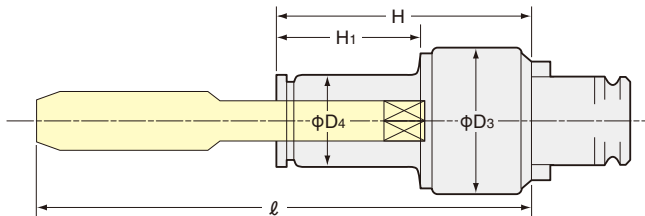


# ONE TOUCH TAP COLLET (JIS)



## ZKG Tap Collet

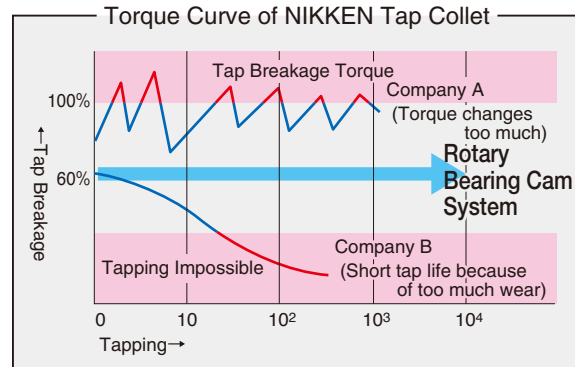


**D<sub>3</sub> Dimension**  
**ZKG12:32mm**  
**ZKG16:39mm**  
**ZKG24:46mm**

■ **High Accuracy, Quick Response and Long Tap Life.**  
 NIKKEN ZKG Tap Collet can be used with all of NIKKEN floating Tapper Chucks.

■ **Rotary Bearing Cam Mechanism**

The ZKG tap collet can respond very smoothly for the change of the tapping torque.



■ The torque of CCW is 1.4 times of the torque of CW to prevent the problem of the swarf.

■ The tap can be clamped with one touch operation.

■ The adjustment mechanism of the setting torque is not installed on the ZKG tap collet. The high torque setting type is available for the tapping on the stainless as an option. e.g ZKG12-4-HT

The ZKG tap collet is not interchangeable with ZKN tap collet.

	ZKG12					ZKG16					ZKG24				
	Code.No	D <sub>4</sub>	H	H <sub>1</sub>	ℓ	Code.No	D <sub>4</sub>	H	H <sub>1</sub>	ℓ	Code.No	D <sub>4</sub>	H	H <sub>1</sub>	ℓ
Metric (M)	ZKG12- 2	13	54.5	30.5	72	ZKG16- 3	13	64.5	37.5	85.5	ZKG24- 8	19	73	45	111
	- 3				75	- 4				90.5	-10				116
	- 4				80	- 5				98.5	-12				122
	- 5				88	- 6				100.5	-14				123
	- 6	19	55	31	90	- 8	19	65	38	104	-16	26	74	48	128
	- 8				94	-10				109	-18				128
	-10				99	-12				115	-20				136
	-12				105	-14				116	-22				141
						-16	26	66	42	121	-24	32			144
	Unified (U) or British Standard Whitworth (W)	ZKG12-1/8	13	54.5	30.5	75	ZKG16-1/8	13	64.5	37.5	85.5	ZKG24-1/2	19	73	45
-3/16		88				-3/16	98.5				-9/16	125			
-1/4		90				-1/4	100.5				-5/8	129			
-5/16		93.5				-5/16	104				-3/4	137			
-3/8		19	55	31	99	-3/8	19	65	38	109	-7/8	32	74	48	141
-7/16					103	-7/16				113	-1				149
-1/2					107	-1/2				117					
						-9/16	26	66	42	118					
						-5/8				122					
Pipe (PT) (PS) (PF)	ZKG12-1/8P	19	56	32	83	ZKG16-1/8P	19	66.5	39	93	ZKG24-1/4P	26	75	49	104
	-1/4P				89	-1/4P				97	-3/8P				105
	-1/16P	19	56	32	81.5	-3/8P	26	68.5	44	98	-1/2P	32			114
	-1/16P-Y	19	56	32	81.5						-5/8P				115

★ Tap for pipe thread is clamped with the side lock screw.

