



Tooljaw®

Lyndex-Nikken ToolJaws are machinists' favorite tooling setup fixtures because they are so handy and practical. You'll gain immediate access to both the working end and the taper end and your toolholder will be secured by a viset-tight grip.

Easy to use, just place or mount your Tooljaw® in a convenient spot and slip a holder into its cradle. Raise the flange lock and secure it with an easy-to-grip thumb screw.

Tooljaw® provides maximum toolholder accessibility with minimum handling. Less handling means fewer chances of costly toolholders being dropped or damaged. Save the time and the hassles of using yesterday's toolholder loading and unloading techniques, and save the money you would spend on replacing damaged toolholders.



Features

- Access both ends of your toolholders simultaneously
- Minimize toolholder handling
- Speed up your setup
- Convenient and practical
- Easy to use

Description	Tooljaw® Clamps	Replacement Keys	Replacement Jaws
	Part Number	Part Number	Part Number
BT30 Taper TOOLJAW	B30-TOOLJAW	B30-KEY	B30-JAW
BT35 Taper TOOLJAW	B35-TOOLJAW	B35-KEY	B35-JAW
CT40 Taper TOOLJAW	C40-TOOLJAW	C40-KEY	C40-JAW
CT50 Taper TOOLJAW	C50-TOOLJAW	C50-KEY	C50-JAW
HSK63A TOOLJAW	HSK63A-TOOLJAW	HSK63A-KEY	HSK63A-JAW

Nikken Tool Clamper, Tightening Fixtures, & ATC Alignment Kit

Nikken Tool clamper is designed for symmetrical holders without drive key slots or U-groove. By changing the clamper head to the suitable size, the same base can be used for the other taper sizes.

Clamp/Neutral/Unclamp



TCL-40GH

Clamper Head TCL...HD



NIKKEN TOOL CLAMPER FOR HSK TOOLING

Taper	Tool Clamper Complete Unit	Base Part Number	Head Part Number
HSK32E	TCL-32GH	TCL-BD	TCL-32HD
HSK40A, 40E	TCL-40GH		TCL-40HD
HSK50A, 50E	TCL-50GH		TCL-50HD
HSK63A, 63E, 63F	TCL-63GH		TCL-63HD
HSK100A	TCL-100GH		TCL-100HD



Clamper Base TCL-BD

TIGHTENING FIXTURES

Part Number	Taper	Length	Diameter
40-LCFX	40	4.27"	2.76"
50-LCFX	50	6.20"	3.94"



ATC ALIGNMENT KIT

The Automatic Tool Changer (ATC) allows for service on your machine to check alignment of the ATC arm with the spindle and magazine. One taper adapter can be used with multiple flange adapters. For example: the 40 taper adapter can accommodate both CT40 and BT40 flange adapters.

Part Number	Taper
ATC-ALIGN-BT40	#40
ATC-ALIGN-BT50	#50
ATC-ALIGN-CAT40	CAT40
ATC-ALIGN-CAT50	CAT50
ATC-ALIGN-HSK63A	HSK63A
ATC-ALIGN-HSK100A	HSK100A

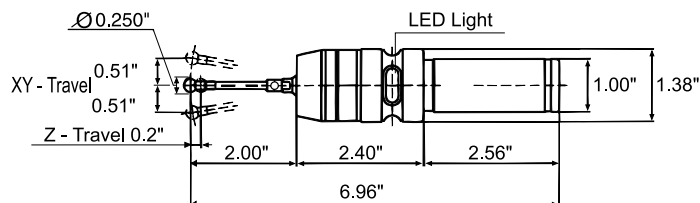


The ATC Alignment Kit consists of:

- taper adapter
- flange adapter
- centering pin

PointFinder™

Locate the precise relative positioning of the workpiece to the spindle



PointFinder™ is an all-in-one replacement for primary axis setters, calipers, and depth and centering gauges. Not only is it quick and easy to use, its accuracy is beyond compare.

Simply load it into a toolholder and mount it into the machine's spindle. Gauge length pre-setting is unnecessary for X- or Y-axis coordinate determination. Move PointFinder slowly along either the X- or Y-axis toward the workpiece. Its bright LED flashes at the exact point where its 1/4" diameter probe touches the workpiece's surface. That point is exactly 1/8" away from spindle center. Z-axis coordinate determination requires pre-setting, and the point of probe contact marks the exact Z-axis coordinate.

