



QUALIFIED PRODUCTS

NLX 4000



HIGH TORQUE LIVE TOOLS



Mori Seiki NLX 4000 High Torque Live Tools

Fax: (847) 367-4815

Email: inquiries@lyndexnikken.com

Fill in the form below and fax it to (847) 367-4815, or visit www.lyndexnikken.com and complete the form online. Lyndex-Nikken engineers will help you to determine the best live tool for your application.

Company _____ Name _____

Address _____

Zip _____ City _____

Phone _____ E-mail _____

Please specify design configuration:



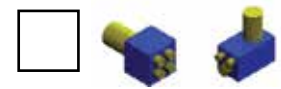
Standard:
1) straight
2) 90° (reducer/speeder)



Offset:
1) straight
2) 90°



Saw Blade Holder:
1) straight
2) 90°



Multi Output:
1) straight
2) 90°



Offset Multi Output:
1) straight
2) 90°



Adjustable Y straight



Adjustable Angle



Fixed Angle

Please specify holding system and cutting tool specifications:

Holding System

Preferred type of holding system (ER, Shrink Fit, Shell Mill Arbor, etc.): _____

Application and Cutting Tool Specifications

Type of material: _____

Type and nature of application (milling, drilling, reaming, slitting, etc.): _____

Size of cutter (diameter): _____ Overall length of cutter: _____

Flute length: _____ Requested RPM: _____ Requested torque: _____

Coolant Requirements

External/Internal: _____ Requested pressure capabilities: _____

Number of nozzle ports: _____ Coolant pipe design or configuration specifications: _____



847-367-4800

www.lyndexnikken.com

Mori Seiki NLX 4000 High Torque Live Tools



MORI SEIKI TOOLING

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Specials

Custom-made live tools can be engineered for your specific application. Please direct your request to our office (see special live tool inquiry form). Our engineering staff is ready to assist you with your specific tooling needs.



Parts inventory, maintenance and repair, and rebuild services are available through Lyndex-Nikken.



Lyndex-Nikken is an Official Mori Seiki Qualified Peripherals (DMSQP) supplier.



Lyndex-Nikken live tools are manufactured by Alps Tool Co. Ltd.

Maximize the capabilities of your Mori Seiki Machine

Mori Seiki has selected Alps/Lyndex-Nikken live tools for inclusion in their DMSQP (Mori Seiki Qualified Peripherals) program to ensure that peripheral equipment used on their lathes and machining centers is consistent both in terms of quality and performance.

Alps live tooling for Lyndex-Nikken offers the latest technology you can expect for turning operations. Designed and manufactured directly with Mori Seiki engineers in Japan, our live tools have features and benefits unmatched by the competition. Gears, bearings, seals, every part is built to provide the highest accuracy, rigidity and stability.

With more than 30 years of tooling engineering and manufacturing experience, Lyndex-Nikken live tooling will maximize the capabilities of your machine, and keep you far ahead of the global competition. We understand that exceptional quality is key to your business. Let the manufacturers who share your philosophy in producing live tools join you in doing what you do best - machining the highest quality parts.

Enhanced with Alps/Lyndex-Nikken live tooling, your Mori Seiki machine will allow you to reduce cycle times, eliminate extra operations and achieve maximum efficiency.

Features and Technology

As an authorized OEM supplier to Mori Seiki, Lyndex-Nikken live tools are designed and manufactured in conjunction with Mori Seiki engineers.



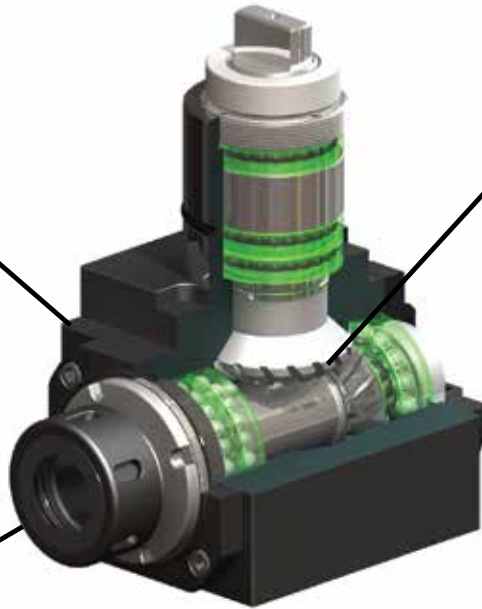
Protective Seals

- **Labyrinth Seals** - provide a high-pressure multi-barrier construction that prevents contaminants and coolant from entering the main chamber.



Eccentric Bearing Nut

- **Ground Eccentric Nut** - allows for fine accuracy and strong tool shank gripping capacity by preventing collet twisting or rocking.
- **Runout** - guarantee of under 5-micron repeatability at collet nose.



Gears for Stability











- **Gear Pairing** - hand-matched for each pair to minimize backlash.
- **Gear Design** - custom ground spiral bevel gear tooth design maximizes drive torque output and reduces tooth root stress allowing for more tool longevity.
- **Gear Equilibrium** - placement of bearings balance torque stress evenly through input/output shafts.

Tool Design and Engineering

- **Tool Body** - manufactured from the highest tensile and compression Nickel Chrome Molybdenum alloys.
- **Drive Shafts** - all features are ground on both the input and output Chrome Molybdenum drive shafts to assure proper torque transmission and precision concentricity.
- **Bearing Quality** - only the highest precision ABEC 7 angular contact bearings are used for smooth and high speed rotation.
- **Quality Control** - all live tools go through a vigorous 60-point final inspection to satisfy the highest expectations of live tool performance.

Mori Seiki NLX 4000 High Torque Live Tools

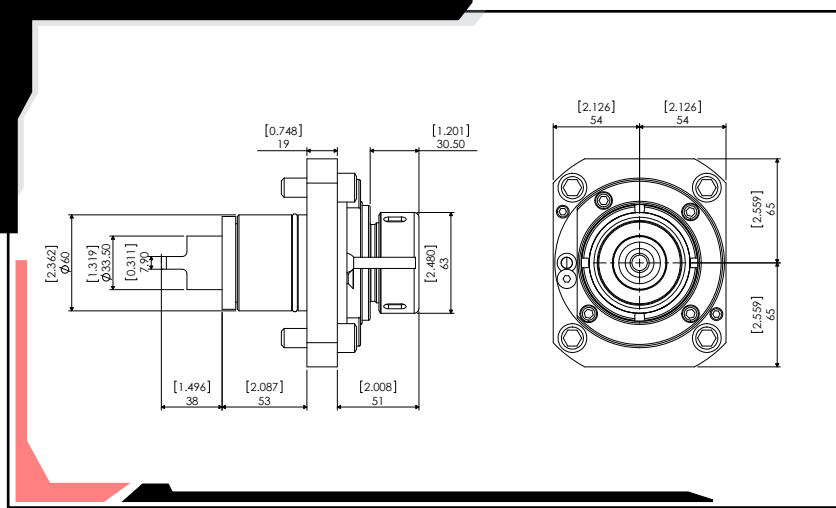
LIVE TOOLS

Product	Part Number	Output	Coolant Type	Page #
	ER40 OD Drill/Milling Unit			
	Lyndex Nikken Part Number: MNL12HT-ER40X	ER 40	External	7
Mori Seiki Part Number: T32544				
	25mm OD Milling Chuck Holder			
	Lyndex Nikken Part Number: MNL12HT-TRX25MMX	25mm	External	7
Mori Seiki Part Number: T32543				
	32mm OD Milling Chuck Holder			
	Lyndex Nikken Part Number: MNL12HT-TRX32MMX	32mm	External	8
Mori Seiki Part Number: T32583				
	OD Shell Mill Unit with 1.25" Mill Arbor			
	Lyndex Nikken Part Number: MNL12HT-SM12X	1.25"	External	8
Mori Seiki Part Number: T32579				
	CAPTO C6 Face OD Drill/Milling Unit			
	Lyndex Nikken Part Number: MNL12HT-CAPT06X	C6	External	9
Mori Seiki Part Number: T32585				
	ER40 Drill/Milling Unit			
	Lyndex Nikken Part Number: MNL12HT-ER40Z	ER 40	External	9
Mori Seiki Part Number: T32546				
	25mm Face Milling Chuck Unit			
	Lyndex Nikken Part Number: MNL12HT-TRX25MMZ	25mm	External	10
Mori Seiki Part Number: T32545				
	32mm Face Milling Chuck Unit			
	Lyndex Nikken Part Number: MNL12HT-TRX32MMZ	32mm	External	10
Mori Seiki Part Number: T32584				
	OD Shell Mill Unit with 1.25" Mill Arbor			
	Lyndex Nikken Part Number: MNL12HT-SM12Z	1.25"	External	11
Mori Seiki Part Number: T32580				
	CAPTO C6 Face Drill/Milling Unit			
	Lyndex Nikken Part Number: MNL12HT-CAPT06Z	C6	External	11
Mori Seiki Part Number: T32586				

