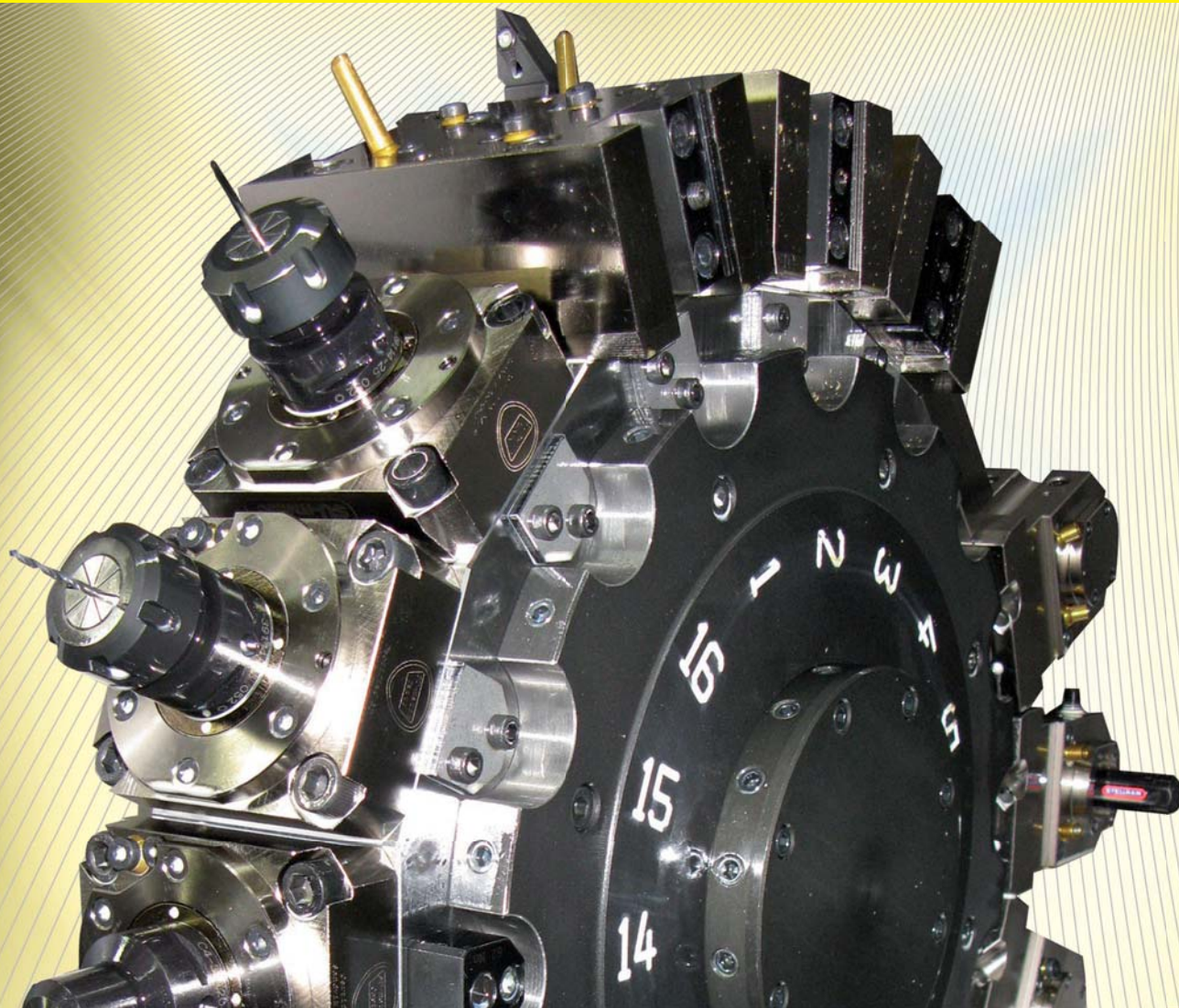


SU-matic®


Tooling expert.



ツールホルダー

 **LOKUMA**

LT2000 EX V16 用
M / MY



SUHNER
EXPERTS. SINCE 1914.

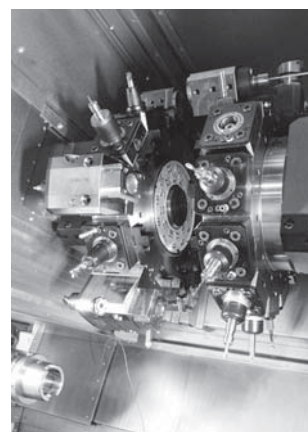
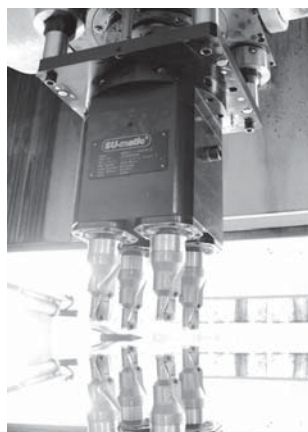
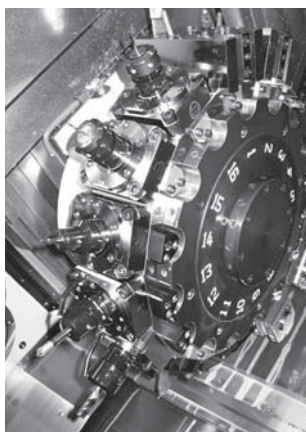


貴方の機械の加工能力を増強します。。。

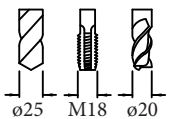
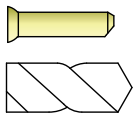
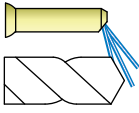
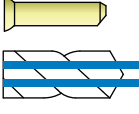
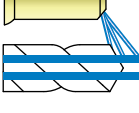
大きな投資をしなくても。。。

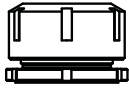
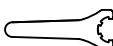
弊社では多軸ヘッド、アングルおよびリボルバーヘッドなど全ての種類のツールホルダーを製造し有名工作機械メーカー殿やOEMメーカーに供給しています。高い性能の装置はDIN規格に準拠し、お客様ご指定のインターフェースに適合しています。標準化された製品の供給は世界的なブランドであるAのアルフレッドシュッテ (ALFRED SCHUTTE,) からWのワールドリッヒ。コブルグ(WALDRICH COBURG)まで拡張しています。

機械メーカーとの新しい製品開発の連携は非常に速い段階から始まります。従って新しい機械が発表された時点で既に実用的な準備はできています。我々は計画、製造、品質管理そしてサービスの全てを自社で行っております。親会社であるスナー(SUHNER)社の世界的な展開により、大きな恩恵を受けています。



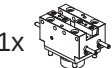
記号の意味

	品名
	これら3つのシンボルはこのユニットで使用可能な最大切削工具径を示しています (ドリル、タップ、ミーリングカッター)。
	内部クーラント型の場合には絶対にドライでは使用しないで下さい。
	クーラントは使用できません
	外部クーラント
	内部クーラント
	内部及び外部クーラント
	本キャプトユニットはサンドビックコロマンの認定を受けています (ISO26623-2)。

	品名
#	ユニットび部品番号
	スピンドル出力インターフェース
	クーラントタイプ
	ターニング方向 入力:出力
i $n_1 : n_2$	減速比 入力 : 出力
$n_{2 \max}$	出力側の最大回転数 (RPM)
$T_{2 \max}$	出力側の最大トルク
# 	特別付属のレンチの部品番号

索引

キット

	#			在庫品*	ページ
 LT2000 V16	14430001920	-	2x  2x  1x  2x  4x  1x  4x 	1	9
	14430001190		2x  2x 	2	9
	14430001200		2x  2x 	2	9

ライブツール(回転工具)

	#			i $n_1 : n_2$	$n_{2 \max}$	$T_{2 \max}$	在庫品*	ページ
	14101003320	ER 25		1 : 1	6'000 min ⁻¹	40 Nm	4	10
	14101003310	ERC 25		1 : 1	6'000 min ⁻¹	40 Nm	6	10
	14101002820	ERAX 32		1 : 1	6'000 min ⁻¹	40 Nm	受注生産	10
	14101002650	Ø 16		1 : 1	6'000 min ⁻¹	40 Nm	受注生産	11
	14101002450	Ø 22		1 : 1	4'000 min ⁻¹	40 Nm	受注生産	12
	14101001970	ERAX16		1 : 2	12'000 min ⁻¹	15 Nm	受注生産	13
	14101001900	ERAX16		1 : 3	18'000 min ⁻¹	6 Nm	受注生産	13
	14101002470	ERAX 16		1 : 3	18'000 min ⁻¹	6 Nm	受注生産	13

索引

LOKUMA

ライブツール(回転工具)

	#			$n_1^i : n_2$	$n_{2 \max}$	$T_{2 \max}$	在庫品*	ページ
	14800004330	ER 25		1 : 1	6'000 min ⁻¹	40 Nm	4	14
	14800004320	ERC 25		1 : 1	6'000 min ⁻¹	40 Nm	6	14
	14800003090	ER 16		1 : 2	12'000 min ⁻¹	4 Nm	受注生産	14
	14800002510	ER 16		1 : 3	18'000 min ⁻¹	7 Nm	受注生産	14
	14801001240	ER 25		1 : 1	6'000 min ⁻¹	40 Nm	1	15
	14801001190	ERAX 32		1 : 1	6'000 min ⁻¹	40 Nm	受注生産	15
	14801001050	ER 16		1 : 3	18'000 min ⁻¹	6 Nm	受注生産	16
	14802000860	ERAX 25		1 : 1.23	6'000 min ⁻¹	20 Nm	受注生産	16
	14826000310	ERAX 16		1 : 1	5'000 min ⁻¹	15 Nm	受注生産	17
	14826000180	ERAX 16		1 : 1	5'000 min ⁻¹	15 Nm	2	17
	14800003150	ø10 ø13 ø16 ø22		1 : 1	6'000 min ⁻¹	25 Nm	受注生産	17

