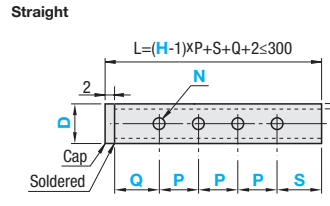


Air Blow Nozzles

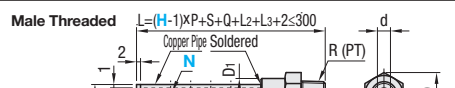
Pipe Nozzles / Copper Pipes for Air Blow / Nozzles with Attachment Plate



Type	Material		
	Straight	Male Threaded	Tapped
PNZC	PNMC	PNRC	Copper Pipe (EN CW614N Equiv.) EN 1.4301 Equiv.
PNZS	PNMS	PNRS	



⚠ The body may be tarnished due to heat by brazing.
⚠ The above drawing is for 4 hole rows.



⚠ If threaded or tapped type is used, it is recommended to use a nozzle joint (P1475) to blow at a desired angle.

Part Number Type	D	H Number of Hole Rows	P 1mm Increment	N (Hole Dia.) Selection	S, Q 1mm Increment	PNZC Unit Price				PNZS Unit Price								
						H1-9	H10-20	H1-9	H10-20	H1-9	H10-20	H1-9	H10-20					
PNZC	6	1~20	5~30	1.0 1.5 2.0	15~50													
PNZS	8																	
	10																	

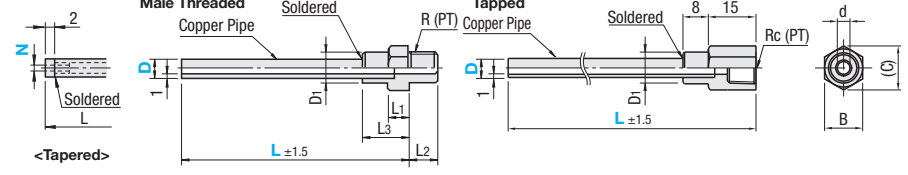
⚠ When H=1, specification of P (Pitch) is not necessary.

Part Number Type	D	H Number of Hole Rows	P 1mm Increment	N (Hole Dia.) Selection	S, Q 1mm Increment	R/Rc(PT)	B	L1	L2	L3	D1	d (C)	PNMC, PNRC Unit Price				PNMS, PNRS Unit Price																	
													H1-9	H10-20	H1-9	H10-20	H1-9	H10-20	H1-9	H10-20														
(Male Threaded) (Tapped)	6	1~20	5~30	1.0 1.5 2.0	15~50	1/8	12	6	9	14	10	4	13.8																					
PNMC	8																																	
PNRC	10																																	

⚠ When H=1, specification of P (Pitch) is not necessary.



Type	Material		
	Main Body	Pipe	Tapered
Straight	EN CW614N	EN CW024A Equiv.	EN CW614N
Tapered	EN CW614N	(Annealed Copper Pipe) EN CW024A Equiv.	EN CW614N



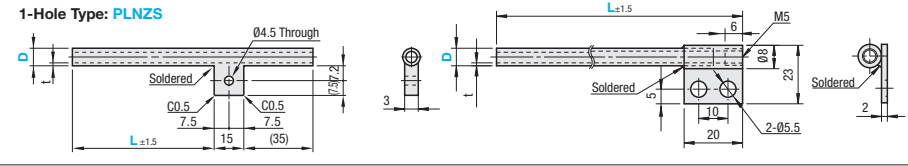
⚠ The body may be tarnished due to heat by brazing.
⚠ The Annealing Copper Pipe is slightly bent.

Part Number Type	D	L Selection	R/Rc (PT)	B	L1	L2	L3	D1	d (C)	DKNZ, DKNZF Unit Price				DKNZN, DKNZFN Unit Price																
										L100	L200	L300	L500	L100	L200	L300	L500													
DKNZ	6	100 200 300 500	1/8	12	6	9	14	10	4	13.8																				
DKNZN	8																													
DKNZF	10																													

Part Number Type	D	L 1mm Increment	Diameter of Tapered Hole N Selection	R/Rc (PT)	B	L1	L2	L3	D1	d (C)	DKNZP Unit Price		DKNZNP Unit Price		
											L50-250	L251-500	L50-250	L251-500	
DKNZP	6	50~500	1.0 1.5 2.0	1/8	12	6	9	14	10	4	13.8				
DKNZNP	8														
	10														



Type	Number of Holes	Material	
		Pipe	Main Body / Plate
PLNZS	1-Hole	EN 1.4301 Equiv.	EN 1.4301 Equiv.
PLNZC	2-Hole	EN CW024A Equiv. / EN CW614N Equiv. / EN 1.4301 Equiv.	EN 1.4301 Equiv.

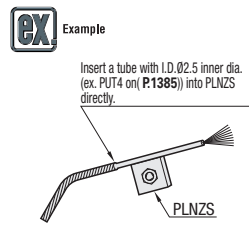


⚠ The body may be tarnished due to heat by brazing.