Mori Seiki NLX 4000 High Torque Live Tools

ER40 OD Drill/Milling Unit

Part #: MNL12HT-ER40X



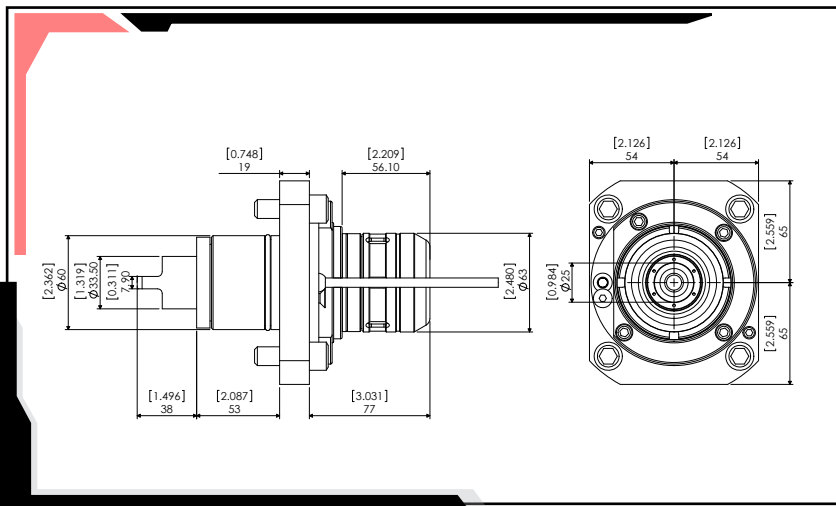
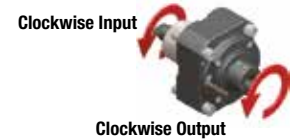
Mori Part #: T32544



Max RPM	Gear Ratio	Torque (N.m)	Replacement Nut	Nut Wrench	Spindle Wrench	Coolant Nozzle
2500	1:1	100	NA40	FK-9	FK-10	HI103-37110

25mm OD Milling Chuck Holder

Part #: MNL12HT-TRX25MMX



Mori Part #: T32543



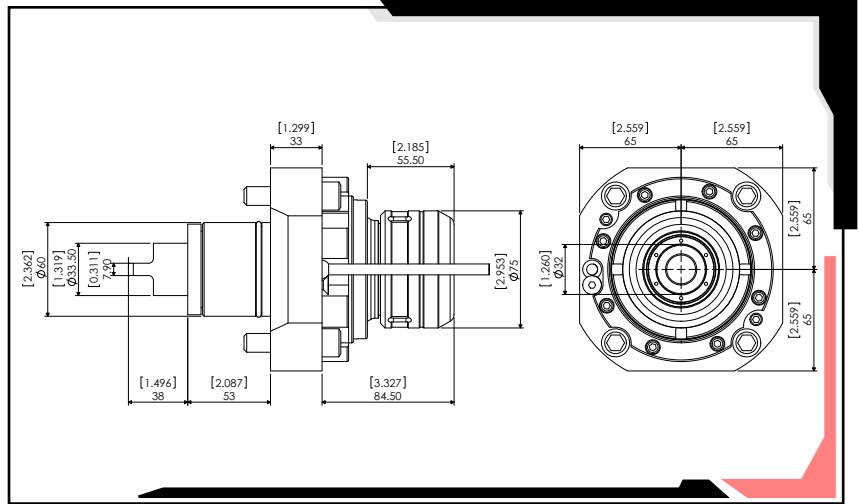
Max RPM	Gear Ratio	Torque (N.m)	Replacement Nut	Nut Wrench	Spindle Wrench	Coolant Nozzle
2500	1:1	100	N/A	FK-9	FK-10	MYA01-1200

32mm OD Milling Chuck Holder

Part #: MNL12HT-TRX32MMX



Mori Part #: T32583



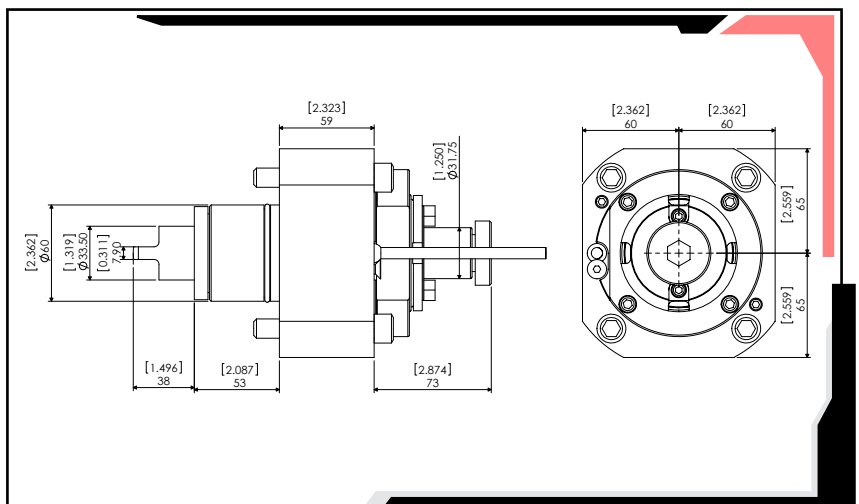
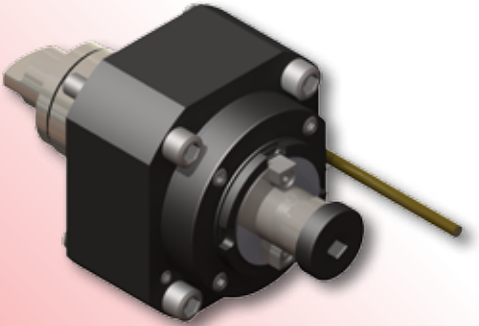
Max RPM	Gear Ratio	Torque (N.m)	Replacement Nut	Nut Wrench	Spindle Wrench	Coolant Nozzle
2500	1:1	100	N/A	FK-10	FK-0085	MYA01-12000

OD Shell Mill Unit with 1.25" Mill Arbor

Part #: MNL12HT-SM12X



Mori Part #: T32579

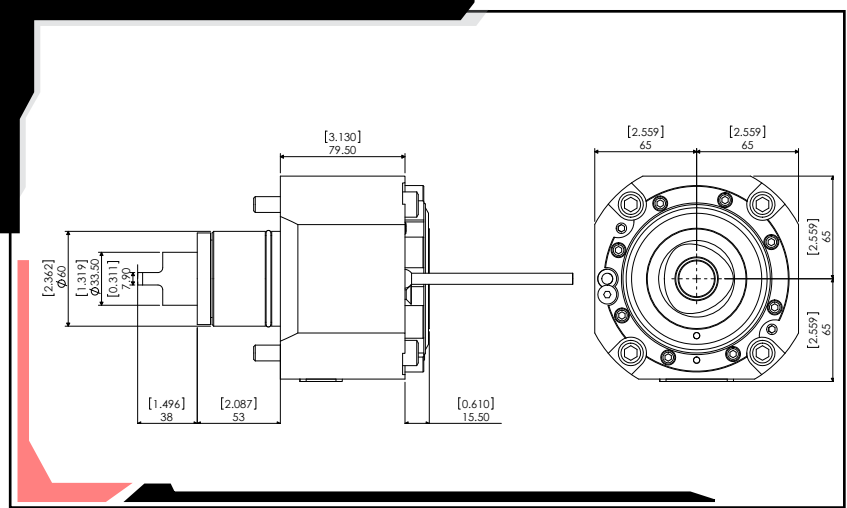


Max RPM	Gear Ratio	Torque (N.m)	Replacement Nut	Nut Wrench	Spindle Wrench	Coolant Nozzle
2500	1:1	100	N/A	14mm Hex	FK-10	MYA01-1200