With the workpiece locked into position, your other measurements are performed with the same ease and speed.

Features

- **Advanced conductive detection system**

Instant LED response
Direct action—no relays
Works with all metals
Unaffected by cutting oil

- **Precise**

Position detection accuracy: $\pm 0.0008"$
Stylus recovery accuracy: $\pm 0.0008"$
Stylus to shank concentricity: $\pm 0.0004"$

- **Overrun protected**

X-axis and Y-axis: 0.400"
Z-axis: 0.200"

- **Versatile design**

Convenient 1" straight shank configuration
Projects 4.40" from holder when fully loaded

- **Hardened, precision ground steel construction**

- **Easy to use**

Measure without calipers
Set depths, find centers without gauges
Position your workpiece without primary axis setters

- **Time Saver**

Turn expensive setup time into profit-making production time

Part Number	Description
PF-2	PointFinder™ with 2" Stylus
PF-STYLUS-2	Replacement Stylus for PointFinder™ PF-2

ZeroSetter™

ZeroSetter™

Quick, simple, precise Z-axis off setting

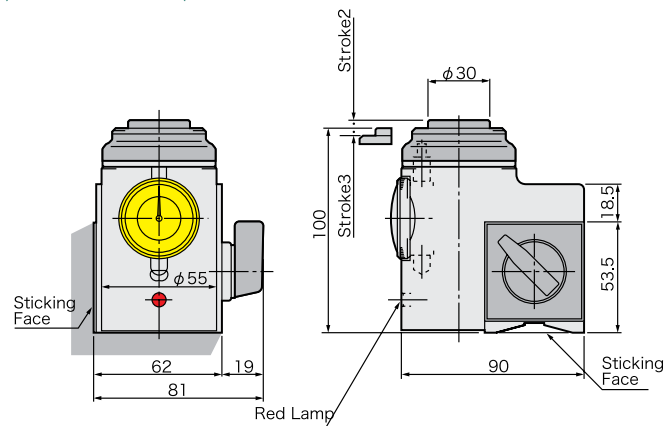
ZeroSetter™ assures fast reliable results every time you off-set your Z-axis. Your setup time will be reduced, so you'll gain valuable production time. Made of hardened tool steel, each setter is meticulously ground for top precision. ZeroSetter establishes an absolute gauge length of 4" or 6" that serves as your primary reference point. Its dial indicator is graduated in thousandths (0.001").

Part Number	Description
ZERO-SET4	4" Gauge Length ZeroSetter™
HP-4	4" Gauge Length Height Presetter
HP-6	6" Gauge Length Height Presetter



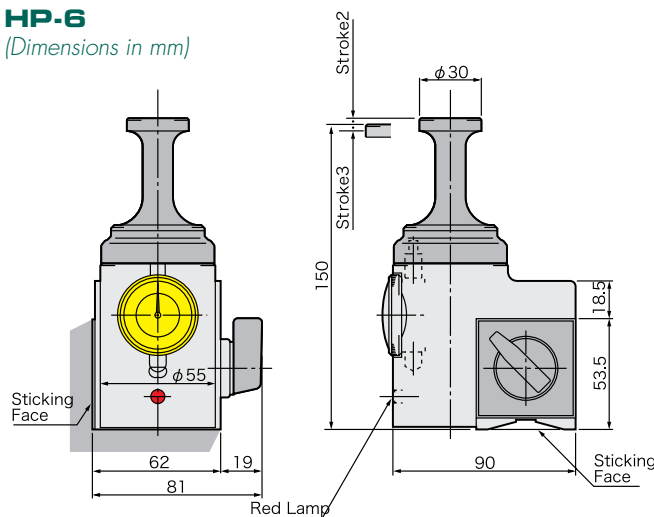
HP-4

(Dimensions in mm)



HP-6

(Dimensions in mm)



Spindle Wipes



These handy wipes quick-clean your spindles, assuring that your toolholder tapers make continuous positive contact with them for repeatable on-center performance. They're also perfect for cleaning the bores of your collet chucks.

