12.81
zusätzliche Düsen siehe Seite 12.81
optional nozzles see page 12.81

Modules de serrage
Spannelemente
Clamping units

ML12 / ML16



ML12 Art. N°	ML16 Art. N°
ML12-FIX-12/14	ML16-FIX-16/16
-	ML16-FIX-16/16.5
-	ML16-FIX-16/17
-	ML16-FIX-16/20
-	ML16-FIX-16/22
-	ML16-FIX-16/24



ML12 Art. N°	ML16 Art. N°
ML12-FIX-12	ML16-FIX-16

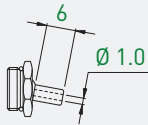
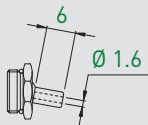
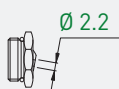
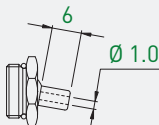
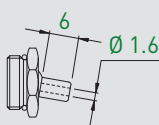
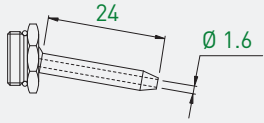
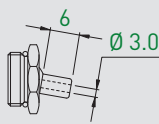
Buses d'arrosage

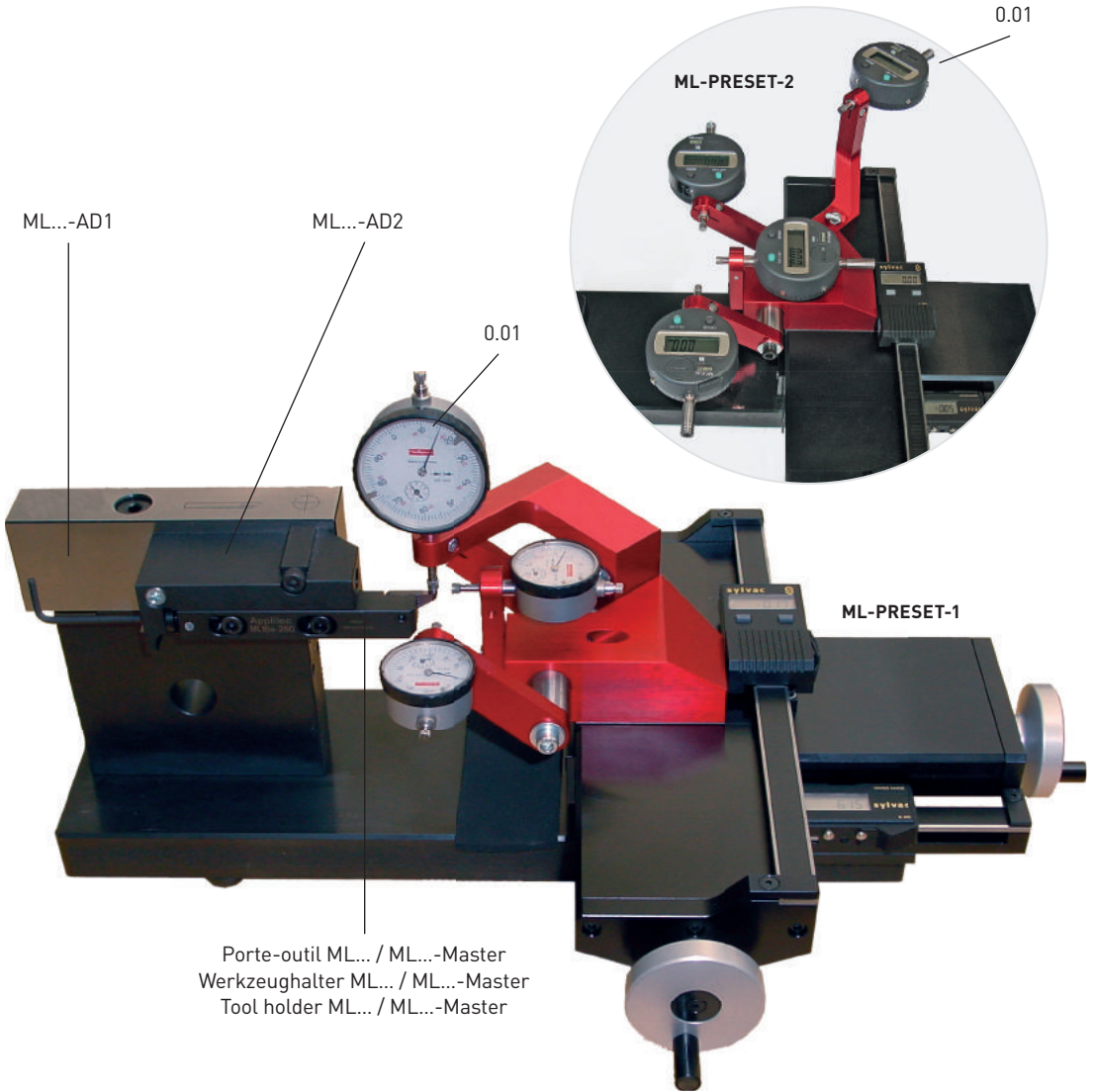
Kühlmitteldüsen

Coolant nozzles

5/16" / 7/16"