Mori Seiki NLX 4000 High Torque Live Tools

CAPTO C6 OD Drill/Milling Unit

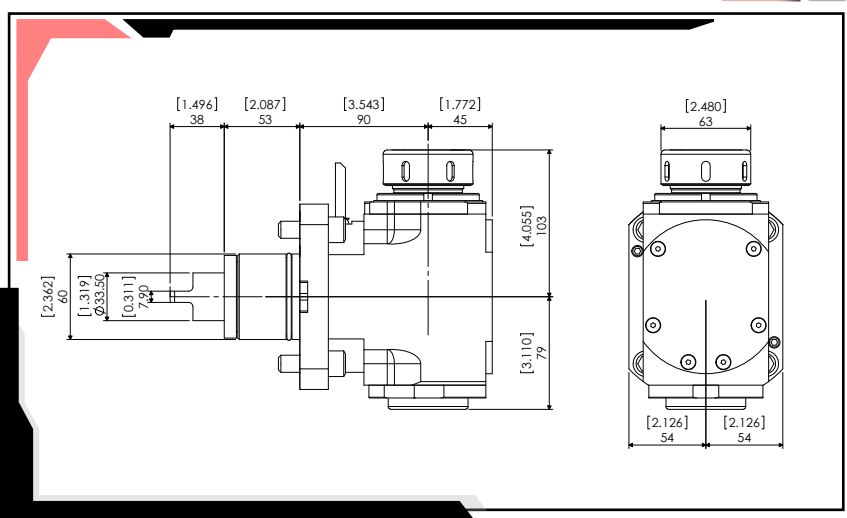
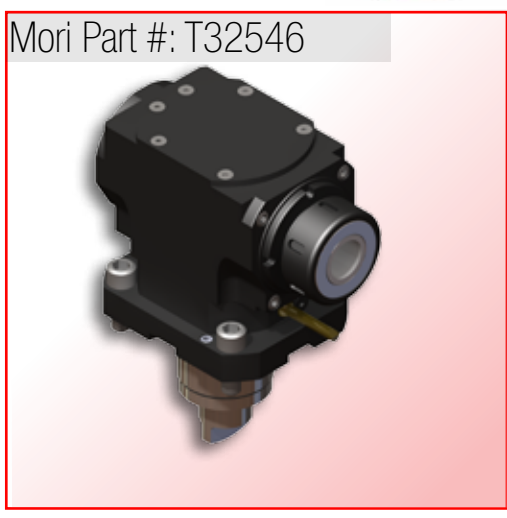
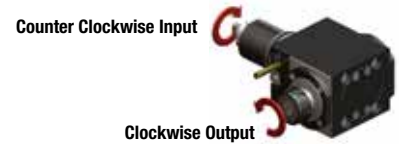
Part #: MNL12HT-CAPT06X



Max RPM	Gear Ratio	Torque (N.m)	Replacement Nut	Nut Wrench	Spindle Wrench	Coolant Nozzle
2500	1:1	100	N/A	12mm hex	N/A	MYA01-12000

ER40 OD Drill/Milling Unit

Part #: MNL12HT-ER40Z



Max RPM	Gear Ratio	Torque (N.m)	Replacement Nut	Nut Wrench	Spindle Wrench	Coolant Nozzle
2500	1:1	100	NA40	FK-9	FK-10	HI103-37110



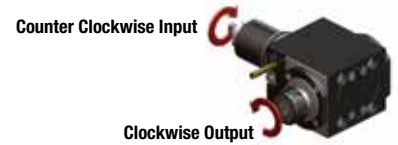
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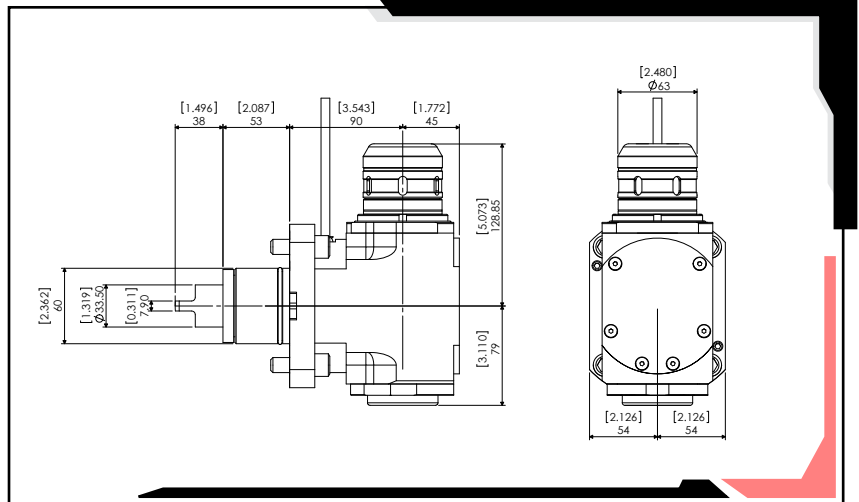
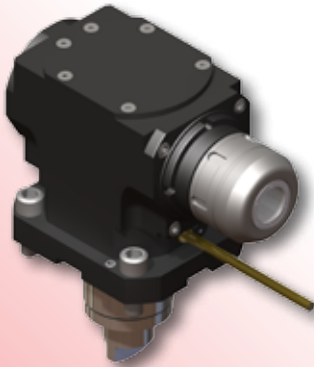
Mori Seiki NLX 4000 High Torque Live Tools





25mm OD Face Milling Chuck Unit

Part #: MNL12HT-TRX25MMZ



Mori Part #: T32545



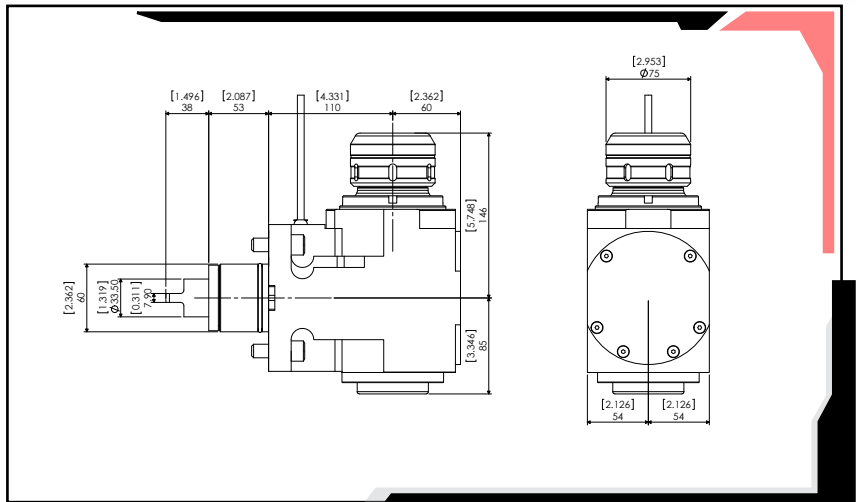
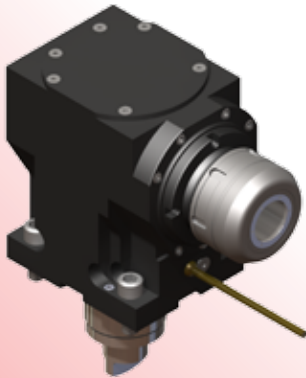
Max RPM	Gear Ratio	Torque (N.m)	Reduction Collet	Nut Wrench	Spindle Wrench	Coolant Nozzle
2500	1:1	100	KM 25mm  KM 25mm Collets on pg 18	FK-9 	FK-10 	MYA01-12000 





