

Standard Bore Diameter ø K

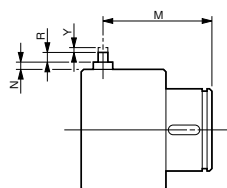
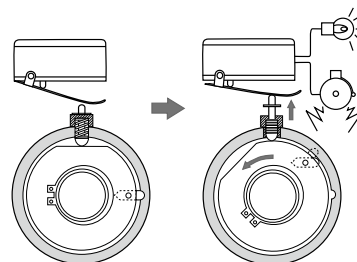
Model	Bore Drilling Standards	Nominal bore diameter	Standard bore diameter K [mm]																				
			8	10	11	12	14	15	16	18	19	20	22	24	25	28	30	32	35	38	40	42	45
TT-1X-03	Old JIS standards (E9)	Blank	●	●	●	●																	
	JIS standards (H9)	H		●	●	●																	
	Motor standards	N																					
TT-2-03	Old JIS standards (E9)	Blank			●	●	●	●	●														
	JIS standards (H9)	H			●	●	●	●	●														
	Motor standards	N					●																
TT-2X-03	Old JIS standards (E9)	Blank					●	●	●	●	●	●											
	JIS standards (H9)	H					●	●	●	●	●	●											
	Motor standards	N					●				●												
TT-3-03	Old JIS standards (E9)	Blank								●	●	●	●	●	●								
	JIS standards (H9)	H								●	●	●	●	●	●								
	Motor standards	N									●			●									
TT-3X-03	Old JIS standards (E9)	Blank								●	●	●	●	●	●								
	JIS standards (H9)	H								●	●	●	●	●	●								
	Motor standards	N									●			●									
TT-4X-03	Old JIS standards (E9)	Blank									●	●	●	●	●	●	●	●	●	●	●	●	●
	JIS standards (H9)	H									●	●	●	●	●	●	●	●	●	●	●	●	●
	Motor standards	N									●			●		●			●		●		●

• There is no keyway for bore diameter ø8 mm.

Option Signal Pin

Unattended or remotely controlled machines and equipment require equipment that detects an overload and automatically switches off the power or sounds a warning alarm.

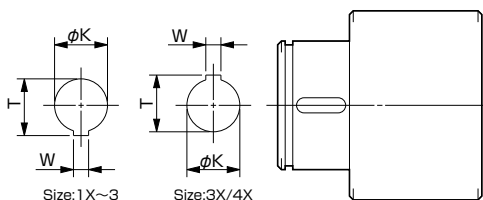
An overload can be detected by connecting the signal pin to the torque tender. When an overload is detected, the input side and the output side are disconnected and the cam mechanism of the torque tender hub pushes the signal pin out in the radial direction. This can be used to switch off the power or sound a warning alarm.



Size	M	Y	R	N
1X	47	1.5	6.5	5.5
2	56	2.5	5	4.5
2X	60	2.5	5	4.5
3	79	2.5	5	4.5
3X	114	2.5	5	4.5
4X	125	2.5	5	2

Standard Hole-Drillings

TT(O3)



Unit [mm]