索引

静止ツール

	#			$n_1^i : n_2$	$n_{2 \max}$	$T_{2 \max}$	在庫品*	ページ
	14910001490	ø 10		-	-	-	受注生産	18
	14910001501	ø 12		-	-	-	受注生産	18
	14910001511	ø 16		-	-	-	受注生産	18
	14910001521	ø 20		-	-	-	受注生産	18
	14910000921	ø 32		-	-	-	12	18
	14910001591	ø 40		-	-	-	受注生産	18
	14910000871	ø32		-	-	-	4	19
	14910000931	□20x20		-	-	-	6	19
	14910000881	□20x20		-	-	-	4	20
	14910002920	□20x20		-	-	-	受注生産	20
	14910000890	□20x20		-	-	-	2	21
	14910001141	4x26		-	-	-	2	21
	14910001341	4x26		-	-	-	2	22
	14910001721	4x32		-	-	-	受注生産	22

索引

LOKUMA

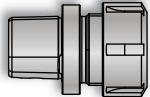
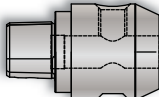
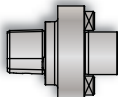
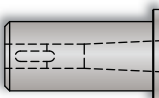
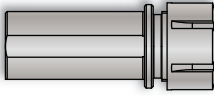
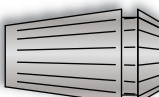
SU-matic® Capto® ライブツール(回転工具)

	#			$n_1^i : n_2$	$n_{2 \max}$	$T_{2 \max}$	在庫品*	ページ
	14101001871	Capto C4		1 : 1	6'000 min ⁻¹	40 Nm	1	24
	14101003270	Capto C4		1 : 1	6'000 min ⁻¹	40 Nm	2	24
	14800002931	Capto C4		1 : 1	6'000 min ⁻¹	40 Nm	1	25
	14801000880	Capto C4		1 : 1	6'000 min ⁻¹	40 Nm	受注生産	25

SU-matic® Capto® 静止ツール

	#			$n_1^i : n_2$	$n_{2 \max}$	$T_{2 \max}$	在庫品*	ページ
	14910001120	Capto C4		-	-	-	受注生産	26
	14910001130	Capto C4		-	-	-	受注生産	26
	14910002650	Capto C4		-	-	-	受注生産	27
	14910001100	Capto C4		-	-	-	受注生産	27
	14910001380	Capto C4		-	-	-	受注生産	28
	14910001110	Capto C4		-	-	-	受注生産	28

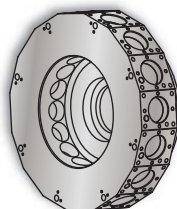
付属品

	品名		在庫品*	ページ
	ターレット用プラグ(栓)	-	10	29
	高圧クーラントパイプ	-	受注生産	29
	Capto C3 / C4	ER 16 - ER 25	受注生産	30
	Capto C3 / C4	ø6 - ø16	受注生産	30
	Capto C4	ø16 - ø27	受注生産	30
	ø32 / ø40	ø6 - ø25	受注生産	31
	ø32 / ø40	MT 1 - MT 4	受注生産	31
	ø32 / ø40	ER 25 - ER 32	受注生産	31
	コレット	ER 11 - ER 50	受注生産	32
	14430000420	-	受注生産	23

LT2000 V16 キット

LT2000 M / MY • V16

SU-matic®



品名		静止ツールキット	ライブツール(回転工具) キット	
#	Type	-		
	#	14430001920	14430001190	14430001200
14910000931		2		
14910000881		2		
14910000890		1		
14910000921		2		
14910000871		4		
14910001141		1		
14430000370		4		
14101003320			2	
14800004330			2	
14101003310				2
14800004320				2

ライブツール(回転工具)

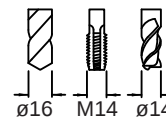
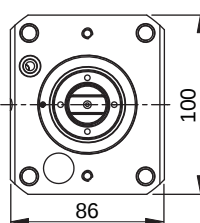
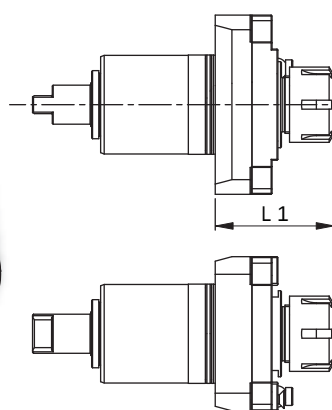
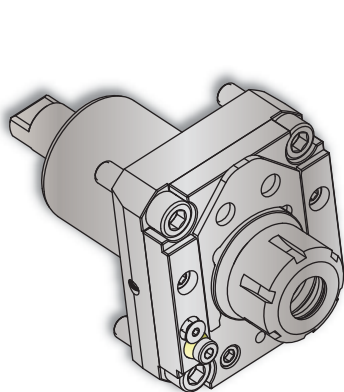
LOKUMA

Lathe Linear Unit • LLU 40-1 R

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



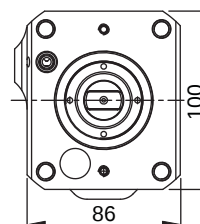
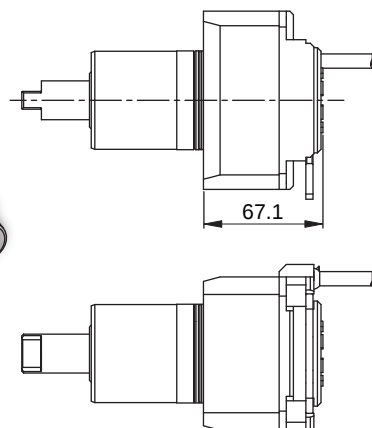
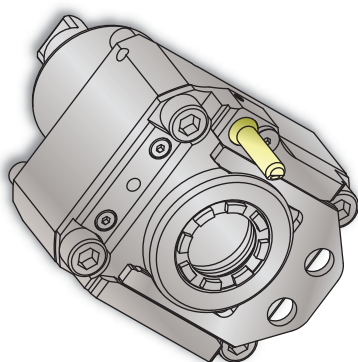
#			$n_1 : n_2$	i $n_1 : n_2$	$n_{2 \max}$	$T_{2 \max}$	L1	#
14101003320	ER 25	100 bar		1 : 1	6'000 min ⁻¹	40 Nm	61.5	14430101410
14101003310	ERC 25	70 bar		1 : 1	6'000 min ⁻¹	40 Nm	66.5	14430101410

Lathe Linear Unit • LLU 40-1 R

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



#			$n_1 : n_2$	i $n_1 : n_2$	$n_{2 \max}$	$T_{2 \max}$	#
14101002820	ERAX 32	100 bar		1 : 1	6'000 min ⁻¹	40 Nm	3020820006

ライブツール(回転工具)

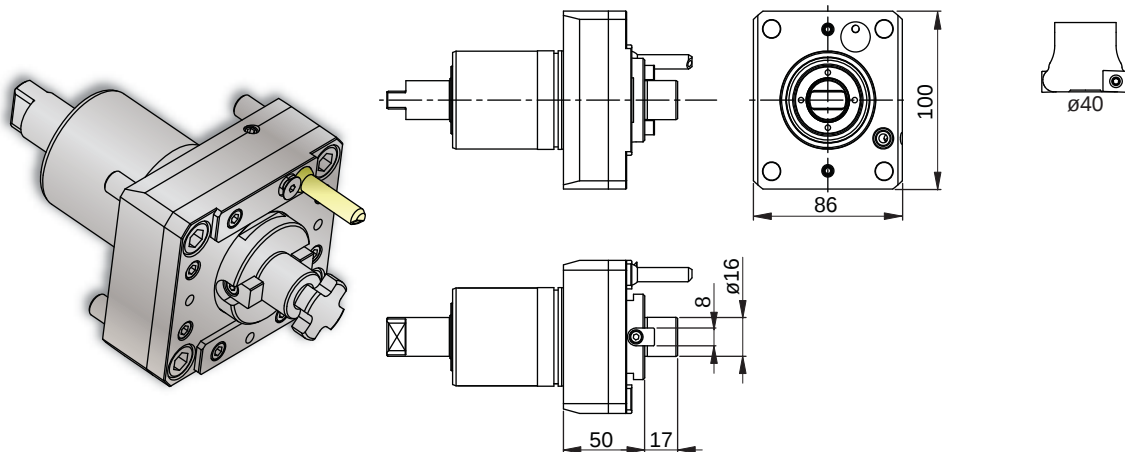
LOKUMA

Lathe Linear Unit • LLU 40-1 R

SU-matic®

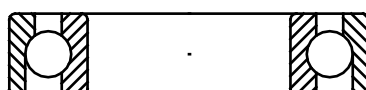
Machine
Types

LT2000 EX V16
M / MY



#			$n_1 : n_2$	i $n_1 : n_2$	$n_{2 \max}$	$T_{2 \max}$	#
14101002650	ø 16	100 bar		1 : 1	6'000 min ⁻¹	40 Nm	14430101490

これらのユニットにはアンギュラー
コンタクトベアリグを使用



ライブツール(回転工具)

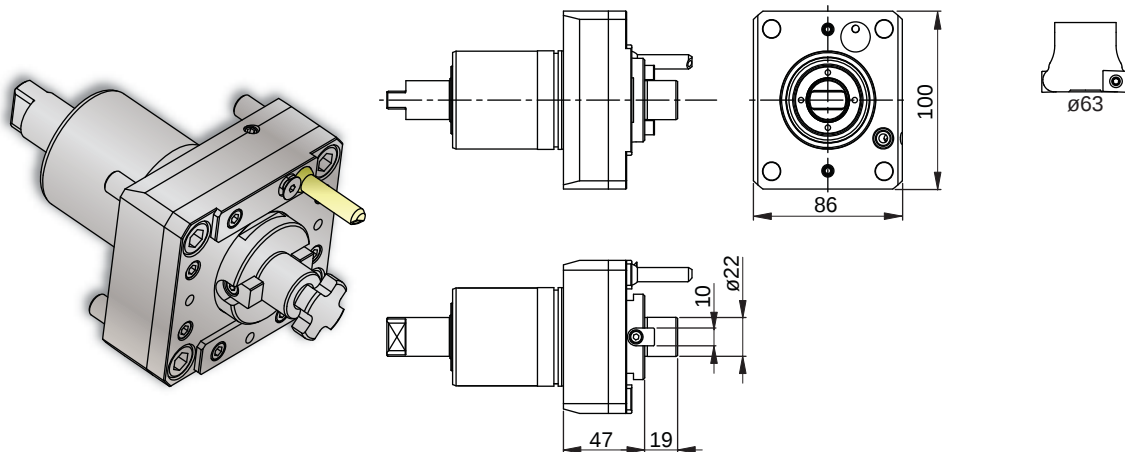
LOKUMA

Lathe Linear Unit • LLU 40-1 R

SU-matic®

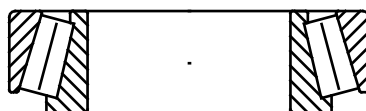
Machine
Types

LT2000 EX V16
M / MY



#			$n_1 : n_2$	i $n_1 : n_2$	$n_{2 \max}$	$T_{2 \max}$	#
14101002450	ø 22	100 bar		1 : 1	4'000 min ⁻¹	40 Nm	14430100860

これらのユニットにはテーパ
ローラーベアリグを使用



ライブツール(回転工具)