For Machine Spindles

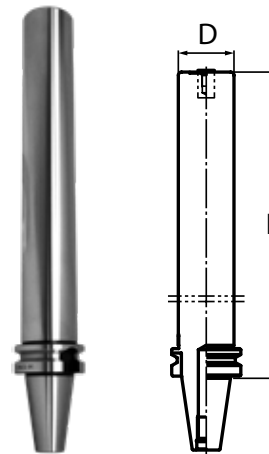
Part Number	Description
W30	30-Taper Spindle Clean equipped with cleaning blades
30-ST	W30 Standard cleaning blade set
30-VR	W30 Varnish removing blade set
30-EP	W30 Polishing blade set
W35	35-Taper Spindle Clean equipped with cleaning blades
35-ST	W35 Standard cleaning blade set
35-VR	W35 Varnish removing blade set
35-EP	W35 Polishing blade set
W40	40-Taper Spindle Clean equipped with cleaning blades
40-ST	W40 Standard cleaning blade set
40-VR	W40 Varnish removing blade set
40-EP	W40 Polishing blade set
W50	50-Taper Spindle Clean equipped with cleaning blades
50-ST	W50 Standard cleaning blade set
50-VR	W50 Varnish removing blade set
50-EP	W50 Polishing blade set

Test Bars

- Precision ground
- Maximum T.I.R. of 0.0002"
- Excellent for gauging spindle runout

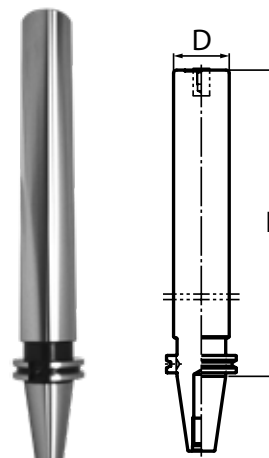
BT30

Part Number	Taper	L	D
B30-TESTBAR-8.0	BT30	8.00"	1.50"



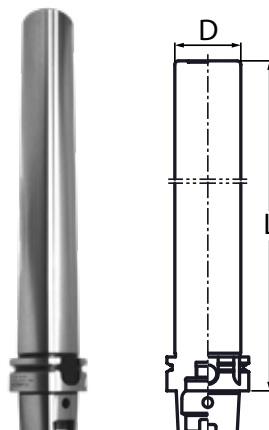
CAT40/50

Part Number	Taper	L	D
C40-TESTBAR-14.0	CT40	14.00"	2.00"
C50-TESTBAR-14.0	CT50	14.00"	2.00"



HSK63A/100A

Part Number	Taper	L	D
HSK63A-TESTBAR-14.0	HSK63A	14.00"	2.00"
HSK100A-TESTBAR-14.0	HSK100A	14.00"	2.00"



Momimen Carbide Indexable Chamfering & Center-Drilling Tools

Achieve super long life and ultra fast cutting performance



Momimen SC1630C



Momimen SC1645C



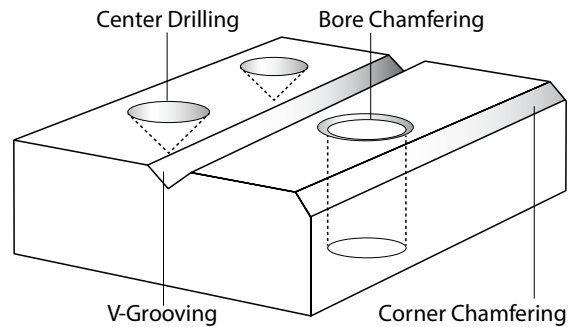
Momimen SC1660D (insert not included)

Features

- Our CNC multi-purpose tool's patented inserts are specifically designed to eliminate the problems of chipping at the center point associated with conventional center drills
- Our unique toolholding system assures high accuracy and saves time when replacing inserts
- Our single blade system eliminates cutting vibration
- Momimen is durable (even for high speed cutting) which greatly improves productivity
- Momimen enables centering and chamfering work to be done on the same center