32mm Face Milling Chuck Unit

Part #: MNL12HT-TRX32MMZ



Mori Part #: T32584



Max RPM	Gear Ratio	Torque (N.m)	Reduction Collet	Nut Wrench	Spindle Wrench	Coolant Nozzle
2500	1:1	100	KM 32mm  KM 32mm Collets on pg 18	FK-10 	FK-0085 	MYA01-12000 

Mori Seiki NLX 4000 High Torque Live Tools

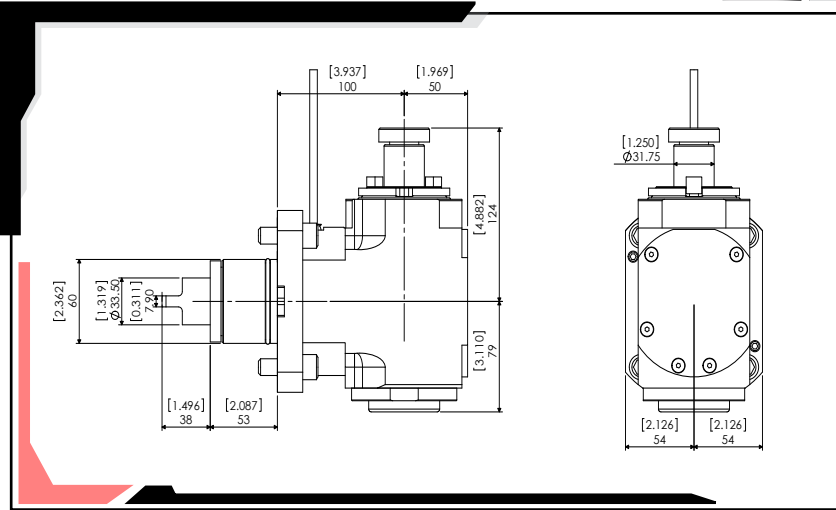
OD Shell Mill Unit with 1.25" Mill Arbor

Part #: MNL12HT-SM12Z

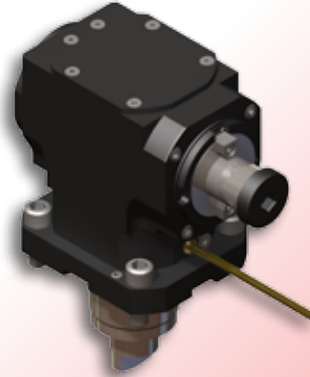
Counter Clockwise Input



Clockwise Output



Mori Part #: T32580



Max RPM	Gear Ratio	Torque (N.m)	Replacement Nut	Nut Wrench	Spindle Wrench	Coolant Nozzle
2500	1:1	100	N/A	14mm Hex	FK-10	MYA01-1200

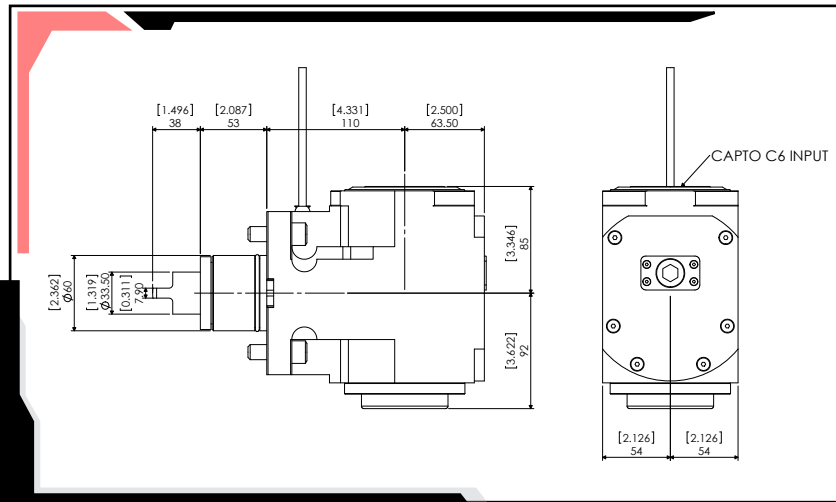
CAPTO C6 Face Drill/Milling Unit

Part #: MNL12HT-CAPT06Z

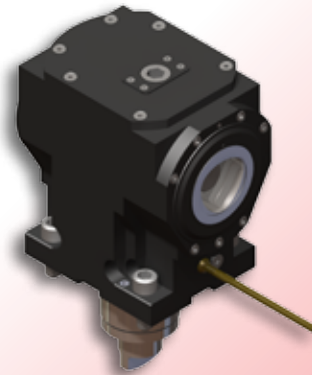
Counter Clockwise Input



Clockwise Output



Mori Part #: T32586



Max RPM	Gear Ratio	Torque (N.m)	Replacement Nut	Nut Wrench	Spindle Wrench	Coolant Nozzle
2500	1:1	100	N/A	12mm hex	N/A	MYA01-12000

Mori Seiki NLX 4000 Standard Live Tools (Non High Torque Version)

LIVE TOOLS

Product	Part Number	Output	Ext./Int. Coolant	Max. RPM
	OD Drill/Mill Unit with ER Output			
	MNL12-ER32X	ER32		6000
	MNL12-ER32X-C-2MP	ER32	IC	3000
	MNL12-ER32X-C-7MP	ER32	IC	6000
	MNL12-ER32X-C-7MP-MI	ER32	IC	6500
	MNL12-ER40X	ER40		6000
	MNL12-ER40X-C-7MP	ER40	IC	6000
	MNL12-ER40X-C-7MP-MI	ER40	IC	6500
	MNL12-ER40X-62	ER40		6000
	Offset Type OD Drill/Mill Unit with ER Output			
	MNL12-ER20X-OFF	ER20		6000
	MNL12-ER32X-OFF	ER32		6000
	MNL12-ER16Y-OFF-MD	ER16		6000
	OD Drill/Mill Unit with 2 x ER Output			
	MNL12-ER25X-MSD	ER25		6000
	MNL12-ER25Y-MD	ER25		6000
	Adjustable Angle Drill/Mill Unit			
	MNL12-ER20-AD	ER20		4000
	OD Milling Chuck Holder			
	MNL12-TRX75X	3/4"		3000
	OD Shell Mill Unit with Mill Arbor			
	MNL12-SM22MMX	22mm		3000
	MNL12-SM10X	1"		3000
	MNL12-SM75X	3/4"		6000
	OD Weldon Drill/Mill Unit			
	MNL12-EMH20MMX	20mm		3000
	MNL12-EMH25MMX	25mm		3000
	MNL12-EMH10X	1"		3000
	OD Capto Drill/Mill Unit			
	MNL12-CAPTO4X-HS	C4		6000
	Mimatic Quick Change System OD Drill/Mill Unit			
	MNL12-MI50X-C-7MP-MI	MI50	IC	6500
	Face Drill/Mill Unit with ER Output			
	MNL12-ER32Z	ER32		6000
	MNL12-ER32Z-C-7MP	ER32	IC	6000
	MNL12-ER32Z-C-7MP-MI	ER32	IC	6500
	MNL12-ER40Z	ER40		6000
	MNL12-ER40Z-C-7MP	ER40	IC	6000
	MNL12-ER40Z-C-7MP-MI	ER40	IC	6500
	Face Drill/Mill Unit with 2 or 4 X ER Output			
	MNL12-ER32Z-MS	ER32		6000
	MNL12-ER40Z-MS	ER40		6000
	MNL12-ER16Z-MD	ER16		6000
	MNL12-ER25Z-MD	ER25		6000
	MNL12-ER25Z-MD-C-7MP	ER25	IC	6000
	MNL12-ER25Z-MSD	ER25		6000
	Face Milling Chuck Holder			
	MMNL12-TRX75Z	3/4"		3000
	Face Shell Mill Unit with Mill Arbor			
	MNL12-SM10Z	1"		3000
	MNL12-SM22MMZ	22mm		3000
	Face Weldon Drill/Milling Unit			
	MNL12-EMH10Z	1"		3000
	MNL12-EMH20MMZ	20mm		3000
	MNL12-EMH25MMZ	25mm		3000
	Face Capto Drill/Mill Unit			
	MNL12-CAPTO4Z-HS	C4		6000
	MNL12-CAPTO4Z-C-2MP	C4	IC	3000
	Mimatic Quick Change Face Drill/Mill Unit			
	MNL12-MI50Z-C-7MP-MI	MI50	IC	6500
	Mimatic Quick Change Face Drill/Mill Unit with 2 X ER Output			
	MNL12-MI40Z-MS-C-MI	MI50	IC	6500