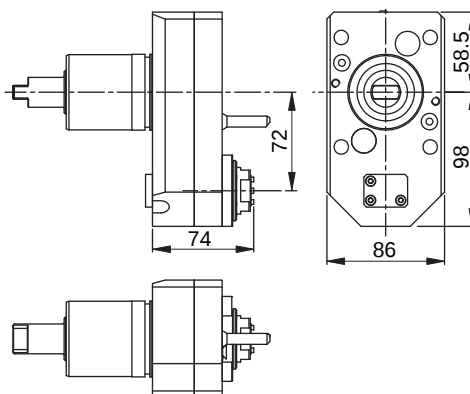
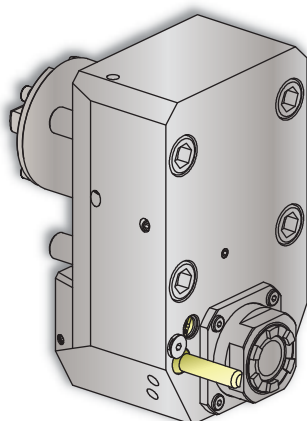
LOKUMA

Lathe Linear Unit Offset • LLUO 15-1 R • LLUO 6-1 R

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



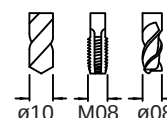
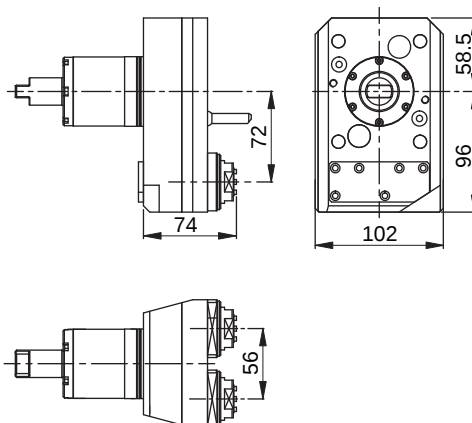
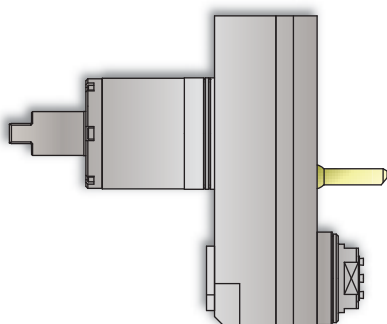
#			$n_1 : n_2$	i $n_1 : n_2$	$n_{2 \max}$	$T_{2 \max}$	#
14101001970	ERAX16	100 bar		1 : 2	12'000 min ⁻¹ *	15 Nm	14430100990
14101001900	ERAX16	100 bar		1 : 3	18'000 min ⁻¹ *	6 Nm	14430100990

Lathe Linear Unit Offset • LLUO 6-2 R

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



準備中

#			$n_1 : n_2$	i $n_1 : n_2$	$n_{2 \max}$	$T_{2 \max}$	#
14101002470	ERAX 16	100 bar		1 : 3	18'000 min ⁻¹ *	6 Nm	14430100990

ライブツール(回転工具)

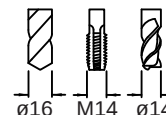
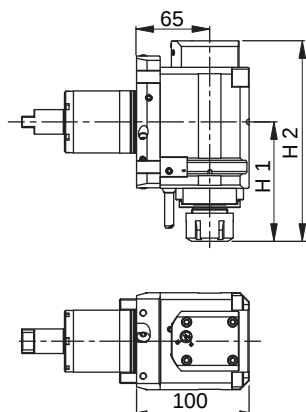
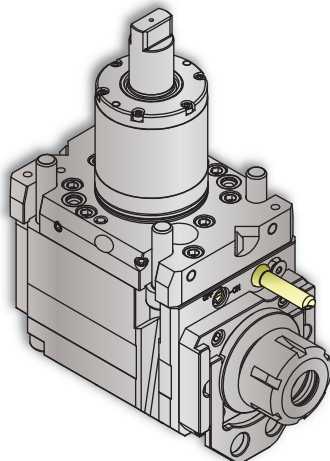
LOKUMA

Lathe Angular Unit • LAU 40-1 A

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



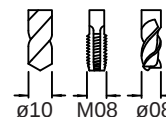
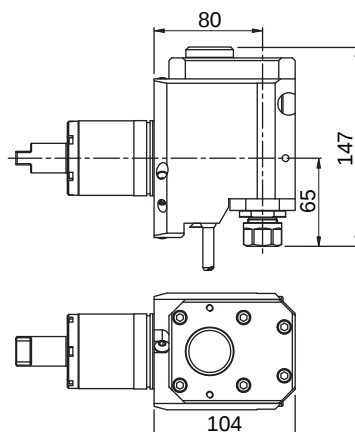
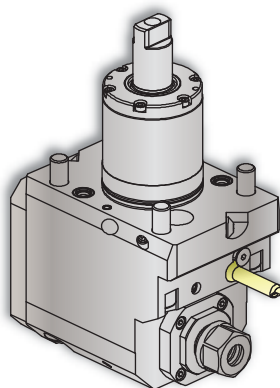
#			$n_1 : n_2$	i $n_1 : n_2$	$n_2 \text{ max}$	$T_2 \text{ max}$	H1	H2	#
14800004330	ER 25	100 bar		1 : 1	6'000 min ⁻¹	40 Nm	101	158.5	14430101860
14800004320	ERC 25	100 bar		1 : 1	6'000 min ⁻¹	40 Nm	106	178	14430101860

Lathe Angular Unit Offset • LAUO 7-1 A • LAUO 4-1 A

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



#			$n_1 : n_2$	i $n_1 : n_2$	$n_2 \text{ max}$	$T_2 \text{ max}$	#
14800003090	ER 16	100 bar		1 : 2	12'000 min ⁻¹ *	7 Nm	14430101000
14800002510	ER 16	100 bar		1 : 3	18'000 min ⁻¹ *	4 Nm	14430101000

* 全サイクル時間の20%の場合(オーバーヒートのリスク)

ライブツール(回転工具)

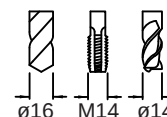
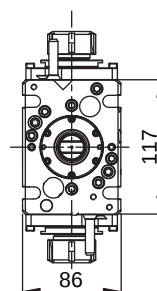
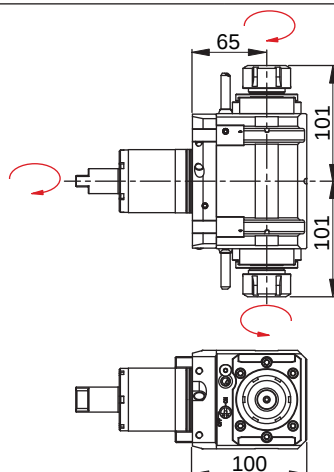
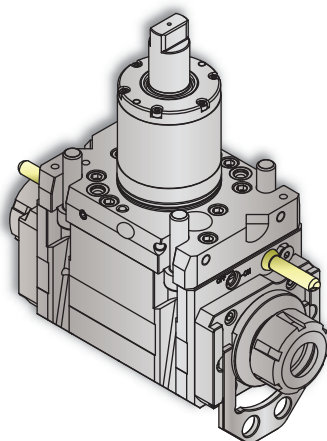
LOKUMA

Lathe Angular Unit Twin • LAUT 40-1+1 A

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



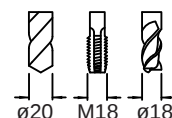
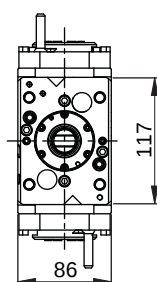
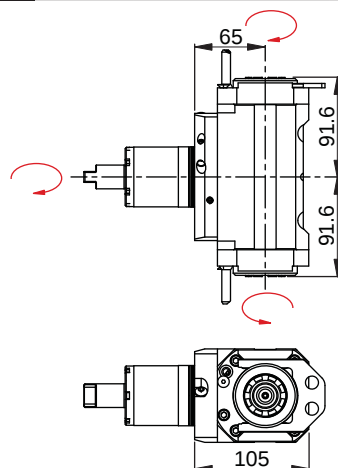
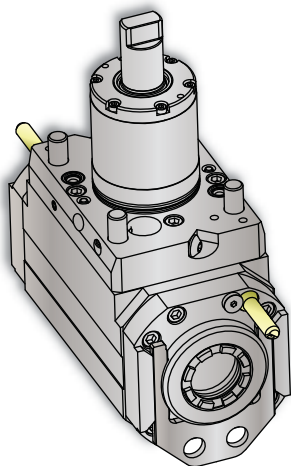
#				$n_1 : n_2$	i $n_1 : n_2$	$n_{2 \max}$	$T_{2 \max}$	#
14801001240	ER 25		100 bar	-	1 : 1	6'000 min ⁻¹	40 Nm	144301001410

Lathe Angular Unit Twin • LAUT 40-1+1 A

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



#				$n_1 : n_2$	i $n_1 : n_2$	$n_{2 \max}$	$T_{2 \max}$	#
14801001190	ERAX 32		100 bar	-	1 : 1	6'000 min ⁻¹	40 Nm	3020820006