Part Number Type	D	L 1mm Increment	t	Unit Price	
				L50-150	L151-300
PLNZS	3	100~300	0.5		
PLNZC	4	50~300	0.5		
	6		1.0		

Ordering Example: Part Number - H (Number of Hole Rows) - P - N - S - Q
 PNZC8 - 10 - P10 - N1.5 - S15 - Q15
 PNMS10 - 1 - P10 - N1.0 - S20 - Q20

Ordering Example: Part Number - L - N
 DKNZF8 - 300 - N1.0
 DKNZP8 - 200 - N1.0

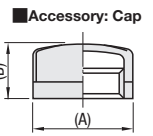
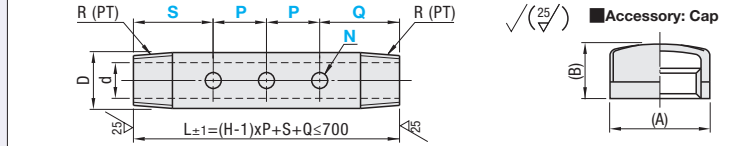


Steel Pipe Nozzles

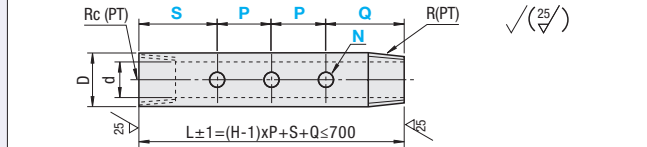
Both Ends Threaded / Tapped, One End Threaded One End Tapped



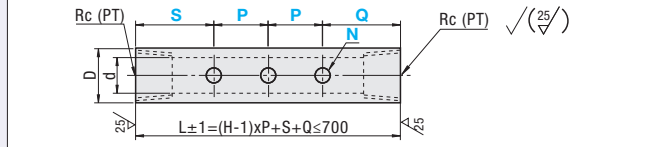
Type	Material	Surface Treatment	Accessory	
			Cap (EN-JM 1010 Equiv., Hot Zinc Plating)	1 pc.
SGPPN	FSGPPN	EN 1.0035 Equiv. / Zinc Plating	Cap (EN-JM 1010 Equiv., Hot Zinc Plating)	1 pc.
SUTPN	FSUTPN	EN 1.4301 Equiv. / -	Cap (EN 1.4301 Equiv.)	1 pc.



Type	Material	Surface Treatment	Accessory	
			Tapered Screw Plug (EN 1.7220 Equiv., Black Oxide)	1 pc.
SGPPW	FSUTPW	EN 1.0035 Equiv. / Zinc Plating	Tapered Screw Plug (EN 1.7220 Equiv., Black Oxide)	1 pc.
SUTPW	FSUTPW	EN 1.4301 Equiv. / -	Tapered Screw Plug (EN 1.4567 Equiv.)	1 pc.



Type	Material	Surface Treatment	Accessory	
			Tapered Screw Plug (EN 1.7220 Equiv., Black Oxide)	1 pc.
SGPPF	FSGPPF	EN 1.0035 Equiv. / Zinc Plating	Tapered Screw Plug (EN 1.7220 Equiv., Black Oxide)	1 pc.
SUTPF	FSUTPF	EN 1.4301 Equiv. / -	Tapered Screw Plug (EN 1.4567 Equiv.)	1 pc.

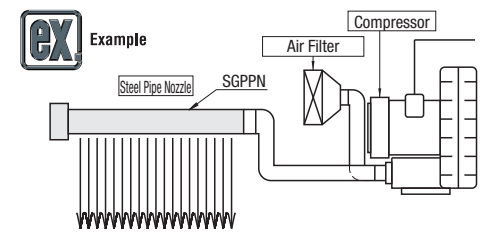


* Threaded ends are covered with sealing tapes before shipping.
 ⚠ There is no surface treatment on threads. * Marks may be left on the surface when tightening screws.
 ⚠ Excessive tightening may deform the female thread portion. Wrap with sealing tape for air tightness and after manual tightening, tighten it up further by giving one rotation or so.

Part Number Type	No.	H Number of Holes	P 5mm Increment	N (Hole Dia.) 0.5mm Increment	R (PT) Rc (PT)	S, Q	D	d		Cap Dim. of Both Ends Threaded Type				
								SGPP	SUTP	(A)	(B)			
SGPPN	1	2~94	5~30	1.5~3.0	1/8	15	10.5	-	5.7	18	14			
SUTPN	2							1/4	20	13.8	9.2	7.8	22	15
SGPPW	3							3/8	17.3	12.7	10.9	27	18	
SUTPW	4							1/2	25	21.7	16.1	16.1	31	20

Part Number Type	No.	H Number of Holes	P 5mm Increment	N (Hole Dia.) 0.5mm Increment	S 1mm Increment	Q 1mm Increment	R (PT) Rc (PT)	D	d		Cap Dim. of Both Ends Threaded Type			
									FSGP	FSUT	(A)	(B)		
FSGPPN	1	2~94	5~30	1.5~3.0	15~200	15~200	1/8	10.5	-	5.7	18	14		
FSUTPN	2								1/4	13.8	9.2	7.8	22	15
FSGPPW	3								3/8	17.3	12.7	10.9	27	18
FSUTPW	4								1/2	21.7	16.1	16.1	31	20

Ordering Example: Part Number - H (Number of Holes) - P - N - S - Q
 SUTPN3 - 30 - P10 - N1.5
 FSUTPW2 - 40 - P5 - N2.0 - S50 - Q80



No.	SGPPN, SGPPF Unit Price				SUTPN, SUTPF Unit Price				SGPPW Unit Price				SUTPW Unit Price			
	H2-25	H26-50	H51-75	H76-94	H2-25	H26-50	H51-75	H76-94	H2-25	H26-50	H51-75	H76-94	H2-25	H26-50	H51-75	H76-94
1																
2																
3																
4																