STATIC TOOLS

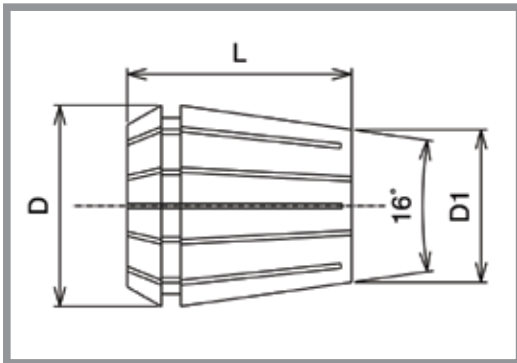
Product	Part Number	Output	Ext./Int. Coolant	Type
OD Turning Tool / Cutting Holder				
	MNL12-OD75X	3/4"		
	MNL12-OD20MX-HW	20mm		
	MNL12-OD10X	1"		
	MNL12-OD25MX-HW	25mm		
	MNL12-OD75X-MS	3/4"		2 output
	MNL12-OD20MX-MS-HW	20mm		2 output
	MNL12-OD10X-MS	1"		2 output
	MNL12-OD25MX-MS-HW	25mm		2 output
	MNL12-OD75X-MSD-HW	3/4"		4 output
	MNL12-OD20MX-MSD-HW	20mm		4 output
	MNL12-OD10X-MSD	1"		4 output
	MNL12-OD25MX-MSD-HW	25mm		4 output
	MNL12-OD75Y-MD	3/4"		2 output
OD Cut-Off Holder, Right hand				
	MNL12-CO10X	1"		
OD Cut-Off Holder				
	MNL12-CO12X	1.25"		
ID Cutting Holder				
	MNL12-ID15Z	3/4"		
	MNL12-ID20Z	1"		
Boring Bar Holder				
	MNL12-BG15Z	1.5"		
	MNL12-BG20Z	2"		
Boring Bar Holder Multiple Output				
	MNL12-BG12Z-MSD	1.25"		4 output
	MNL12-BG32MZ-MSD-HW	32mm		4 output
	MNL12-BG10Z-MST	1"		6 output
	MNL12-BG25MZ-MST-HW	25mm		6 output
	MNL12-BG12Z-MST-HW	1.25"		6 output
	MNL12-BG32MZ-MST-HW	32mm		6 output
	MNL12-BG10Z-MSQ-HW	1"		8 output
	MNL12-BG25MZ-MSQ-HW	25mm		8 output
	MNL12-BG12Z-MS	1.25"		2 output
Combination Holder				
	MNL12-CH15Z	1.5"		
Boring Bar Holder with Slot				
	MNL12-BGS20Z	2"		
	MNL12-BGS15Z	1.5"		
ER Collet Chuck Static Holder				
	MNL12-ER40Z-Static	ER40		
	MNL12-ER40Z-MS-Static	ER40		2 output
ID Capto Turning Tool				
	MNL12-CAPTO5Z-C-7MP	C5	IC	
	MNL12-CAPTO5Z-MS-C-7MP	C5	IC	2 output
OD Capto Turning Tool				
	MNL12-CAPTO5X-C-7MP	C5	IC	
	MNL12-CAPTO5X-MS-C-7MP	C5	IC	2 output

STANDARD (INCH)

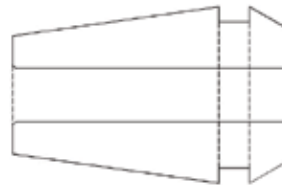
SIZE	ER16	ER20	ER25	ER32	ER40
1/32"	E16-002	-	-	-	-
1/16"	E16-004	E20-004	E25-004	-	-
3/32"	E16-006	E20-006	E25-006	-	-
1/8"	E16-008	E20-008	E25-008	E32-008	-
5/32"	E16-010	E20-010	E25-010	E32-010	E40-010
3/16"	E16-012	E20-012	E25-012	E32-012	E40-012
7/32"	E16-014	E20-014	E25-014	E32-014	E40-014
1/4"	E16-016	E20-016	E25-016	E32-016	E40-016
9/32"	E16-018	E20-018	E25-018	E32-018	E40-018
5/16"	E16-020	E20-020	E25-020	E32-020	E40-020
11/32"	E16-022	E20-022	E25-022	E32-022	E40-022
3/8"	E16-024	E20-024	E25-024	E32-024	E40-024
13/32"	E16-026	E20-026	E25-026	E32-026	E40-026
7/16"	-	E20-028	E25-028	E32-028	E40-028
15/32"	-	E20-030	E25-030	E32-030	E40-030
1/2"	-	E20-032	E25-032	E32-032	E40-032
17/32"	-	-	E25-034	E32-034	E40-034
9/16"	-	-	E25-036	E32-036	E40-036
19/32"	-	-	E25-038	E32-038	E40-038
5/8"	-	-	E25-040	E32-040	E40-040
21/32"	-	-	-	E32-042	E40-042
11/16"	-	-	-	E32-044	E40-044
23/32"	-	-	-	E32-046	E40-046
3/4"	-	-	-	E32-048	E40-048
25/32"	-	-	-	E32-050	E40-050
13/16"	-	-	-	-	E40-052
27/32"	-	-	-	-	E40-054
7/8"	-	-	-	-	E40-056
29/32"	-	-	-	-	E40-058
15/16"	-	-	-	-	E40-060
31/32"	-	-	-	-	E40-062
1"	-	-	-	-	E40-064

STANDARD (METRIC)

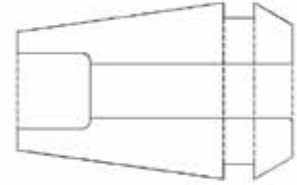
SIZE	ER16	ER20	ER25	ER32	ER40	ER 50
1.0mm	E16-039	-	-	-	-	-
1.5mm	E16-059	-	-	-	-	-
2.0mm	E16-078	E20-078	E25-078	-	-	-
3.0mm	E16-118	E20-118	E25-118	E32-118	-	-
3.5mm	E16-137	E20-137	E25-137	E32-137	-	-
4.0mm	E16-157	E20-157	E25-157	E32-157	E40-157	-
5.0mm	E16-196	E20-196	E25-196	E32-196	E40-196	-
6.0mm	E16-236	E20-236	E25-236	E32-236	E40-236	-
7.0mm	E16-275	E20-275	E25-275	E32-275	E40-275	-
8.0mm	E16-314	E20-314	E25-314	E32-314	E40-314	-
9.0mm	E16-354	E20-354	E25-354	E32-354	E40-354	-
10.0mm	E16-393	E20-393	E25-393	E32-393	E40-393	-
11.0mm	-	E20-433	E25-433	E32-433	E40-433	-
11.5mm	-	E20-452	E25-452	E32-452	E40-452	-
12.0mm	-	E20-472	E25-472	E32-472	E40-472	E50-1023
13.0mm	-	E20-511	E25-511	E32-511	E40-511	E50-1062
14.0mm	-	-	E25-551	E32-551	E40-551	E50-1102
15.0mm	-	-	E25-590	E32-590	E40-590	E50-1141
16.0mm	-	-	E25-629	E32-629	E40-629	E50-1181
17.0mm	-	-	-	E32-669	E40-669	E50-1220
18.0mm	-	-	-	E32-708	E40-708	E50-1259
19.0mm	-	-	-	E32-748	E40-748	E50-1299
19.5mm	-	-	-	E32-767	E40-767	E50-1338
20.0mm	-	-	-	E32-787	E40-787	E50-235
21.0mm	-	-	-	-	E40-826	E50-472
22.0mm	-	-	-	-	E40-866	E50-511
23.0mm	-	-	-	-	E40-905	E50-551
24.0mm	-	-	-	-	E40-944	E50-590
25.0mm	-	-	-	-	E40-984	E50-629
26.0mm	-	-	-	-	E40-1023	E50-669
27.0mm	-	-	-	-	-	E50-708
28.0mm	-	-	-	-	-	E50-748
29.0mm	-	-	-	-	-	E50-787
30.0mm	-	-	-	-	-	E50-826
31.0mm	-	-	-	-	-	E50-866
32.0mm	-	-	-	-	-	E50-905
33.0mm	-	-	-	-	-	E50-944
34.0mm	-	-	-	-	-	E50-984



