

2023-2025



CLAMPING SYSTEM

**COMPREHENSIVE PRODUCT SAMPLES** 





				e workpiece	support wit	h greatly		
Model Representatio	n nple: HH33-03T) ①Dimensions (refer to specification sh	neet) ②F	Rising spring force	③Spec	cial specification man	'k		
НН33 -	02T 03T 05T 07T	L: Standard type H: Strong type			Unmarked: standard type B: air pressure sensor			
Specification	Model		НН33-02Т	НН33-03Т	НН33-05Т	НН33-07Т		
Workpiece support force (w	hen oil pressure is 7Mpa) ※1 (	KN)	2.5	3	5	7		
Cylinder capacity (cm <sup>3</sup> )			0.3	0.7	0.7	1.2		
Diaina annina fanas ¥2	L: Standard type (N)		2.4~3.1	4~6.3	4~8.8	5.1~8.5		

Diaing anning forms ¥2	L: Standard type	(N)	2.4~3.1	4~6.3	4~8.8	5.1~8.5	
Rising spring force ×2	H: Strong type	(N)	4.2~6.5	6~8.4	7.8~13.4	7.9~13.6	
Support plunger stroke		(mm)	6.5	8	8	10	
Maximum allowable mass of cap (kg)		(kg)	0.05		0.1		
Mass		(kg)	0.2	0.3	0.4	0.7	

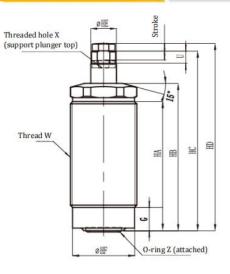
Operating oil pressure range: 2.5 ~ 7MPa Guaranteed pressure resistance: 10.5MPa Operating ambient temperature: 0-70°C Operating fluid: ordinary mineral oil-based hydraulic oil (equivalent to ISO-VG32)

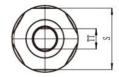
% 1: When the workpiece support is used opposite to the clamp, in order to make the support force reach more than 1.5 times of (clamping force + cutting load), please select the workpiece support and clamp with matching model.

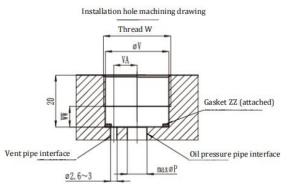
% 2: The rising spring force indicates the spring force supporting the rising end and the falling end of the plunger rod.



## **Overall Dimension**







Model	НН33-02Т	НН33-03Т	НН33-05Т ※2	НН33-07Т	
НА	50.1	54.1	49.1	59.1	
НВ	57	62	58	71	
НС	70	77	73	88	
HD	73	81	77	92	
HE	10 f7	12 f7	15 f7	16 f7	
HF	$24.3^{0}_{-0.1}$	$28.2^{0}_{-0.1}$	$34.2^{0}_{-0.1}$	$43.2^{0}_{-0.1}$	
G	9	9	9	9.5	
S	24	27	32	36	
TT	8	10	11	11	
U	4.7	4	3.6	4.9	
V	24.5	28.5	34.5	43.5	
VA	9	11	13	16	
W (nominal diameter × pitch)	M26×1.5	M30×1.5	M36×1.5	M45×1.5	
WW	8	9	9	9	
X (nominal diameter ×	M6×1 deep	M8×1.25	M10×1.5	M10×1.5	
pitch depth)	7.5	deep 8	deep 10	deep 10	
Z※1	10.82×1.78	12.42×1.78	12.42×1.78	14×1.78	
ZZ※1	20×24×1.25	23×28×1.3	28×34×1.25	43×38×1.25	
Main body tightening torque	35~45 N∙m	40~50 N·m	45~55 N∙m	55~65 N∙m	
Cap tightening torque	10 N·m	20 N∙m	30 N∙m	30 N∙m	
Фр	7.5	9	9	9	

% 1: attached 0-ring

% 2: sample size changes when compared with that in the previous period Note 1. When using bench vise and other tools to fix the hexagon of the main body, please tighten it with a force of less than 2.5kN.

2. This figure shows the state of screwing the cap into the support plunger rod when it is not pressurized.

Oil Pressure	Workpiece Support Force (KN)					Deformation amount (µm) is the unusable ran			
(Mpa) HH33-	НН33-02Т	НН33-03Т	НН33-05Т	НН33-07Т	Load(KN)	НН33-02Т	НН33-03Т	НН33-05Т	нн
2.5	0.6	0.8	1	1.8	0	0	0	0	
3.0	0.8	1	1.3	2.3	0	0	0	0	
3.5	1	1.3	1.7	3	1	8.4	6.7	5	
4.0	1.2	1.5	2	3.5	2	16.8	13.3	10	
4.5	1.4	1.8	2.3	4.1	3		20	15	
5.0	1.7	2	2.7	4.7	4			20	
5.5	1.9	2.3	3	5.3					
6.0	2.1	2.5	3.3	5.9	5				
6.5	2.3	2.8	3.6	6.4	6				
7.0	2.5	3	4	7	7				