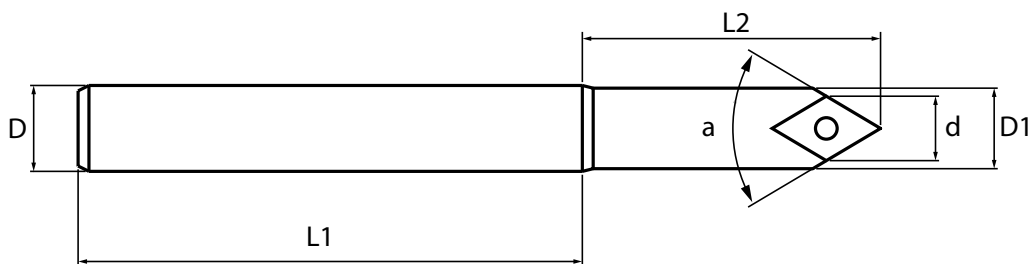
Applications

- Center Drilling
- Corner Chamfering
- Bore Chamfering
- V-Groove Cutting



Momimen Carbide Indexable Chamfering & Center-Drilling Tools

Indexable carbide tools for chamfering, center-drilling and v-grooving with one tool



Momimen Chamfer/Center Drill

Part Number	L1	L2	D	d	a	D1	Insert Nose Radius (mm)
SC1630C	3.27"	1.23"	5/8"	.625"	118°	.650"	0.6
SC1645C	3.35"	1.15"	5/8"	.500"	90°	.551"	0.6
SC1660D*	3.75"	2.05"	5/8"	.472"	60°	.472"	0.4

*Insert for SC1660D not included.

Inserts

Part Number	Grade	Application
C32GUX-NK1010	NK1010	Aluminum Cast Iron (Momimen 1630 and 1645)
C32GUX-NK2020	NK2020	Steel (Momimen 1630 and 1645)
D43GUX-NK1010	NK1010	Aluminum Cast Iron (Momimen 1660)
D43GUX-NK5050	NK5050	Steel (Momimen 1660)

Note: Insert package quantity is 12 pieces.

Recommended Speeds & Feeds

Materials	For Center Drilling & V-Grooving			For Chamfer Milling (down cut)		
	RPM	IPM	Grade	RPM	IPM	Grade
Mild Steels	3000	3.2	NK2020	3000	8	NK2020
Stainless Steels	2000	2	NK2020	2500	6	NK2020
Die Steels	3000	2	NK2020	3000	6	NK2020
Cast Iron	3200	8	NK1010	3000	8	NK1010
Aluminum	4000	6	NK1010	4000	12	NK1010

Chibimomi Carbide Indexable Chamfering & Center-Drilling Tools

Achieve super long life and ultra fast cutting performance



Chibimomi SCM1045C



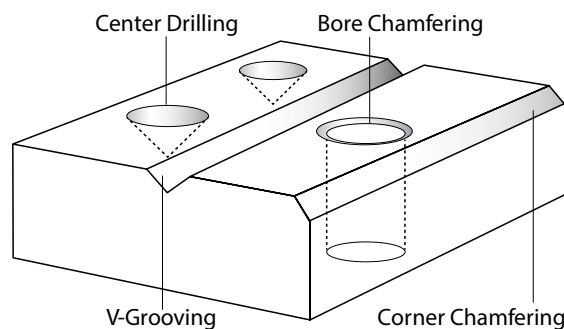
Chibimomi SCM1045CL

Features

- 3/8" shank and 5/16" lip assure highly accurate machining in narrow and limited space points.
- Our patented insert eliminates cutting vibration and cracking.
- Our patented insert assures problem-free secondary deburring.
- Save time when replacing inserts because no tool compensation is needed.
- Number of toolholders in the ATC can be reduced because this can be used for multiple applications such as: spot drilling, countersinking and chamfering, bore chamfering, edge chamfering, and v-grooving.
- Greatly improves productivity due to high-speed cutting.

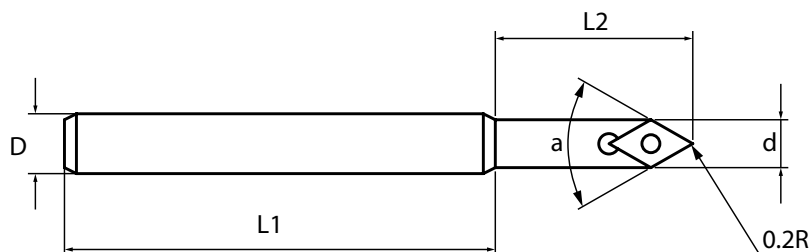
Applications

- Center Drilling
- Corner Chamfering
- Bore Chamfering
- V-Groove Cutting



Chibimomi Carbide Indexable Chamfering & Center-Drilling Tools

Indexable carbide tools for chamfering, center-drilling and v-grooving with one tool



Chibimomi Chamfer/Center Drill

Part Number	L1	L2	D	d	a
SCM1045C	2.68"	1.37"	.393"	.315"	90°
SCM1045CL	5.14"	1.37"	3/8"	.315"	90°

Inserts

Part Number	Grade	Application
C22GUX-NK5050	NK5050	Steel

Note: Insert package quantity: 12 pieces.