ライブツール(回転工具)

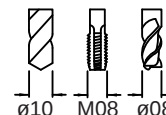
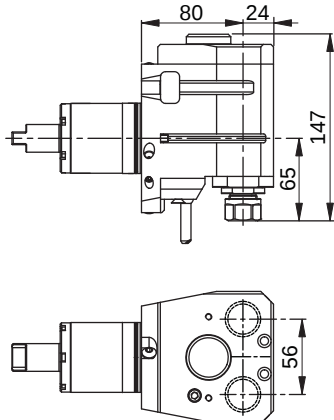
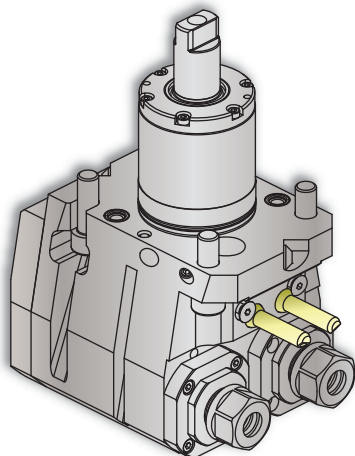
LOKUMA

Lathe Angular Unit Offset • LAUO 4-2 A

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



準備中

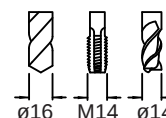
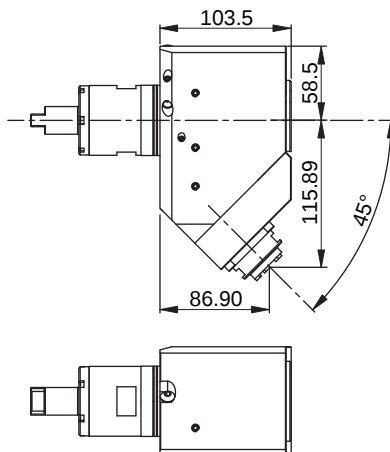
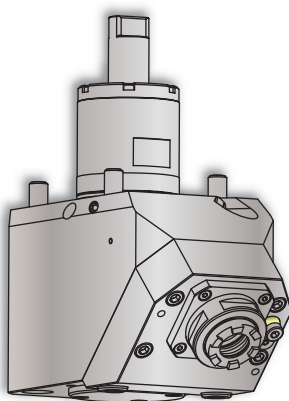
#			$n_1 : n_2$	i $n_1 : n_2$	$n_{2 \max}$	$T_{2 \max}$	#
14801001050	ER 16	100 bar		1 : 3	18'000 min ⁻¹ *	4 Nm	14430101000

Lathe Angular Unit Special (45°) • LAUS 20-1 A

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



#			$n_1 : n_2$	i $n_1 : n_2$	$n_{2 \max}$	$T_{2 \max}$	#
14802000860	ERAX 25	100 bar		1 : 1.23	6'000 min ⁻¹	20 Nm	14430100750

* 全サイクル時間の20%の場合(オーバーヒートのリスク)

ライブツール(回転工具)

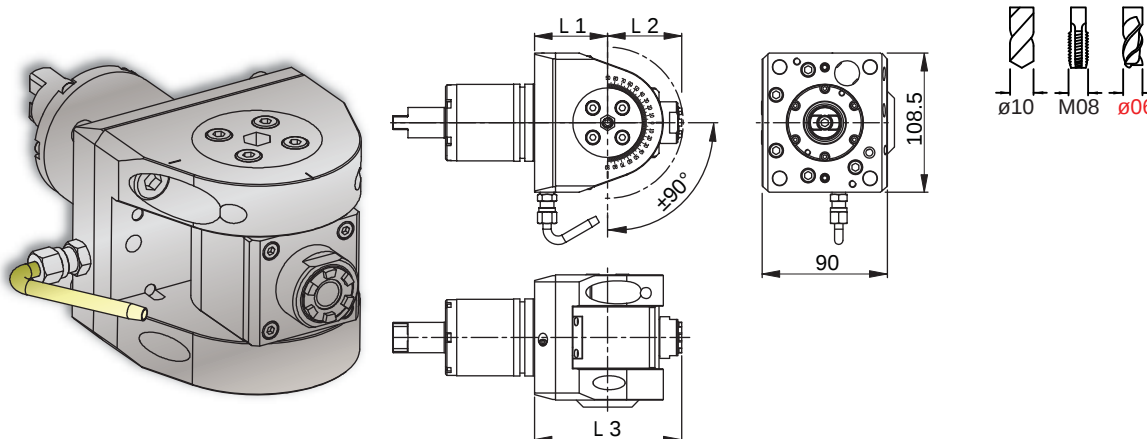
LOKUMA

Lathe Angular Unit Adujstable • LAUA 15-1 A/R

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



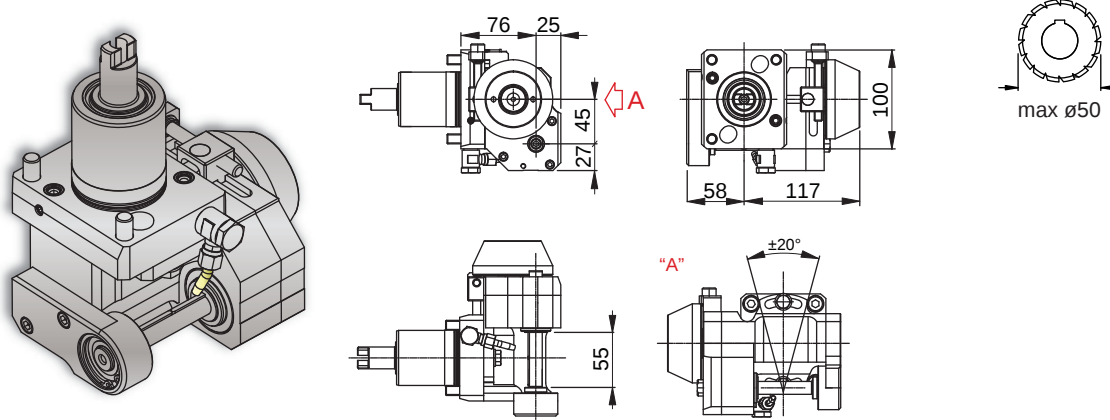
#				$n_1 : n_2$	i $n_1 : n_2$	$n_2 \max$	$T_2 \max$	L1	L2	L3	#
14826000180	ERAX 16		100 bar		1 : 1	5'000 min ⁻¹	15 Nm	52.5	53.3	105.5	14430100450
14826000310	ERAX 16		100 bar		1 : 1	5'000 min ⁻¹	15 Nm	65	53.3	118.3	14430100450

Lathe Angular Unit Milling • LAUM 25-1 A

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



#	+			$n_1 : n_2$	i $n_1 : n_2$	$n_2 \max$	$T_2 \max$	#
14800003150	+ 14420001150 → + 14420001160 → + 14420001170 → + 14420001190 →	Ø10 Ø13 Ø16 Ø22	100 bar		1 : 1	6'000 min ⁻¹	25 Nm	14430101100

静止ツール

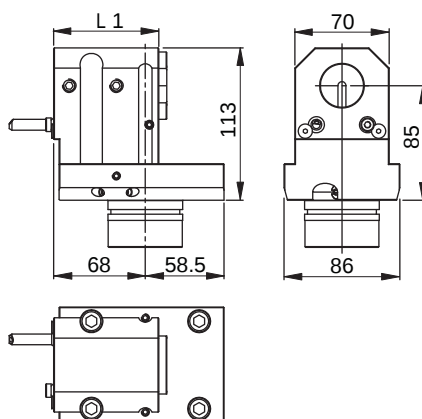
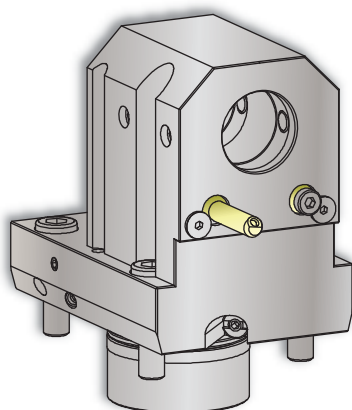
LOKUMA

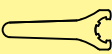
Lathe Angular Static • LAS 10/12/16/20/32-1 A

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



#			L1		# 
14910001490	ø 10	 100 bar	78		-
14910001501	ø 12	 100 bar	78		-
14910001511	ø 16	 100 bar	78		-
14910001521	ø 20	 100 bar	78		-
14910000921	ø 32	 100 bar	78		-
14910001591	ø 40	 100 bar	94		-

静止ツール

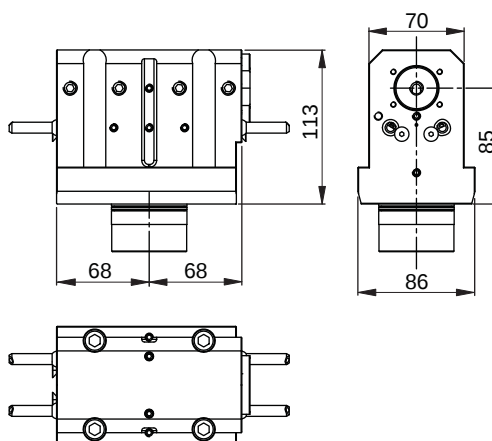
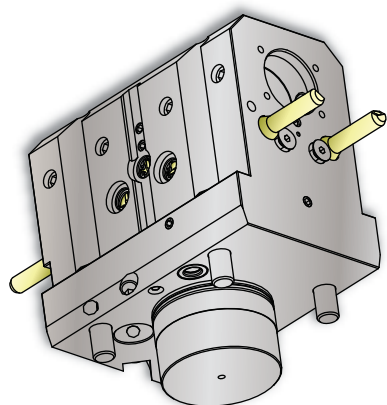
LOKUMA