ER Standard type collet



ER Counter-Bored type collet



Style	D	D1	L	Collet Range	Coolant Collet Size Range	Nut Tightening Torque	
						Standard collet	Counter-bored collet
ER16	17.2mm	11.3mm	27.0mm	0.5 - 10.0mm	4.0 - 10.0mm (3/16" - 17/64")	30 - 37 ft-lbs	18 - 22 ft-lbs
ER20	21.2mm	14.5mm	31.0mm	1.0 - 13.0mm	5.0 - 13.0mm (5/32" - 1/2")	60 - 74 ft-lbs	42 - 52 ft-lbs
ER25	26.2mm	18.5mm	35.0mm	1.0 - 16.0mm	6.0 - 16.0mm (7/32" - 5/8")	77 - 96 ft-lbs	54 - 67 ft-lbs
ER32	33.2mm	24.4mm	40.0mm	2.0 - 20.0mm	10.0 - 20.0mm (1/4" - 25/32")	100 - 125 ft-lbs	77 - 96 ft-lbs
ER40	41.2mm	31.2mm	46.0mm	3.0 - 26.0mm	10.0 - 26.0mm (1/4" - 1 1/32")	125 - 157 ft-lbs	130 - 162 ft-lbs
ER50	52mm	42mm	60mm	6-34mm	N/A	140-175 ft-lbs	N/A

ER Series Coolant Collets

COOLANT (INCH)

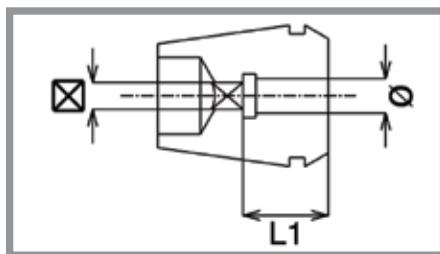
SIZE	ER16	ER20	ER25	ER32
3/32"	E16-006(C)	-	-	-
7/64"	E16-007(C)	-	-	-
1/8"	E16-008(C)	-	-	-
9/64"	E16-009(C)	-	-	-
5/32"	E16-010(C)	E20-010(C)	-	-
11/64"	E16-011(C)	E20-011(C)	-	-
3/16"	E16-012(C)	E20-012(C)	-	-
13/64"	E16-013(C)	E20-013(C)	-	-
7/32"	E16-014(C)	E20-014(C)	E25-014(C)	-
15/64"	E16-015(C)	E20-015(C)	E25-015(C)	-
1/4"	E16-016(C)	E20-016(C)	E25-016(C)	E32-016(C)
17/64"	E16-017(C)	E20-017(C)	E25-017(C)	E32-017(C)
9/32"	E16-018(C)	E20-018(C)	E25-018(C)	E32-018(C)
19/64"	E16-019(C)	E20-019(C)	E25-019(C)	E32-019(C)
5/16"	E16-020(C)	E20-020(C)	E25-020(C)	E32-020(C)
21/64"	E16-021(C)	E20-021(C)	E25-021(C)	E32-021(C)
11/32"	E16-022(C)	E20-022(C)	E25-022(C)	E32-022(C)
23/64"	E16-023(C)	E20-023(C)	E25-023(C)	E32-023(C)
3/8"	E16-024(C)	E20-024(C)	E25-024(C)	E32-024(C)
25/64"	E16-025(C)	E20-025(C)	E25-025(C)	E32-025(C)
13/32"	E16-026(C)	E20-026(C)	E25-026(C)	E32-026(C)
27/64"	-	E20-027(C)	E25-027(C)	E32-027(C)
7/16"	-	E20-028(C)	E25-028(C)	E32-028(C)
29/64"	-	E20-029(C)	E25-029(C)	E32-029(C)
15/32"	-	E20-030(C)	E25-030(C)	E32-030(C)
31/64"	-	E20-031(C)	E25-031(C)	E32-031(C)
1/2"	-	E20-032(C)	E25-032(C)	E32-032(C)
33/64"	-	-	E25-033(C)	E32-033(C)
17/32"	-	-	E25-034(C)	E32-034(C)
35/64"	-	-	E25-035(C)	E32-035(C)
9/16"	-	-	E25-036(C)	E32-036(C)
37/64"	-	-	E25-037(C)	E32-037(C)
19/32"	-	-	E25-038(C)	E32-038(C)
39/64"	-	-	E25-039(C)	E32-039(C)
5/8"	-	-	E25-040(C)	E32-040(C)
41/64"	-	-	-	E32-041(C)
21/32"	-	-	-	E32-042(C)
43/64"	-	-	-	E32-043(C)
11/16"	-	-	-	E32-044(C)
45/64"	-	-	-	E32-045(C)
23/32"	-	-	-	E32-046(C)
47/64"	-	-	-	E32-047(C)
3/4"	-	-	-	E32-048(C)
49/64"	-	-	-	E32-049(C)
25/32"	-	-	-	E32-050(C)

COOLANT (METRIC)

SIZE	ER16	ER20	ER25	ER32	ER40
4.0mm	E16-157(C)	-	-	-	-
4.5mm	E16-177(C)	-	-	-	-
5.0mm	E16-196(C)	E20-196(C)	-	-	-
5.5mm	E16-216(C)	E20-216(C)	-	-	-
6.0mm	E16-236(C)	E20-236(C)	E25-236(C)	-	-
6.5mm	E16-255(C)	E20-255(C)	E25-255(C)	-	-
7.0mm	E16-275(C)	E20-275(C)	E25-275(C)	-	-
7.5mm	E16-295(C)	E20-295(C)	E25-295(C)	-	-
8.0mm	E16-314(C)	E20-314(C)	E25-314(C)	-	-
8.5mm	E16-334(C)	E20-334(C)	E25-334(C)	-	-
9.0mm	E16-354(C)	E20-354(C)	E25-354(C)	-	-
9.5mm	E16-374(C)	E20-374(C)	E25-374(C)	-	-
10.0mm	E16-393(C)	E20-393(C)	E25-393(C)	E32-393(C)	E40-393(C)
10.5mm	-	E20-413(C)	E25-413(C)	E32-413(C)	E40-413(C)
11.0mm	-	E20-433(C)	E25-433(C)	E32-433(C)	E40-433(C)
11.5mm	-	E20-452(C)	E25-452(C)	E32-452(C)	E40-452(C)
12.0mm	-	E20-472(C)	E25-472(C)	E32-472(C)	E40-472(C)
12.5mm	-	E20-492(C)	E25-492(C)	E32-492(C)	E40-492(C)
13.0mm	-	E20-511(C)	E25-511(C)	E32-511(C)	E40-511(C)
13.5mm	-	-	E25-531(C)	E32-531(C)	E40-531(C)
14.0mm	-	-	E25-551(C)	E32-551(C)	E40-551(C)
14.5mm	-	-	E25-570(C)	E32-570(C)	E40-570(C)
15.0mm	-	-	E25-590(C)	E32-590(C)	E40-590(C)
15.5mm	-	-	E25-610(C)	E32-610(C)	E40-610(C)
16.0mm	-	-	E25-629(C)	E32-629(C)	E40-629(C)
16.5mm	-	-	-	E32-649(C)	E40-649(C)
17.0mm	-	-	-	E32-669(C)	E40-669(C)
17.5mm	-	-	-	E32-688(C)	E40-688(C)
18.0mm	-	-	-	E32-708(C)	E40-708(C)
18.5mm	-	-	-	E32-728(C)	E40-728(C)
19.0mm	-	-	-	E32-748(C)	E40-748(C)
19.5mm	-	-	-	E32-767(C)	E40-767(C)
20.0mm	-	-	-	E32-787(C)	E40-787(C)
20.5mm	-	-	-	-	E40-807(C)
21.0mm	-	-	-	-	E40-826(C)
21.5mm	-	-	-	-	E40-846(C)
22.0mm	-	-	-	-	E40-866(C)
22.5mm	-	-	-	-	E40-885(C)
23.0mm	-	-	-	-	E40-905(C)
23.5mm	-	-	-	-	E40-925(C)
24.0mm	-	-	-	-	E40-944(C)
24.5mm	-	-	-	-	E40-964(C)
25.0mm	-	-	-	-	E40-984(C)
25.5mm	-	-	-	-	E40-1003(C)
26.0mm	-	-	-	-	E40-1023(C)