JET

5/16"	Art. N°	Références compatibles Kompatible Artikeln Compatible items
	ML-JET 5/16-1.0X6	ML12-JET-5/1.6
	ML-JET 5/16-1.6X6	une buse ML-JET-5/16-1.6x6 est comprise eine Düse ML-JET-5/16-1.6x6 ist inbegriffen a nozzle ML-JET-5/16-1.6x6 is included
	ML-JET 5/16-2.2X0	
7/16"	Art. N°	Références compatibles Kompatible Artikeln Compatible items
	ML-JET 7/16-1.0X6	
	ML-JET 7/16-1.6X6	ML16-KMX26-JET ML16-JET-7/16 ML12-DEC010-JET ML16-DEC013-JET ML16-DEC020-JET ML16-S20-JET ML16-SWISS-ST26-JET
	ML-JET-7/16-1.6X24	une buse ML-JET-7/16-3.0x6 est comprise avec chaque article ci-dessus eine Düse ML-JET 7/16-3.0x6 ist mit jedem vorstehenden Artikel inbegriffen
	ML-JET-7/16-3.0X6	a nozzle ML-JET 7/16-3.0x6 is included with each above item



Art. N°

ML-PRESET-1

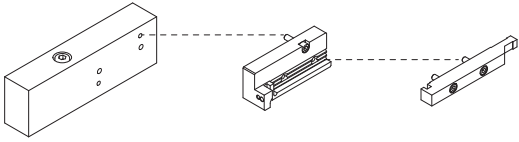
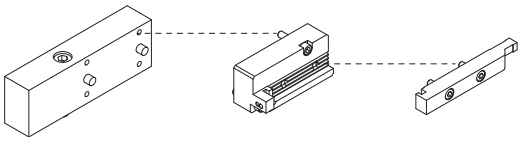
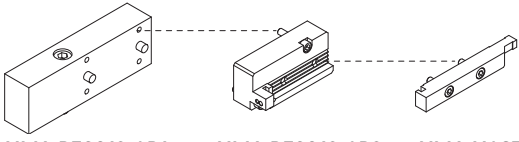
ML-PRESET-2

Banc de pré réglage

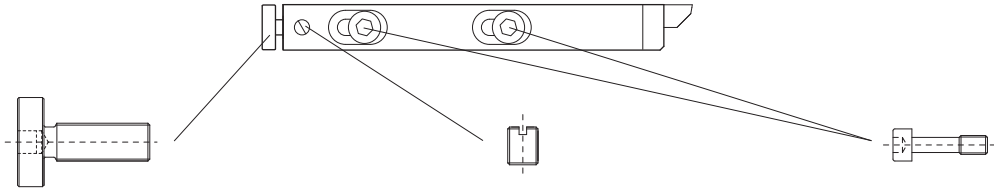
Voreinstellgerät

Presetting device

ML12 / ML16

Type Typ Type	Fabricant Hersteller Manufacturer	Machines Maschinen Machines	Adaptateurs et jauges d'étalonnage Adapter und Einstellehre Adaptators and master gauges	
ML12	CITIZEN	C12/C16	 <p>ML12-AD1 ML12-AD2 ML12-MASTER</p>	
		L12-1M7		
		L12-2M10		
		M16 V/VIII		
		R04		
		R07		
	HANWHA	XD20M		
	METAFIL	D3/D10/D13		
		SB-12RG		
	STAR	SR10-J		
		SW-12RII		
	TORNOS	DECO7/10 - EvoDECO 10		
		SwissNano/SwissNano 7		
		DT13		
CT20				
GT13				
TSUGAMI	B074			
	B075			
	P034			
ML16	CITIZEN	K12/K16/K12E/K16E	 <p>ML16/20-AD1 ML16-AD2 ML16-MASTER</p>	
		L16/L20		
		L20E		
	HANWHA	SL12/16		
	MANUHRIN	KMX 426/526/626/Swing 20-26 MM		
		SA-12/SA-16/SA-16R		
		SB-16		
		SB-16/20RG		
		SB-20C/E		
		SR-20J/SR-20RIII		
		SR-20JII-A/B		
		SR-16R/SR-20R/SR-20RII		
		SR-20RIII/SR-20J		
		SR-20RIV		
		SR-32J		
		SV-12/20/ SV-20R		
		SW-20R		
		TORNOS		DECO20/26 - EvoDECO20/32
				SIGMA20/32
				DT26
GT26				
GT32				
ML16	TORNOS	DECO13-EvoDECO16	 <p>ML16-DEC013-AD1 ML16-DEC013-AD2 ML16-MASTER</p>	
ST26				