Recommended Speeds & Feeds

Materials	For Center Drilling & V-Grooving			For Chamfer Milling (down cut)		
	RPM	IPM	Grade	RPM	IPM	Grade
Mild Steels	3000	2	NK5050	3500	19	NK5050
Stainless Steels	2800	2	NK5050	3000	13	NK5050
Aluminum	4000	4	NK1010	5000	39	NK1010

TQW Torque Wrench



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

Features

- 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 operate:
 1. Set wrench to desired torque setting
 2. Insert attachment
 3. 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 Lock & Unlock collar securely locks the preset torque and prevents inadvertent adjustment.



Handle is shaped to provide a firm and ergonomic grip.

Type	Part Number	Attachments (Type and Size)			Torque Range		Torque Wrench	
		Description	mm	inch	lbs.	N.m	Part Number	Description
ER8	TQW-ER8NA	Fork	11	0.43	4	6	TQW-025	14x18, 25 ft.lbs
ER11	TQW-ER11(17)	Hex/OE	17	0.67	11	15		
ER11	TQW-ER11NA		15	0.59	11	15		
ER16	TQW-ER16/SK13(32)	Hook	32 [+/-5mm]	1.25	40 (SK = 22-48)	54 (SK: 30 - 65 N.m)	TQW-150	14x18, 150 ft.lbs
ER20	TQW-ER20(32)		32 [+/-5mm]	1.25	45	61		
ER25	TQW-ER25(43)		43 [+/-5mm]	1.69	70	95		
ER32	TQW-ER32/SK20(50)		50 [+/-5mm]	1.96	95 (SK = 45-63)	129 (SK = 60-85)		
ER40	TQW-ER40(63)		63 [+/-5mm]	2.48	115	156		
SK6 High Speed	TQW-GH06	High Speed Nut Wrench	19.5	0.768	7-22	10-30	TQW-025	14x18, 25 ft.lbs
SK10 High Speed	TQW-GH10		27.5	1.083	15-40	20-55	TQW-150	14x18, 150 ft.lbs
SK16 High Speed	TQW-GH16		40	1.575	29-55	40-75		
SK20 High Speed	TQW-GH20		48.5	1.909	45-63	60-85		
SK25 High Speed	TQW-GH25		55	2.165	45-63	60-85	TQW-025	14x18, 25 ft.lbs
C1.1/4 High Speed	TQW-GH32	68	2.677	N/A				
SK6	TQW-SK06(18)	Hook/OE	18	0.71	7-22	10-30	TQW-025	14x18, 25 ft.lbs
SK10	TQW-SK10(11)		25.4	1.00	15-40	20-55	TQW-150	14x18, 150 ft.lbs
SK16	TQW-SK16(43)	Hook	43 [+/-5mm]	1.69	29-55	40-75		
SK25	TQW-SK25(60)		60 [+/-5mm]	2.36	45-63	60-85	TQW-150	14x18, 150 ft.lbs
TG75	TQW-TG075(50)	Hook	50 [+/-5mm]	1.96	55	75		
TG100	TQW-TG100(63)		63 [+/-5mm]	2.48	75	102		
TG150	TQW-TG150(82)		82 [+/-5mm]	3.22	100	136		
Pull Stud - 13mm	TQW-PS(13)	Hex/OE	13	0.51	30 ~ 40	40 to 54	TQW-025	14x18, 25 ft.lbs
Pull Stud - 3/4" (19mm)	TQW-PS(19)		19	0.75	65 ~ 85	88 to 115	TQW-150	14x18, 150 ft.lbs
Pull Stud - 30mm	TQW-PS(30)		30	1.18	85 ~ 110	115 to 150		
Pull Stud - 1.1/4"	TQW-PS(32)		31.75	1.25	85 ~ 110	115 to 150		