Lathe Angular Static • LAS 32-1+1 A

SU-matic®

Machine
Types

LT2000 EX V16
M / MY

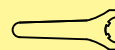


#



100 bar

#



14910000871

ø32

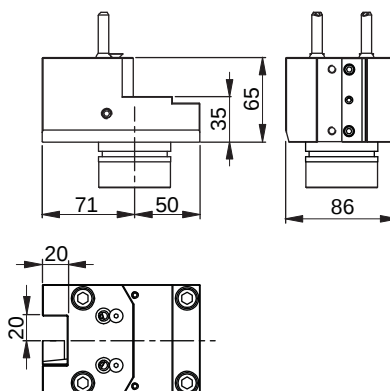
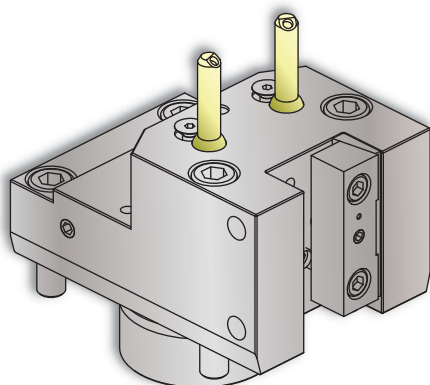
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Lathe Linear Static • LLS 20-1 R

SU-matic®

Machine
Types

LT2000 EX V16
M / MY

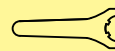


#



100 bar

#



14910000931

□20x20

-

静止ツール

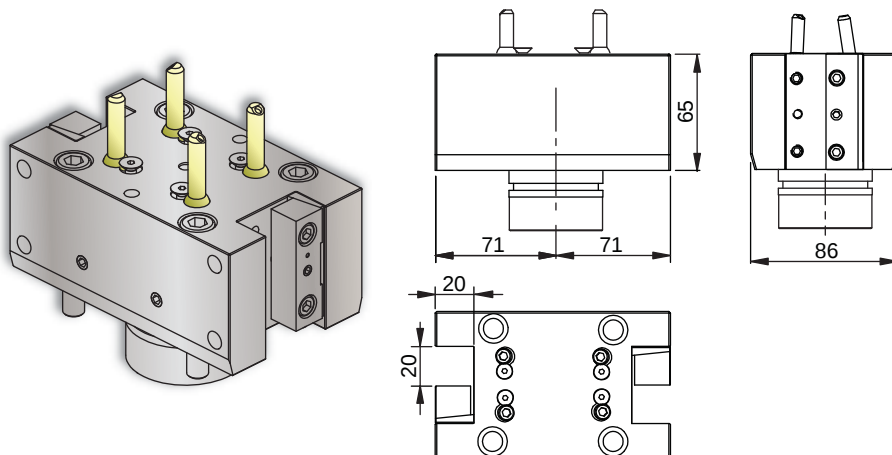
LOKUMA

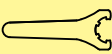
Lathe Linear Static • LLS 20-1+1 R

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



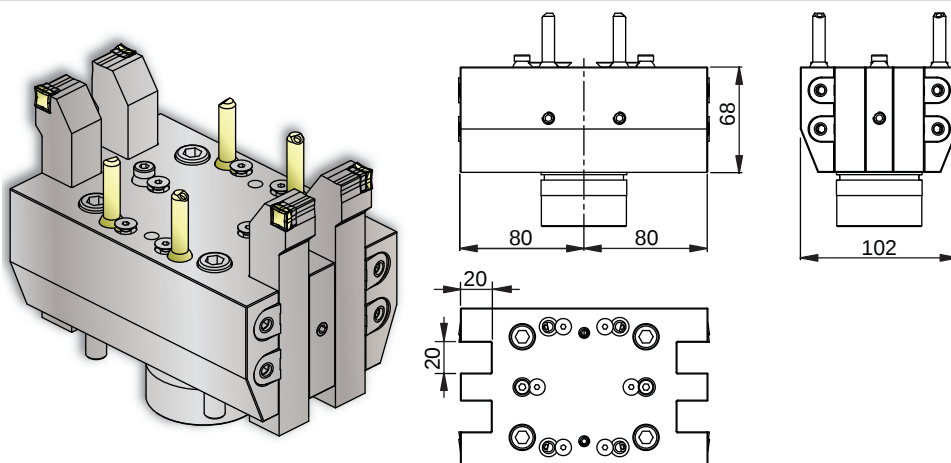
#				# 
14910000881	□20x20	 100 bar		-

Lathe Linear Static • LLS 20-2+2 R

SU-matic®

Machine
Types

LT2000 EX V16
MY



#				# 
14910002920	□20x20	 100 bar		-

静止ツール

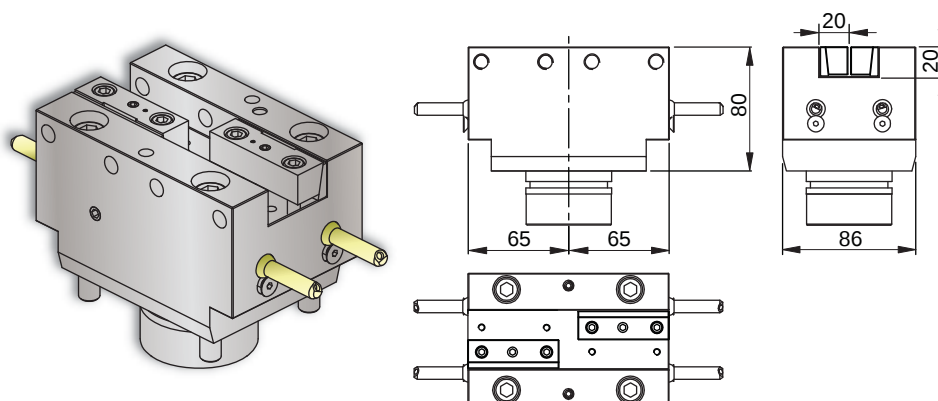
LOKUMA

Lathe Linear Static • LAS 20-1+1 A

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



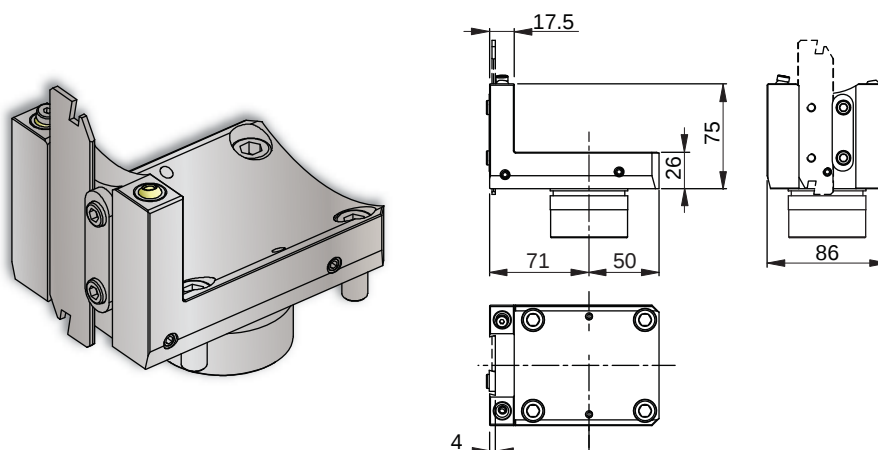
#				# 
14910000890	□20x20	 100 bar		-

Lathe Linear Static • LLS 26-1 R • Basic

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



#				# 
14910001141	4x26	 100 bar		-

静止ツール

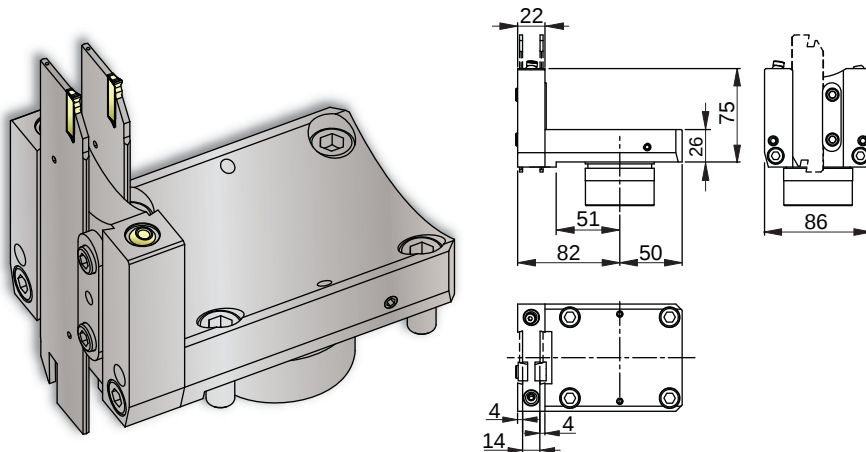
LOKUMA

Lathe Linear Static • LLS 26/32-2 R • Premium

SU-matic®

**Machine
Types**

LT2000 EX V16
M / MY



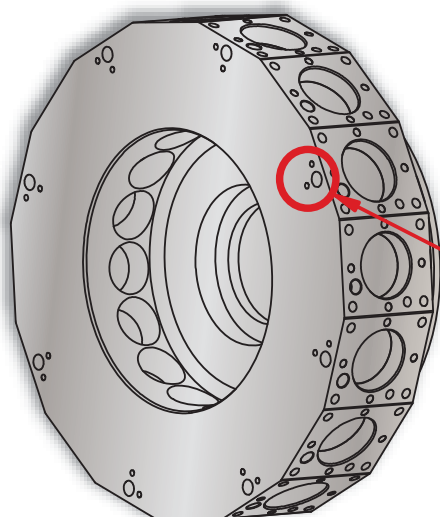
#				# 
14910001341	4x26	 100 bar		-
14910001721	4x32	 100 bar		-

CAPTO® ライブツール(回転工具)

LOKUMA

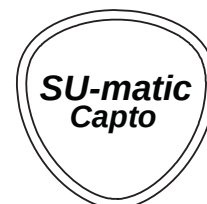
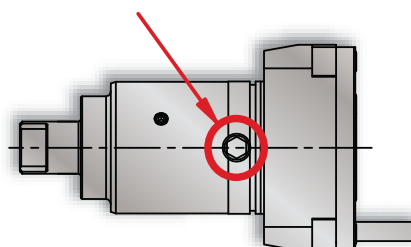
シューマチック社パテントのLT3000 Capto®