★ High torque setting type example for stainless steel is available. Please add "-HT" at the end of Code No. e.g. ZKG12-4-HT

★ Low torque setting is "-LT". e.g. ZKG12-4-LT

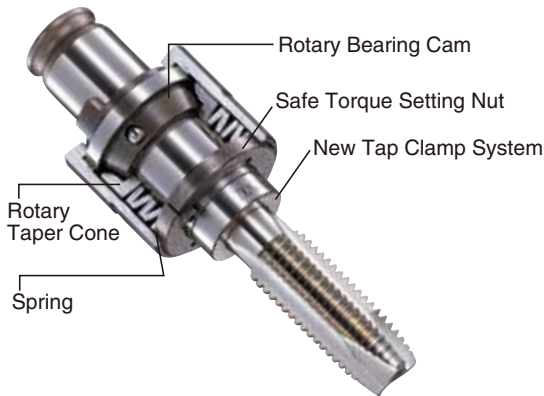
★ The shank dimension of the 1/16P tap varies depending on the tap maker.

★ The internal mechanism of the tap collet for the left handed tap is different from the standard one. Please use the special tap collet for the left handed tap.

# ZKN TAP COLLET (JIS)



## ZKN Tap Collet



- High Accuracy, Quick Response and Long Tap Life.
- Rotary Bearing Cam Mechanism  
NIKKEN ZKG Tap Collet can be used with the all NIKKEN floating Tapper Chucks.
- The torque of CCW is 1.4 times of the torque of CW to prevent the problem of the swarf.
- The setting torque can be adjusted.

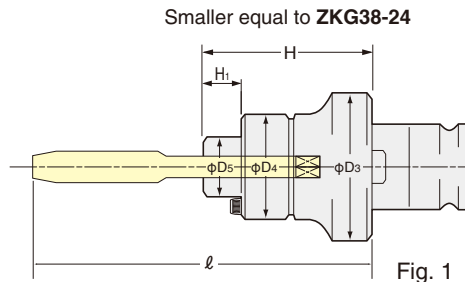


Fig. 1

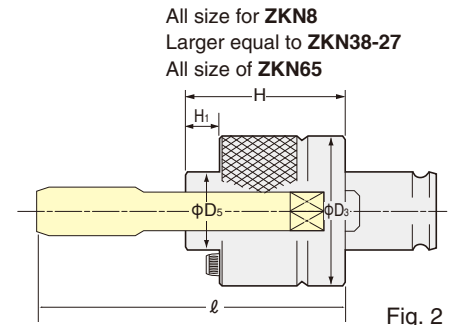


Fig. 2

**ZKN65** : The tap collet for the unified thread is also available. (U,W)  
 1<sup>3</sup>/<sub>8</sub>, 1<sup>1</sup>/<sub>2</sub>, 1<sup>5</sup>/<sub>8</sub>, 1<sup>3</sup>/<sub>4</sub>, 1<sup>7</sup>/<sub>8</sub>, 2, 2<sup>1</sup>/<sub>4</sub>,  
 2<sup>1</sup>/<sub>2</sub>, 2<sup>3</sup>/<sub>4</sub>, 3, 3<sup>1</sup>/<sub>4</sub>, 3<sup>1</sup>/<sub>2</sub>, 3<sup>3</sup>/<sub>4</sub>

	ZKN8	ZKN38		ZKN65	
		M18~24	M27~36	M36~65	M68~100
D <sub>3</sub>	23	78		110	125
D <sub>4</sub>	—	56	—	—	—

ZKN8 is semi-standard.