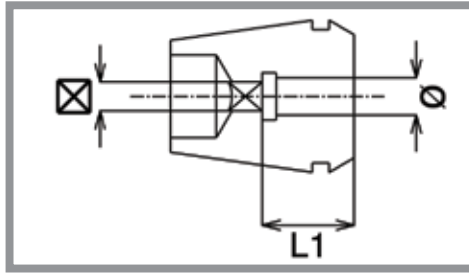
ER Series Tap Collets



ER Tap Collets feature a unique design that incorporates an internal square drive with our popular ER Series collets. The square drive matches the tap square, providing a tight fit for all rigid tapping applications.

PART NUMBER	TAP INCH SIZE	TAP METRIC SIZE	L1	Ø	⊠
ET16-168	#8, 5/32"	M4	15.0mm	0.168	0.131
ET16-194	#10, 3/16"	M4.5, M5	15.0mm	0.194	0.152
ET16-220	#12, 7/32"	-	15.0mm	0.220	0.165
ET16-255	#14, 1/4"	M6, M6.5	22.0mm	0.255	0.191
ET20-168	#8, 5/32"	M4	15.0mm	0.168	0.131
ET20-194	#10, 3/16"	M4.5, M5	15.0mm	0.194	0.152
ET20-220	#12, 7/32"	-	15.0mm	0.220	0.165
ET20-255	#14, 1/4"	M6, M6.5	20.0mm	0.255	0.191
ET20-318	5/16"	M7, M6.5	20.0mm	0.318	0.238
ET20-323	7/16"	-	20.0mm	0.323	0.242
ET20-367	1/2"	M12, M12.5	25.0mm	0.367	0.275
ET20-381	3/8"	M10	20.0mm	0.381	0.286
ET25-168	#8, 5/32"	M4	15.0mm	0.168	0.131
ET25-194	#10, 3/16"	M4.5, M5	15.0mm	0.194	0.152
ET25-220	#12, 7/32"	-	15.0mm	0.220	0.165
ET25-255	#14, 1/4"	M6, M6.5	20.0mm	0.255	0.191
ET25-318	5/16"	M7, M6.5	20.0mm	0.318	0.238
ET25-323	7/16"	-	20.0mm	0.323	0.242
ET25-367	1/2"	M12, M12.5	25.0mm	0.367	0.275
ET25-381	3/8"	M10	20.0mm	0.381	0.286
ET25-429	9/16"	M14	25.0mm	0.429	0.322
ET25-437	1/8" NPT(L)	-	18.0mm	0.437	0.328
ET25-480	5/8"	M16	25.0mm	0.480	0.360
ET32-168	#8, 5/32"	M4	15.0mm	0.168	0.131
ET32-194	#10, 3/16"	M4.5, M5	15.0mm	0.194	0.152
ET32-220	#12, 7/32"	-	15.0mm	0.220	0.165
ET32-255	#14, 1/4"	M6, M6.5	20.0mm	0.255	0.191
ET32-318	5/16"	M7, M6.5	20.0mm	0.318	0.238
ET32-323	7/16"	-	20.0mm	0.323	0.242
ET32-367	1/2"	M12, M12.5	25.0mm	0.367	0.275
ET32-381	3/8"	M10	20.0mm	0.381	0.286
ET32-429	9/16"	M14	25.0mm	0.429	0.322
ET32-437	1/8" NPT	-	18.0mm	0.437	0.328
ET32-480	5/8"	M16	25.0mm	0.480	0.360
ET32-542	11/16"	M18	30.0mm	0.542	0.406
ET32-562	1/4" NPT	-	18.0mm	0.562	0.421
ET32-590	3/4"	-	30.0mm	0.590	0.442
ET32-652	13/16"	M20	30.0mm	0.652	0.489
ET40-255	#14, 1/4"	M6, M6.5	25.0mm	0.255	0.191
ET40-318	5/16"	M7, M6.5	25.0mm	0.318	0.238
ET40-323	7/16"	-	25.0mm	0.323	0.242
ET40-367	1/2"	M12, M12.5	25.0mm	0.367	0.275
ET40-381	3/8"	M10	25.0mm	0.381	0.286
ET40-429	9/16"	M14	25.0mm	0.429	0.322
ET40-437	1/8" NPT	-	18.0mm	0.437	0.328
ET40-480	5/8"	M16	25.0mm	0.480	0.360
ET40-542	11/16"	M18	30.0mm	0.542	0.406
ET40-562	1/4" NPT	-	18.0mm	0.562	0.421
ET40-590	3/4"	-	30.0mm	0.590	0.442
ET40-652	13/16"	M20	30.0mm	0.652	0.489
ET40-687	1/2" NPT	-	18.0mm	0.687	0.515
ET40-697	7/8"	M22	30.0mm	0.697	0.523
ET40-700	3/8" NPT	-	18.0mm	0.70	0.531
ET40-760	15/16"	M24	35.0mm	0.76	0.570
ET40-800	1"	M25	35.0mm	0.80	0.600

ER Series Tap Coolant Collets



Lyndex-Nikken has now combined the versatility of our ER tapping collets with the popularity of our coolant collets to create our patented ER Coolant Tap Collets.

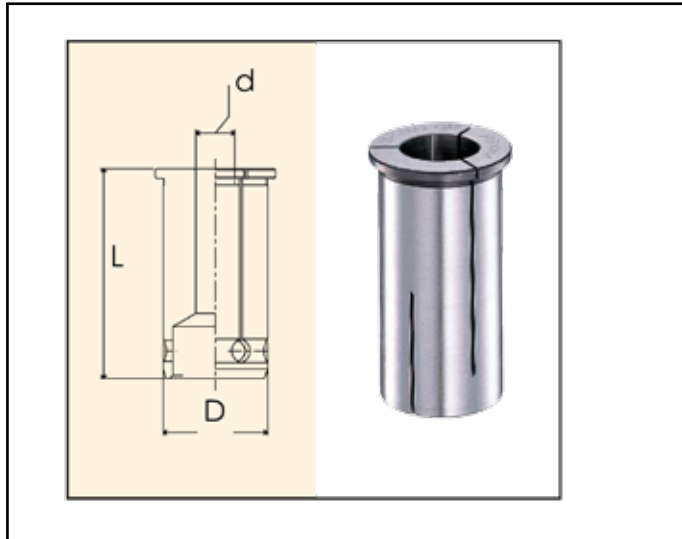
PART NUMBER	TAP INCH SIZE	TAP METRIC SIZE	L1	Ø	⊗
ET16-255(C)	#14, 1/4"	M6, M6.5	22.0mm	0.255	0.191
ET16-318(C)	5/16"	M7, M6.5	22.0mm	0.318	0.238
ET20-255(C)	#14, 1/4"	M6, M6.5	25.0mm	0.255	0.191
ET20-318(C)	5/16"	M7, M6.5	25.0mm	0.318	0.238
ET20-323(C)	7/16"	-	25.0mm	0.323	0.242
ET20-367(C)	1/2"	M12, M12.5	25.0mm	0.367	0.275
ET20-381(C)	3/8"	M10	25.0mm	0.381	0.286
ET25-255(C)	#14, 1/4"	M6, M6.5	25.0mm	0.255	0.191
ET25-318(C)	5/16"	M7, M6.5	25.0mm	0.318	0.238
ET25-323(C)	7/16"	-	25.0mm	0.323	0.242
ET25-367(C)	1/2"	M12, M12.5	27.0mm	0.367	0.275
ET25-381(C)	3/8"	M10	25.0mm	0.381	0.286
ET25-429(C)	9/16"	M14	30.0mm	0.429	0.322
ET25-480(C)	5/8"	M16	30.0mm	0.48	0.36
ET32-255(C)	#14, 1/4"	M6, M6.5	25.0mm	0.255	0.191
ET32-318(C)	5/16"	M7, M6.5	25.0mm	0.318	0.238
ET32-323(C)	7/16"	-	25.0mm	0.323	0.242
ET32-367(C)	1/2"	M12, M12.5	27.0mm	0.367	0.275
ET32-381(C)	3/8"	M10	25.0mm	0.381	0.286
ET32-429(C)	9/16"	M14	30.0mm	0.429	0.322
ET32-480(C)	5/8"	M16	30.0mm	0.48	0.36
ET32-542(C)	11/16"	M18	35.0mm	0.542	0.406
ET32-590(C)	3/4"	-	35.0mm	0.59	0.442
ET32-652(C)	13/16"	M20	35.0mm	0.652	0.489
ET40-323(C)	7/16"	-	25.0mm	0.323	0.242
ET40-367(C)	1/2"	M12, M12.5	27.0mm	0.367	0.275
ET40-381(C)	3/8"	M10	25.0mm	0.381	0.286
ET40-429(C)	9/16"	M14	30.0mm	0.429	0.322
ET40-480(C)	5/8"	M16	30.0mm	0.48	0.36
ET40-542(C)	11/16"	M18	35.0mm	0.542	0.406
ET40-590(C)	3/4"	-	35.0mm	0.59	0.442
ET40-652(C)	13/16"	M20	35.0mm	0.652	0.489
ET40-697(C)	7/8"	M22	38.0mm	0.697	0.523
ET40-760(C)	15/16"	M24	38.0mm	0.76	0.57
ET40-800(C)	1"	M25	40.0mm	0.8	0.6