SU-matic®



シューマチック社の特許LT-シリーズCapto® ツーリングシステムは、非常に薄く設計されたターレットコレットロックポートによりCapto®の回転工具を組み込むことができ、非常に小さな突出し量で使用できます。(ターレットのステーション毎に3か所の追加ドリル穴加工が必要です。弊社にご連絡頂ければ詳細をサポートを行います)

キャプトシステムではターレット面からアクセスできます。

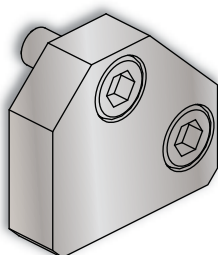


シーリング

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



#

14430000420



CAPTO® ライブツール(回転工具)

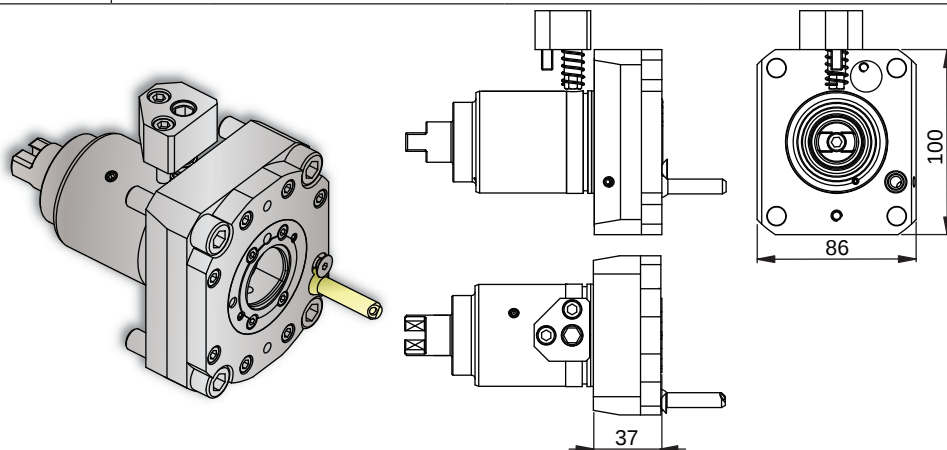
LOKUMA

Lathe Linear Unit • LLU 40-1 R C4

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



改造されたターレットでは低形状のツールのみ使用できます

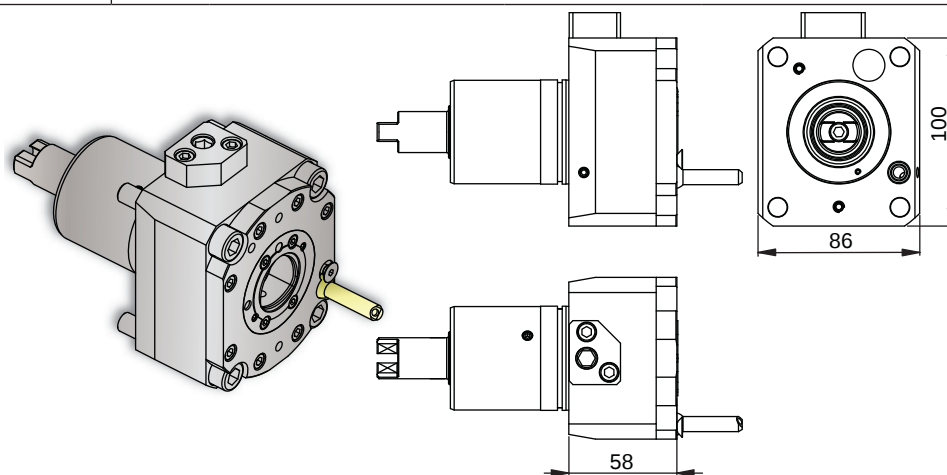
#			$n_1 : n_2$	i $n_1 : n_2$	$n_{2 \max}$	$T_{2 \max}$	#
14101001871	Capto C4	70 bar		1 : 1	6'000 min ⁻¹	40 Nm	14430100980

Lathe Linear Unit • LLU 40-1 R C4

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



#			$n_1 : n_2$	i $n_1 : n_2$	$n_{2 \max}$	$T_{2 \max}$	#
14101003270	Capto C4	70 bar		1 : 1	6'000 min ⁻¹	40 Nm	14430100980

CAPTO®

ライブツール(回転工具)

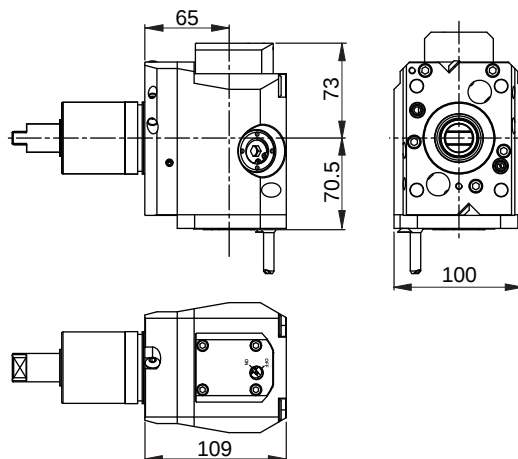
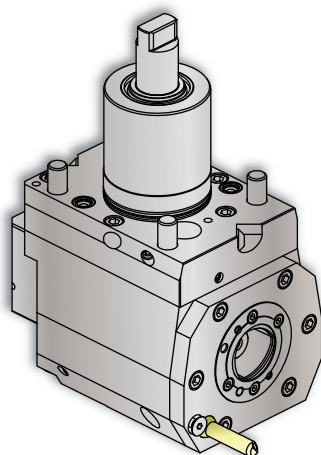
LOKUMA

Lathe Angular Unit • LAU 40-1 A C4

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



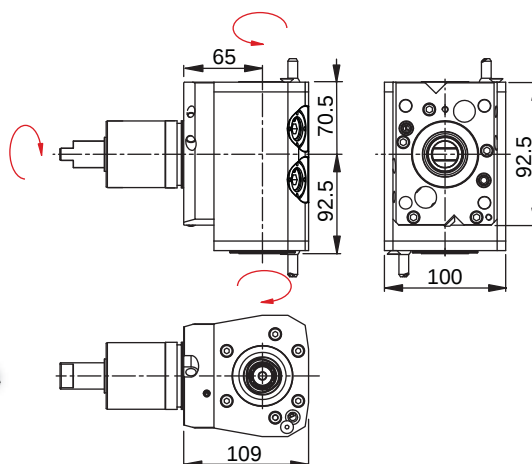
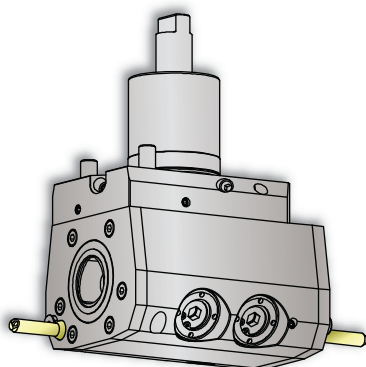
#				$n_1 : n_2$	i $n_1 : n_2$	$n_{2 \max}$	$T_{2 \max}$	#
14800002931	Capto C4		100 bar		1 : 1	6'000 min ⁻¹	40 Nm	14430100980

Lathe Angular Unit Twin • LAUT 40-1+1 A C4

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



#				$n_1 : n_2$	i $n_1 : n_2$	$n_{2 \max}$	$T_{2 \max}$	#
14801000880	Capto C4		100 bar	-	1 : 1	6'000 min ⁻¹	40 Nm	14430100980

CAPTO® 静止ツール

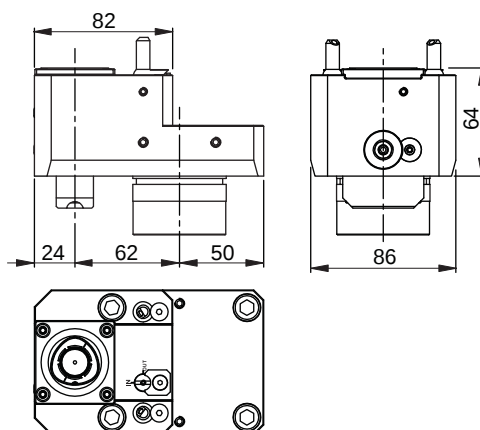
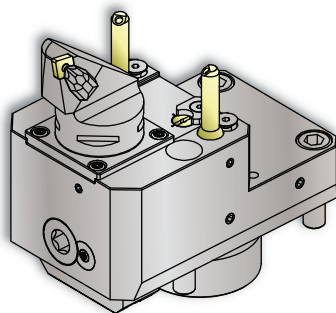
LOKUMA

Lathe Linear Static • LLS C4-1 R

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



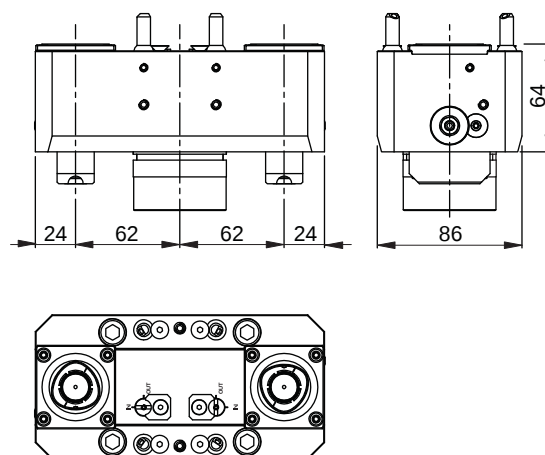
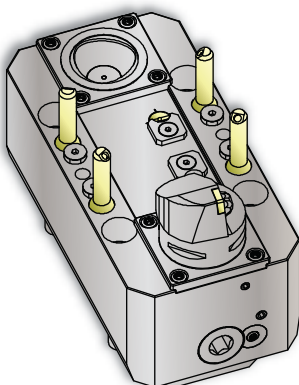
#				# 
14910001120	Capto C4	 100 bar		14430100980