	ZKN 8					ZKN38					ZKN65				
	Code.No	D <sub>5</sub>	H	H <sub>1</sub>	ℓ	Code.No	D <sub>5</sub>	H	H <sub>1</sub>	ℓ	Code.No	D <sub>5</sub>	H	H <sub>1</sub>	ℓ
Metric (M)	ZKN 8-2	13	29.5	6.5	50	ZKN38-18	32	61	17	117	ZKN65- 36	68	89	20	179
	-3				55	-20				121	- 39				187
	-4				56	-22				130	- 42				189
	-5				64	-24				133	- 45				194
	-6				66	-27				142	- 48				198
	-8				73	-30				145	- 52				205
						-33				153	- 56				212
						-36				161	- 60				222
						-38				121	- 64				229
											- 65				229
				- 68	254										
Unified (U) or British Standard Whitworth (W)	ZKN 8-1/8	13	29.5	6.5	55	ZKN38-3/4	32	61	17	122	- 72	84	94	25	254
	-3/16				64	-7/8				130	- 80				264
	-1/4				66	-1				138	-100*				274
						-11/8				145	ZKN65-1P				127
						-11/4				153	-11/8P				135
						-13/8				161	-11/4P				139
											-13/8P				144
											-11/2P				144
											-15/8P				144
											-13/4P				144
Pipe (PT) (PS) (PF)					ZKN38 -3/8P	26	61	17	24	91	-13/4P	84	94	25	144
					-1/2P	32			100	-2P	149				
					-5/8P	32			104	-21/4P	159				
					-3/4P	45			103	-21/2P	174				
					-7/8P	45			106	-23/4P	174				
					-1P	45			109	-3P	174				

★\*mark: The Code No. of tap collet for M85 to M90 is ZKN65-100.

The Code No. of tap collet for M95 to M100 is ZKN65-100N.

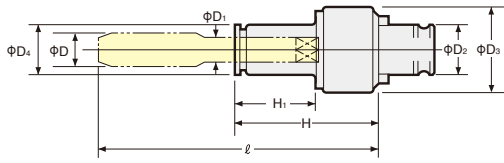
★The internal mechanism of the tap collet for the left handed tap is different from the standard one.

Please use the special tap collet for the left handed tap.

# ONE TOUCH TAP COLLET (ISO, DIN)



## ZKG



Tapping Capacity	ZKG12		ZKG16			ZKG24		
	M2~5	M6~12	M3~5	M6~12	M14~20	M8~12	M14~20	M22~24
D <sub>2</sub>	19		25			30		
D <sub>3</sub>	32		39			46		
D <sub>4</sub>	13	19	13	19	26	19	26	32
H	54.5	55	64.5	65	66	73	74	
H <sub>1</sub>	30.5	31	37.5	38	42	45	48	