ML12



Vis de réglage
 Einstellungsschraube
 Setting screw

Art. N°

ML12A-M5X0.5

Vis de blocage
 Blockierschraube
 Locking screw

Art. N°

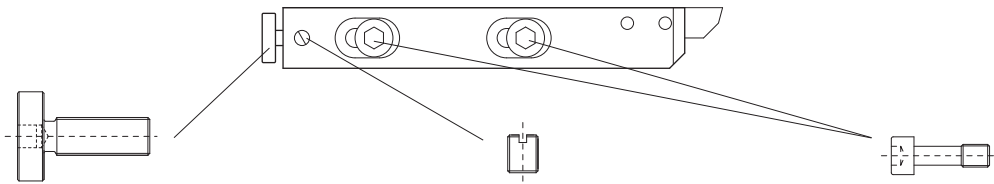
ML-M4X4-T

Vis de fixation
 Befestigungsschraube
 Fixing screw

Art. N°

ML12-M5XL20

ML16



Vis de réglage
 Einstellungsschraube
 Setting screw

Art. N°

ML16A-M5X0.5

Vis de blocage
 Blockierschraube
 Locking screw

Art. N°

ML-M4X4-T

Vis de fixation
 Befestigungsschraube
 Fixing screw

Art. N°

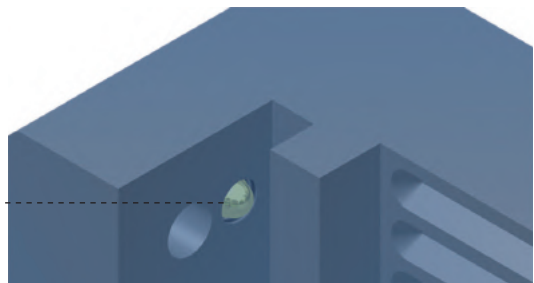
ML16/20-M6XL20

Art. N°

ML-205004



Butée à ressort
 Federnde Schraube
 Spring bumper



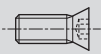




Pièces de rechange

Ersatzteile

Spare parts

ML12 / ML16

Vis et clés pour le serrage des plaquettes
Schrauben und Schlüssel für WSP-Befestigung
Screws and keys for insert clamping

Porte-outils Halter Holders					
ML...250	V-M4X9-T15	C-T15	-	-	-
ML...260	V-M4X9-T15	C-T15	-	-	-
ML...330	V-M2.5X7.8-T8	C-T8	-	-	-
ML...340	V-M2.5X7.8-T8	C-T8	-	-	-
ML...630	V-M4X9-T15	C-T15	-	-	-
ML...640	V-M4X9-T15	C-T15	-	-	-
ML...650	V-M4X9-T15	C-T15	-	-	-
ML...650RC	V-M4X6.5-T15	C-T15	-	-	-
ML...660	V-M4X9-T15	C-T15	-	-	-
ML...730	V-M3X7-T8	C-T8	-	-	-
ML...730RC	V-M3X5.5-T8	C-T8	-	-	-
ML...730RC-R04	V-M3X4.5-T8 V-M3X7-T8	C-T8	-	-	-
ML...730RC-SWISS-NANO	V-M3X4.5-T8 V-M3X7-T8	C-T8	-	-	-
ML...740	V-M3X7-T8	C-T8	-	-	-
ML...750	V-M4X9-T15	C-T15	-	-	-
ML...750RC	V-M4X7.3-T15	C-T15	-	-	-
ML...750RC-R04	V-M4X5.6-T15 V-M4X7.3-T15	C-T15	-	-	-
ML...750RC-SWISS-NANO	V-M4X5.6-T15 V-M4X7.3-T15	C-T15	-	-	-
ML...760	V-M4X9-T15	C-T15	-	-	-
ML...770RC-SWISS-NANO	V-M4X7.3-T15	C-T15	-	-	-
ML...780	V-M4X9-T15	C-T15	-	-	-
ML...SC...06	V-M2.5X5.8-T8	C-T8	-	-	-
ML...SC...09	V-M4X7-T15-ISO	C-T15	-	-	-
ML...-SD...07	V-M2.5X7.8-T8	C-T8	-	-	-
ML...-SD...07-D	V-M2.5X5.8-T8	C-T8	-	-	-
ML12...-SDJ...11	V-M4X7-T15-ISO	C-T15	-	-	-
ML12...-SDN...11	V-M4X9-T15-ISO	C-T15	-	-	-
ML16...-SD...11	V-M4X9-T15-ISO	C-T15	-	-	-
ML...-SV...11	V-M2.5X7.8-T8	C-T8	-	-	-
ML...-SV...13	V-M3X7.3-T8-ISO	C-T8	-	-	-
ML...-CUT16	-	-	CUT16RS-SET	-	-
ML...-CUT16-V	-	-	CUT16LS-SET	-	-
ML...-CUT22	-	-	CUT22RS-SET	-	-
ML...-CUT16-V	-	-	CUT22LS-SET	-	-
ML16...-ET... JET32	-	-	-	-	-
ML16...-ET... V-JET32	-	-	-	V-M5X21-6P7-J	C-6PEX-7.0
ML...-BHK	V-BHK-M4X0.5-T8	-	-	-	-