Lathe Linear Static Twin • LLS C4-1+1 R

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



#				# 
14910001130	Capto C4	 100 bar		14430100980

CAPTO®

静止ツール

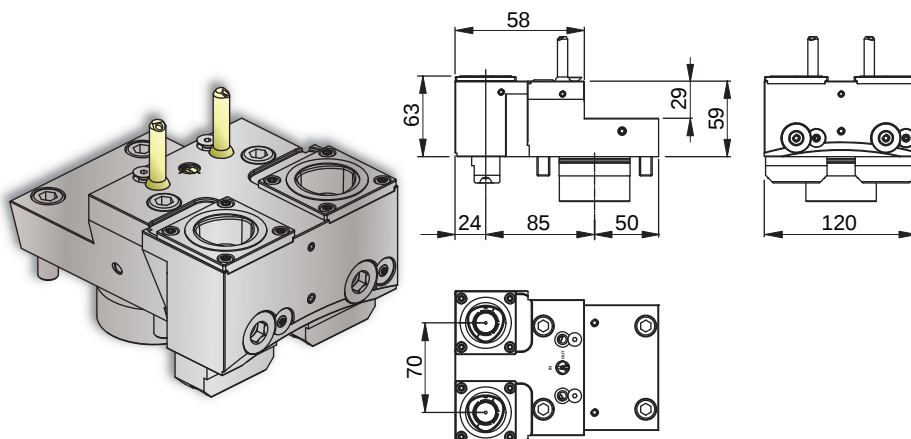
LOKUMA

Lathe Linear Static • LLS C4-2 R

SU-matic®

Machine
Types

LT2000 EX V16
MY



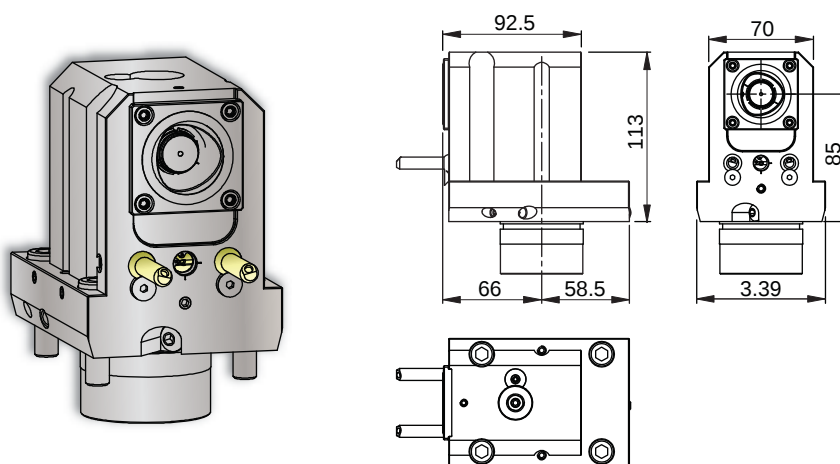
#				#
14910002650	Capto C4	100 bar		14430100980

Lathe Anguar Static • LAS C4-1A

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



#				#
14910001100	Capto C4	100 bar		14430100980

CAPTO® 静止ツール

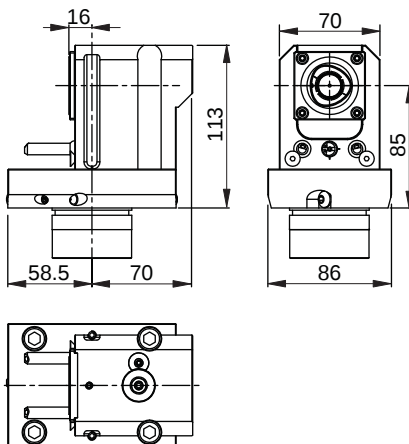
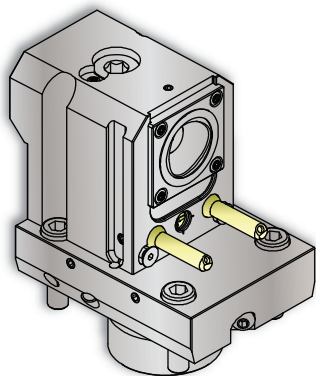
LOKUMA

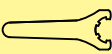
Lathe Angular Static Offset • LASO C4-1A

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



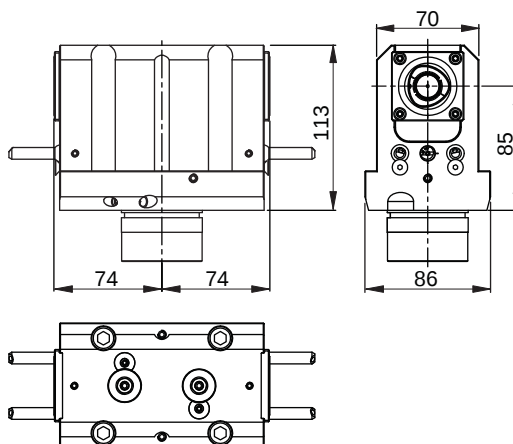
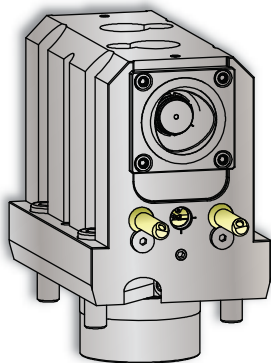
#				# 
14910001380	Capto C4	 100 bar		14430100980

Lathe Angular Static Twin • LAST C4-1+1 A

SU-matic®

Machine
Types

LT2000 EX V16
M / MY



#				# 
14910001110	Capto C4	 100 bar		14430100980

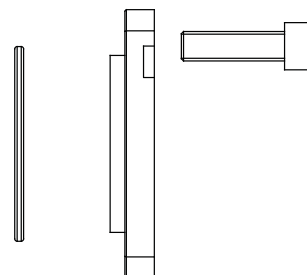
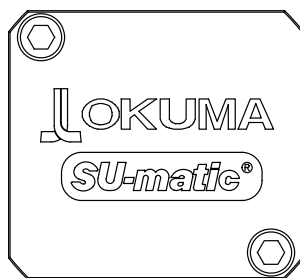
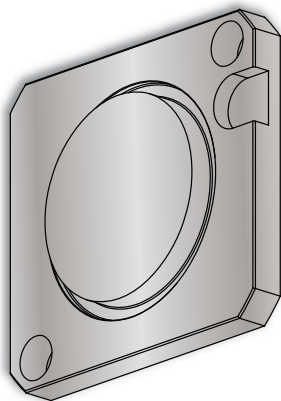
付属品

ターレット用プラグ(栓)

SU-matic®

Machine
Types

LT2000 EX V16

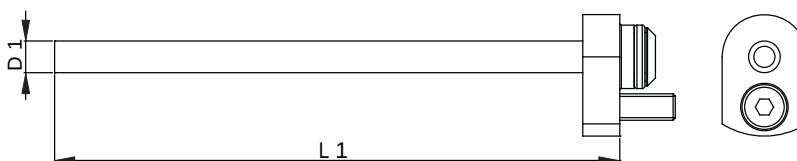
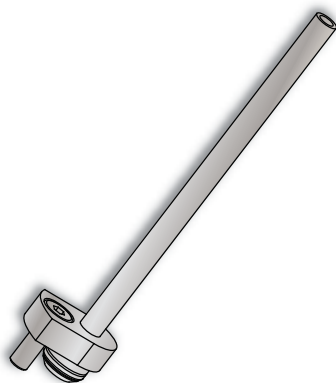


#

14430000370

高圧クーラントパイプ

SU-matic®



#

L1

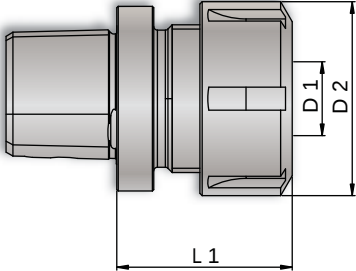
D1

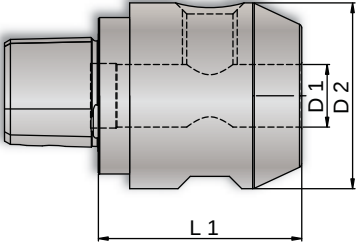
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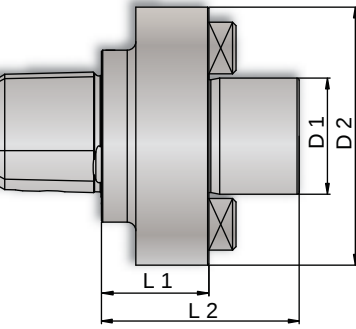
107

6

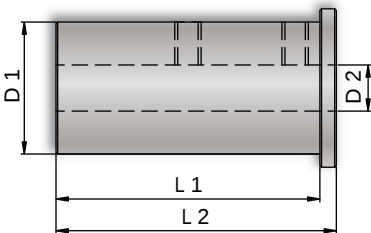
付属品

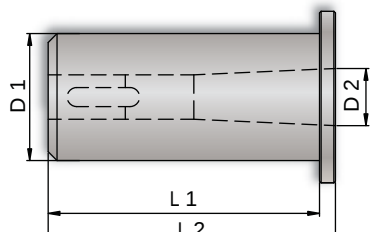
Capto	#		D 1	D 2	L 1	-
	14420001030	C3 x ER 16	ER 16	ø28	35	-
	14420001040	C3 x ER 20	ER 20	ø34	36	-
	14420001080	C4 x ER 16	ER 16	ø28	35	-
	14420001090	C4 x ER 25	ER 25	ø42	38	-

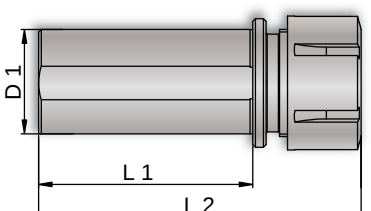
Capto	#		D 1	D 2	L 1	-
	14420001000	C3 x Ø 6mm	ø6	ø24	43	-
	14420001010	C3 x Ø 10mm	ø10	ø34.5	47	-
	14420001020	C3 x Ø 12mm	ø12	ø41.5	52	-
	144200010XX	C4 x Ø 6mm	ø6	ø24.5	40	-
	14420001050	C4 x Ø 10mm	ø10	ø34.5	47	-
	14420001060	C4 x Ø 12mm	ø12	ø41.5	49	-
	14420001070	C4 x Ø 16mm	ø16	ø47.5	52	-