TAP SPEC.	ZKG12					ZKG16					ZKG24				
	Code No.	D	D <sub>1</sub>	W	$\ell$	Code No.	D	D <sub>1</sub>	W	$\ell$	Code No.	D	D <sub>1</sub>	W	$\ell$
ISO Metric	ZKG12-2S	2	2.5	2	74	ZKG16-4S	4	4	3.15	93	ZKG24-12S	12	9	7.1	129
	-3S	3	3.15	2.5	79	-5S	5	5	4	97	-14S	14	11.2	9	130
	-4S	4	4	3.15	83	-6S	6	6.3	5	102	-16S	16	12.5	10	136
	-5S	5	5	4	87	-8S	8	8	6.3	106	-18S	18	14	11.2	145
	-6S	6	6.3	5	92	-10S	10	10	8	113	-20S	20	14	11.2	145
	-8S	8	8	6.3	96	-12S	12	9	7.1	121	-22S	22	16	12.5	145
	-10S	10	10	8	103	-14S	14	11.2	9	122	-24S	24	18	14	155
	-12S	12	9	7.1	111	-16S	16	12.5	10	128					
ISO Pipe	ZKG12-1/8PS	9.728	8	6.3	87	ZKG16-1/8PS	9.728	8	6.3	97.5	ZKG24-1/4PS	13.157	10	8	110
						-1/4PS	13.157	10	8	103.5	3/8PS	16.662	12.5	10	116
						-3/8PS	16.662	12.5	10	109.5	-1/2PS	20.955	16	12.5	122
											-5/8PS	22.911	18	14	124
DIN Metric	ZKG12-2D(DIN352)	2	2.8	2.1	72	ZKG16-4D(DIN371)	4	4.5	3.4	102	ZKG24-12D(DIN376)	12	9	7	150
	-3D(DIN371)	3	3.5	2.7	85	-5D(DIN371)	5	6	4.9	107	-14D(DIN376)	14	11	9	145
	-4D(DIN371)	4	4.5	3.4	92	-6D(DIN371)	6	6	4.9	117	-16D(DIN376)	16	12	9	145
	-5D(DIN371)	5	6	4.9	97	-8D(DIN376)	8	6	4.9	127	-18D(DIN376)	18	14	11	158
	-6D(DIN371)	6	6	4.9	107	-8D7(DIN371)	8	8	6.2	123	-20D(DIN376)	20	16	12	168
	-8D(DIN376)	8	6	4.9	117	-10D(DIN376)	10	7	5.5	134	-22D(DIN376)	22	18	14.5	166
	-8D7(DIN371)	8	8	6.2	113	-10D7(DIN371)	10	10	8	131	-24D(DIN376)	24	18	14.5	186
	-10D(DIN376)	10	7	5.5	124	-12D(DIN376)	12	9	7	142					
	-10D7(DIN371)	10	10	8	121	-14D(DIN376)	14	11	9	137					
	-12D(DIN376)	12	9	7	132	-16D(DIN376)	16	12	9	137					
DIN Pipe	ZKG12-1/8R(DIN353)	9.728	7	5.5	92	ZKG16-1/8R(DIN353)	9.728	7	5.5	102.5	ZKG24-1/4R(DIN353)	13.157	11	9	105
						-1/4R(DIN353)	13.157	11	9	98.5	-3/8R(DIN353)	16.662	12	9	112
						-3/8R(DIN353)	16.662	12	9	105.5	-1/2R(DIN353)	20.955	16	12	116

★ Tap for pipe thread is clamped with the side lock screw.

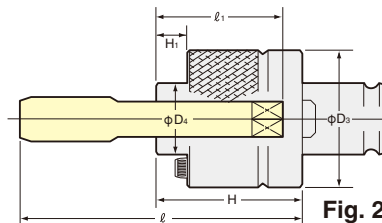
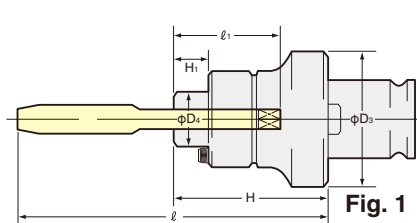
★ High torque setting type example for stainless steel is available. Please add "-HT" at the end of Code No. e.g. ZKG12-3S-HT

★ Low torque setting is "-LT". e.g. ZKG12-3S-LT

# ZK TAP COLLET (ISO, DIN)



## ZK



	ZK8	ZK38	ZK65
D <sub>4</sub>	13	45	68
D <sub>3</sub>	23	78	110
H <sub>1</sub>	6.5	12	13
H	29.5	64	89

Total length " $\ell$ " is calculated as;  $\ell = \text{Tap length} - \ell_1 + H$

ZK8 type is semi-standard.

TAP SPEC.	ZK 8					ZK38					ZK65				
	Code No.	D	D <sub>1</sub>	W	$\ell_1$	Code No.	D	D <sub>1</sub>	W	$\ell_1$	Code No.	D	D <sub>1</sub>	W	$\ell_1$

★ For the dimensions of ISO (metric), ISO (pipe), DIN (metric), DIN (pipe) of ZK TAP COLLET, please refer to NC TOTAL TOOLING SYSTEM catalog.