Models compliant with the old JIS standard (class 2) JIS B 1301 1959				Models compliant with the new JIS standard (H9) JIS B 1301 1996				Models compliant with the motor standard JIS C 4210 2001			
Nominal bore diameter	Bore diameter [øA/øK] Tolerance H7	Keyway width [W] Tolerance E9	Keyway height [T] —	Nominal bore diameter	Bore diameter [øA/øK] Tolerance H7	Keyway width [W] Tolerance H9	Keyway height [T] —	Nominal bore diameter	Bore diameter [øA/øK] Tolerance G7	Keyway width [W] Tolerance H9	Keyway height [T] —
8	8 $^{+0.015}_0$	—	—	—	—	—	—	—	—	—	—
10	10 $^{+0.015}_0$	4 $^{+0.050}_{+0.020}$	11.5 $^{0.5}_0$	10 H	10 $^{+0.015}_0$	4 $^{+0.030}_0$	11.8 $^{0.5}_0$	—	—	—	—
11	11 $^{+0.018}_0$	4 $^{+0.050}_{+0.020}$	12.5 $^{0.5}_0$	11 H	11 $^{+0.018}_0$	4 $^{+0.030}_0$	12.8 $^{0.5}_0$	—	—	—	—
12	12 $^{+0.018}_0$	4 $^{+0.050}_{+0.020}$	13.5 $^{0.5}_0$	12 H	12 $^{+0.018}_0$	4 $^{+0.030}_0$	13.8 $^{0.5}_0$	—	—	—	—
14	14 $^{+0.018}_0$	5 $^{+0.050}_{+0.020}$	16.0 $^{0.5}_0$	14 H	14 $^{+0.018}_0$	5 $^{+0.030}_0$	16.3 $^{0.5}_0$	14 N	14 $^{+0.024}_{+0.006}$	5 $^{+0.030}_0$	16.0 $^{0.5}_0$
15	15 $^{+0.018}_0$	5 $^{+0.050}_{+0.020}$	17.0 $^{0.5}_0$	15 H	15 $^{+0.018}_0$	5 $^{+0.030}_0$	17.3 $^{0.5}_0$	—	—	—	—
16	16 $^{+0.018}_0$	5 $^{+0.050}_{+0.020}$	18.0 $^{0.5}_0$	16 H	16 $^{+0.018}_0$	5 $^{+0.030}_0$	18.3 $^{0.5}_0$	—	—	—	—
18	18 $^{+0.018}_0$	5 $^{+0.050}_{+0.020}$	20.0 $^{0.5}_0$	18 H	18 $^{+0.018}_0$	6 $^{+0.030}_0$	20.8 $^{0.5}_0$	—	—	—	—
19	19 $^{+0.021}_0$	5 $^{+0.050}_{+0.020}$	21.0 $^{0.5}_0$	19 H	19 $^{+0.021}_0$	6 $^{+0.030}_0$	21.8 $^{0.5}_0$	19 N	19 $^{+0.028}_{+0.007}$	6 $^{+0.030}_0$	21.5 $^{0.5}_0$
20	20 $^{+0.021}_0$	5 $^{+0.050}_{+0.020}$	22.0 $^{0.5}_0$	20 H	20 $^{+0.021}_0$	6 $^{+0.030}_0$	22.8 $^{0.5}_0$	—	—	—	—
22	22 $^{+0.021}_0$	7 $^{+0.061}_{+0.025}$	25.0 $^{0.5}_0$	22 H	22 $^{+0.021}_0$	6 $^{+0.030}_0$	24.8 $^{0.5}_0$	—	—	—	—
24	24 $^{+0.021}_0$	7 $^{+0.061}_{+0.025}$	27.0 $^{0.5}_0$	24 H	24 $^{+0.021}_0$	8 $^{+0.036}_0$	27.3 $^{0.5}_0$	24 N	24 $^{+0.028}_{+0.007}$	8 $^{+0.036}_0$	27.0 $^{0.5}_0$
25	25 $^{+0.021}_0$	7 $^{+0.061}_{+0.025}$	28.0 $^{0.5}_0$	25 H	25 $^{+0.021}_0$	8 $^{+0.036}_0$	28.3 $^{0.5}_0$	—	—	—	—
28	28 $^{+0.021}_0$	7 $^{+0.061}_{+0.025}$	31.0 $^{0.5}_0$	28 H	28 $^{+0.021}_0$	8 $^{+0.036}_0$	31.3 $^{0.5}_0$	28 N	28 $^{+0.028}_{+0.007}$	8 $^{+0.036}_0$	31.0 $^{0.5}_0$
30	30 $^{+0.021}_0$	7 $^{+0.061}_{+0.025}$	33.0 $^{0.5}_0$	30 H	30 $^{+0.021}_0$	8 $^{+0.036}_0$	33.3 $^{0.5}_0$	—	—	—	—
32	32 $^{+0.025}_0$	10 $^{+0.061}_{+0.025}$	33.5 $^{0.5}_0$	32 H	32 $^{+0.025}_0$	10 $^{+0.036}_0$	35.3 $^{0.5}_0$	—	—	—	—
35	35 $^{+0.025}_0$	10 $^{+0.061}_{+0.025}$	38.5 $^{0.5}_0$	35 H	35 $^{+0.025}_0$	10 $^{+0.036}_0$	38.3 $^{0.5}_0$	—	—	—	—
38	38 $^{+0.025}_0$	10 $^{+0.061}_{+0.025}$	41.5 $^{0.5}_0$	38 H	38 $^{+0.025}_0$	10 $^{+0.036}_0$	41.3 $^{0.5}_0$	38 N	38 $^{+0.034}_{+0.009}$	10 $^{+0.036}_0$	41.0 $^{0.5}_0$
40	40 $^{+0.025}_0$	10 $^{+0.061}_{+0.025}$	43.5 $^{0.5}_0$	40 H	40 $^{+0.025}_0$	12 $^{+0.043}_0$	43.3 $^{0.5}_0$	—	—	—	—
42	42 $^{+0.025}_0$	12 $^{+0.075}_{+0.032}$	45.5 $^{0.5}_0$	42 H	42 $^{+0.025}_0$	12 $^{+0.043}_0$	45.3 $^{0.5}_0$	42 N	42 $^{+0.034}_{+0.009}$	12 $^{+0.043}_0$	45.0 $^{0.5}_0$
45	45 $^{+0.025}_0$	12 $^{+0.075}_{+0.032}$	48.5 $^{0.5}_0$	45 H	45 $^{+0.025}_0$	14 $^{+0.043}_0$	48.8 $^{0.5}_0$	—	—	—	—
48	48 $^{+0.025}_0$	12 $^{+0.075}_{+0.032}$	51.5 $^{0.5}_0$	48 H	48 $^{+0.025}_0$	14 $^{+0.043}_0$	51.8 $^{0.5}_0$	48 N	48 $^{+0.034}_{+0.009}$	14 $^{+0.043}_0$	51.5 $^{0.5}_0$
50	50 $^{+0.025}_0$	12 $^{+0.075}_{+0.032}$	53.5 $^{0.5}_0$	50 H	50 $^{+0.025}_0$	14 $^{+0.043}_0$	53.8 $^{0.5}_0$	—	—	—	—

NOTE

- The set screws are included with the product.
- For standard bore drilling dimensions other than those specified, please contact Miki Pulley.

How to Place an Order

TT-2X-03-19H-10NM-P

Size ————
Type ————
O3: Winding
Bore diameter (øK) ————

Option
Blank: None
P: Equipped with a signal pin

Set torque
*Contact Miki Pulley for assistance in changing the set torque for normal or reverse operation.

Key specifications
Blank: Compliant with the old JIS standards (class 2)
H: Compliant with the new JIS standards
N: Compliant with the new motor standards