Capto	#		D 1	D 2	L 1	L 2
	144200010XX	C4 x Ø 16mm	ø16	ø36	20	37
	144200010XX	C4 x Ø 22mm	ø22	ø48	20	39
	144200010XX	C4 x Ø 27mm	ø27	ø60	25	46

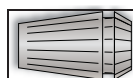
付属品

リダクションスリーブ (円筒形)	#		D 1	D 2	L 1	L 2
	3001404010	Ø 32 x 6 mm	32	6	70	75
	3001404011	Ø 32 x 8 mm	32	8	70	75
	3001404012	Ø 32 x 10 mm	32	10	70	75
	3001404013	Ø 32 x 12 mm	32	12	70	75
	3001404014	Ø 32 x 14 mm	32	14	70	75
	3001404015	Ø 32 x 16 mm	32	16	70	75
	3001404016	Ø 32 x 18 mm	32	18	70	75
	3001404017	Ø 32 x 20 mm	32	20	70	75
	3001405004	Ø 32 x 25 mm	32	25	70	75
	3001404018	Ø 40 x 6 mm	40	6	80	85
	3001404019	Ø 40 x 8 mm	40	8	80	85
	3001404020	Ø 40 x 10 mm	40	10	80	85
	3001404021	Ø 40 x 12 mm	40	12	80	85
	3001404022	Ø 40 x 14 mm	40	14	80	85
	3001404023	Ø 40 x 16 mm	40	16	80	85
	3001404024	Ø 40 x 18 mm	40	18	80	85
	3001404025	Ø 40 x 20 mm	40	20	80	85
	3001404026	Ø 40 x 25 mm	40	25	80	85
	3001405005	Ø 40 x 32 mm	40	32	80	85

リダクションスリーブ (モールステーパ)	#		D 1	D 2	L 1	L 2
	3001404010	Ø 32 x MT 1	32	MT 1	85	90
	3001404011	Ø 32 x MT 2	32	MT 2	85	90
	3001404012	Ø 32 x MT 3	32	MT 3	95	100
	3001404018	Ø 40 x MT 2	40	MT 2	105	110
	3001404019	Ø 40 x MT 3	40	MT 3	105	110
	3001404020	Ø 40 x MT 4	40	MT 4	120	125

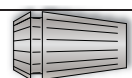
コレットツールホルダー	#		L 1	L 2	D 1	-
	14420000870	Ø 32 x ER 25	70	107.5	32	-
	14420000810	Ø 32 x ER 32	113	153.5	32	-
	14420000880	Ø 40 x ER 32	70	107.5	40	-

付属品



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コレット

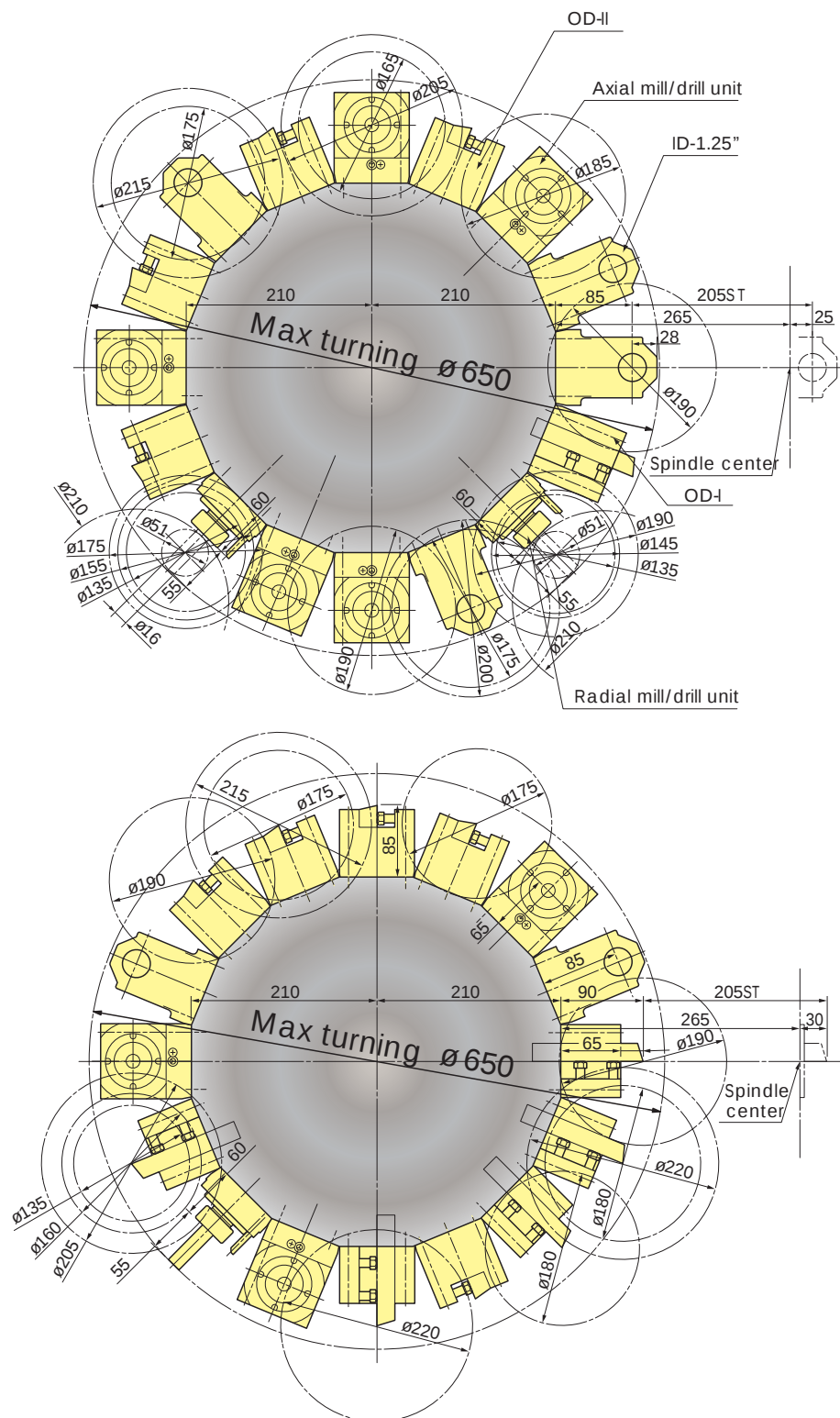


	ER 11	ER 16	ER 20	ER 25	ER 32	ER 40	ER 50
ø 1.00 - 0.50	3900110010	3900160010	3900200010	3900250010	-	-	-
ø 2.00 - 1.00	3900110020	3900160020	3900200020	3900250020	3900320020	-	
ø 3.00 - 2.00	3900110030	3900160030	3900200030	3900250030	3900320030	3900400030	
ø 4.00 - 3.00	3900110040	3900160040	3900200040	3900250040	3900320040	3900400040	-
ø 5.00 - 4.00	3900110050	3900160050	3900200050	3900250050	3900320050	3900400050	
ø 6.00 - 5.00	3900110060	3900160060	3900200060	3900250060	3900320060	3900400060	
ø 7.00 - 6.00	3900110070	3900160070	3900200070	3900250070	3900320070	3900400070	3900500060
ø 8.00 - 7.00	-	3900160080	3900200080	3900250080	3900320080	3900400080	
ø 9.00 - 8.00	-	3900160090	3900200090	3900250090	3900320090	3900400090	
ø 10.00 - 9.00	-	3900160100	3900200100	3900250100	3900320100	3900400100	3900500100
ø 11.00 - 10.00	-	-	3900200110	3900250110	3900320110	3900400110	
ø 12.00 - 11.00	-	-	3900200120	3900250120	3900320120	3900400120	
ø 13.00 - 12.00	-	-	3900200130	3900250130	3900320130	3900400130	3900500140
ø 14.00 - 13.00	-	-	-	3900250140	3900320140	3900400140	
ø 15.00 - 14.00	-	-	-	3900250150	3900320150	3900400150	
ø 16.00 - 15.00	-	-	-	3900250160	3900320160	3900400160	3900500160
ø 17.00 - 16.00	-	-	-	3900250170	3900320170	3900400170	
ø 18.00 - 17.00	-	-	-	-	3900320180	3900400180	
ø 19.00 - 18.00	-	-	-	-	3900320190	3900400190	3900500200
ø 20.00 - 19.00	-	-	-	-	3900320200	3900400200	
ø 21.00 - 20.00	-	-	-	-	3900320210	3900400210	
ø 22.00 - 21.00	-	-	-	-	3900320220	3900400220	3900500220
ø 23.00 - 22.00	-	-	-	-	-	3900400230	
ø 24.00 - 23.00	-	-	-	-	-	3900400240	
ø 25.00 - 24.00	-	-	-	-	-	3900400250	3900500260
ø 26.00 - 25.00	-	-	-	-	-	3900400260	
ø 27.00 - 26.00	-	-	-	-	-	3900400270	
ø 28.00 - 27.00	-	-	-	-	-	3900400280	3900500280
ø 29.00 - 28.00	-	-	-	-	-	3900400290	
ø 30.00 - 29.00	-	-	-	-	-	3900400300	
ø 32.00 - 30.00	-	-	-	-	-	-	3900500320
ø 34.00 - 32.00	-	-	-	-	-	-	
ø 36.00 - 34.00	-	-	-	-	-	-	

インターフェース

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メモ

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no text or other markings on the paper.

メモ

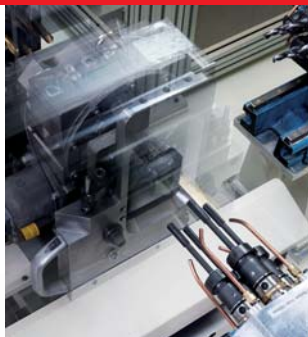
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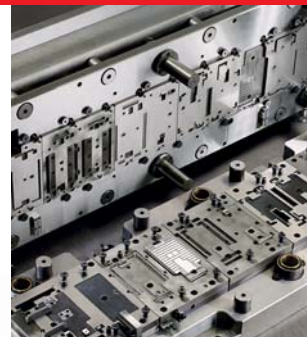
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