Note: Seals up to maximum coolant pressure of 1000 PSI.

KM Collets and Torque Wrench

KM Collets

Collet Series	L	D	Collet Range
KM 25mm	2.32" (59mm)	1.14" (29mm)	1/8" - 7/8"
KM 32mm	2.53" (64.5mm)	1.45" (37mm)	3/16" - 1"



KM 25mm	
METRIC	
Size	Part #
3mm	KM25-3
4mm	KM25-4
5mm	KM25-5
6mm	KM25-6
7mm	KM25-7
8mm	KM25-8
9mm	KM25-9
10mm	KM25-10
11mm	KM25-11
12mm	KM25-12
13mm	KM25-13
14mm	KM25-14
15mm	KM25-15
16mm	KM25-16
17mm	KM25-17
18mm	KM25-18
19mm	KM25-19
20mm	KM25-20
21mm	KM25-21
22mm	KM25-22

KM 32mm			
INCH		METRIC	
Size	Part #	Size	Part #
3/16"	KM32-3/16	6mm	KM32-6
1/4"	KM32-1/4	8mm	KM32-8
5/16"	KM32-5/16	10mm	KM32-10
3/8"	KM32-3/8	12mm	KM32-12
7/16"	KM32-7/16	14mm	KM32-14
1/2"	KM32-1/2	16mm	KM32-16
9/16"	KM32-9/16	20mm	KM32-20
5/8"	KM32-5/8	25mm	KM32-15
3/4"	KM32-3/4	26mm	KM32-16
7/8"	KM32-7/8		
1"	KM32-1		

Torque Wrench

The TQW Torque Wrench is very accurate and easy-to-use, guaranteeing maximum accuracy and preventing tool over-tightening or breakage.



- Variable torque adjustable wrench
- Robust and durable
- Ergonomic grip
- Easy to read inch and metric scale
- Strong steel shaft is highly corrosion resistant
- Easy to set up and operation:
 - A. Set wrench to desired torque setting
 - B. Insert attachment
 - C. Torque down on collet nut until it clicks in place



A wide selection of attachments are available: ER, SK, TG, Pull Stud, Milling Chuck, Capto

Design and Construction



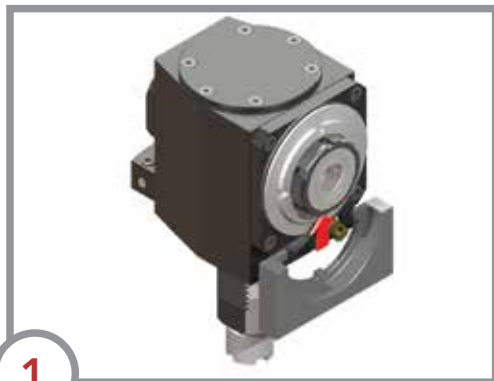
A "Push-Button Locking Device" securely locks the preset torque and prevents inadvertent adjustment.



Handle is shaped to provide a firm and ergonomic grip.

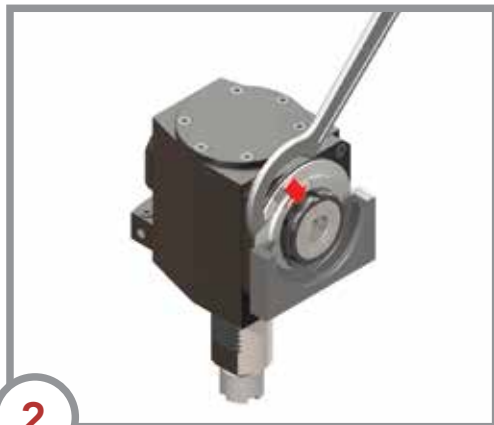
Collet Number	Part Number	Attachments (Type and Size)			Torque Range		Torque Wrench	
		Description	mm	Inch	lbs	Nm	Part Number	Description
ER32	TQW-ER32(50)	Hook	50 [+/-5mm]	1.96	100	136	TQW-150	14X18, 150ft.lbs
ER40	TQW-ER40(63)		63 [+/-5mm]	2.48	125	169		
Milling Chuck - 3/4"	TQW-C3/4(50)	Hook	50 [+/-5mm]	1.96	19 to 24	26-32	TQW-150	14X18, 150ft.lbs
Milling Chuck - 25mm	TQW-C1(60)		60 [+/-5mm]	2.36	27 to 31	36-42		
Milling Chuck - 1.1/4"	TQW-C1.1/4(72)		72 [+/-5mm]	2.83	48 to 59	65-80		
CAPTO C6	TQW-CAPTO5(12)	Hex	12	0.47	52	70	TQW-150	14X18,150ft.lbs

Wrench Instructions



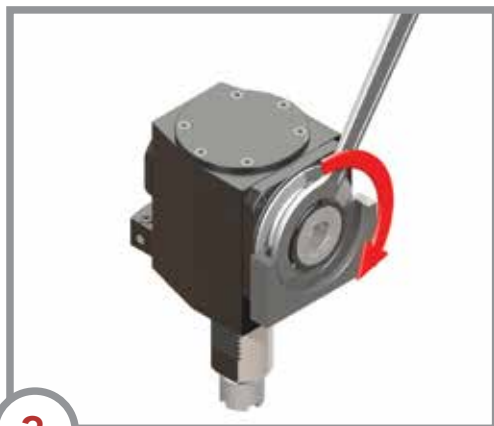
1

Insert setting fixture behind collet nut.



2

After securing the setting fixture in position, apply spanner wrench onto collet nut.



3

While holding the setting wrench, turn the spanner wrench clockwise to tighten.

Service and Support

Lyndex-Nikken is dedicated to providing not only the highest quality of equipment, but also the highest quality of service and customer care. With over 60 years of experience, our service engineers are looking forward to supporting your needs beyond your expectations.

We fully stock all internal components to provide an expedited and cost-effective maintenance program and rebuild package for your live tooling. Managing a maintenance schedule for all your machine tool accessory components can be challenging, so we'll be glad to remind you when the time comes.

Warranty:

1 year warranty for internal components

2 year manufacturer warranty on external body

For any service request or inquiry, please contact our service department: **(847) 367-4800**





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CAT2013-MORI-NLX4000