



# HV & UHV Vacuum Products Catalogue

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# ISO Flanges and Components

## ■ Nipples



### ISO Nipples

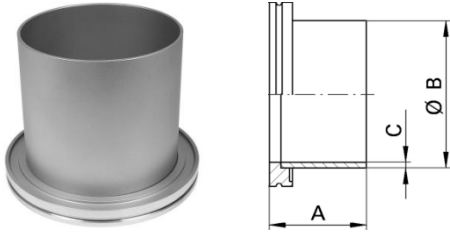
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### ISO-K Half Nipples | Straight Tubulations



- Standard material SS 304L ...also available in 316L and Al
- Temperature range: -195 to 300°C ...200°C; Al. 350°C; 316L
- Custom lengths manufactured by request
- Full range of centering rings, O-rings and clamps in-stock

NW	A dimension	B dimension	C dimension	Part Code
ISO63-K	100.0	63.5	1.65	ISO63K100HN
ISO63-K	100.0	76.1	3.0	ISO63K100HN
ISO80-K	100.0	76.1	3.0	ISO80K100HN
ISO100-K	100.0	101.6	3.0	ISO100K100HN
ISO100-K	100.0	108.0	3.0	ISO100K100HN
ISO160-K	100.0	152.4	3.0	ISO160K100HN
ISO160-K	100.0	159.0	3.0	ISO160K100HN
ISO200-K	100.0	203.0	3.0	ISO200K100HN
ISO200-K	100.0	219.0	3.0	ISO200K100HN
ISO250-K	100.0	254.0	3.0	ISO250K100HN
ISO250-K	100.0	273.0	3.0	ISO250K100HN
ISO320-K	100.0	324.0	3.0	ISO320K100HN
ISO400-K	100.0	406.0	3.0	ISO400K100HN
ISO500-K	100.0	508.0	4.0	ISO500K100HN
ISO630-K	100.0	660.0	5.0	ISO630K100HN

all dimensions are measured in millimetres (mm) unless otherwise stated

### Centering Rings & O-rings and Clamps

NW	Type	Part Code
ISO63	SS/VITON*	ISO63CRVSS
ISO80	SS/VITON*	ISO80CRVSS
ISO100	SS/VITON*	ISO100CRVSS
ISO160	SS/VITON*	ISO160CRVSS
ISO200	SS/VITON*	ISO200CRVSS
ISO250	SS/VITON*	ISO250CRVSS
ISO320	SS/VITON* +Al Trapped**	ISO320TCRVSS
ISO400	SS/VITON* +Al Trapped**	ISO400TCRVSS
ISO500	SS/VITON* +Al Trapped**	ISO500TCRVSS
ISO630	SS/VITON* +Al Trapped**	ISO630TCRVSS

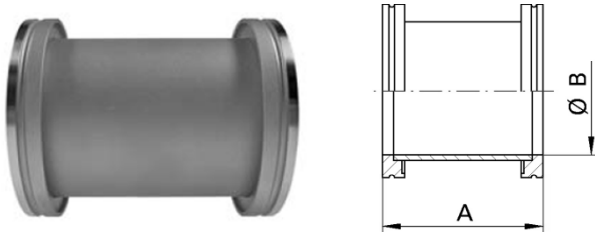
\*Fluorocarbon (temp range -15 to 150°C). Other Centering/O-ring materials available

\*\*Trapped Centering Rings recommended for use with ISO320-K and above

ISO63-100-K	Aluminium	ISO63/100DDCAL
ISO160-250-K	Aluminium	ISO160/250DCCAL
ISO320-500-K	Aluminium	ISO320/500DCCAL
ISO630-K	Aluminium	ISO630DCCAL

other clamp materials and styles available

ISO-K Full Nipples | Straight Tubulations



- Standard material SS 304L ...also available in 316L and AI
- Temperature range: -195 to 300°C ...200°C; AI. 350°C; 316L
- Custom lengths manufactured by request
- Full range of centering rings, O-rings and clamps in-stock

NW	A dimension	B dimension	Wall	Part Code
ISO63-K	107.0	63.5	1.65	ISO63K107FN
ISO63-K	177.0	76.1	3.0	ISO63K177FN
ISO80-K	107.0	76.1	3.0	ISO80K107FN
ISO100-K	107.0	101.6	3.0	ISO100K107FN
ISO100-K	217.0	108.0	3.0	ISO100K217FN
ISO160-K	107.0	152.4	3.0	ISO160K107FN
ISO160-K	278.0	159.0	3.0	ISO160K278FN
ISO200-K	107.0	203.0	3.0	ISO200K107FN
ISO200-K	338.0	219.0	3.0	ISO200K338FN
ISO250-K	107.0	254.0	3.0	ISO250K107FN
ISO250-K	420.0	273.0	3.0	ISO250K420FN

all dimensions are measured in millimetres (mm) unless otherwise stated

Centering Rings & O-rings and Clamps

NW	Type	Part Code
ISO63	SS/VITON*	ISO63CRVSS
ISO80	SS/VITON*	ISO80CRVSS
ISO100	SS/VITON*	ISO100CRVSS
ISO160	SS/VITON*	ISO160CRVSS
ISO200	SS/VITON*	ISO200CRVSS
ISO250	SS/VITON*	ISO250CRVSS
ISO320	SS/VITON* +AI Trapped**	ISO320TCRVSS
ISO400	SS/VITON* +AI Trapped**	ISO400TCRVSS
ISO500	SS/VITON* +AI Trapped**	ISO500TCRVSS
ISO630	SS/VITON* +AI Trapped**	ISO630TCRVSS

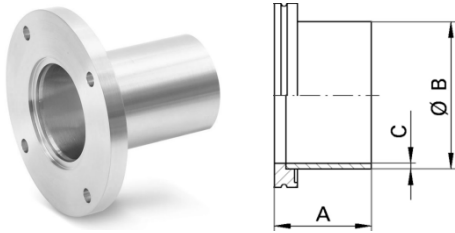
\*Fluorocarbon (temp range -15 to 150°C). Other Centering/O-ring materials available

\*\*Trapped Centering Rings recommended for use with ISO320-K and above

ISO63-100-K	Aluminium	ISO63/100DDCAL
ISO160-250-K	Aluminium	ISO160/250DCCAL
ISO320-500-K	Aluminium	ISO320/500DCCAL
ISO630-K	Aluminium	ISO630DCCAL

other clamp materials and styles available

ISO-F Half Nipples | Straight Tubulations



- Standard material SS 304L ...also available in 316L and Al
- Temperature range: -195 to 300°C ...200°C; Al. 350°C; 316L
- Custom lengths and Full Nipples manufactured by request
- Full range of centering rings, O-rings and clamps in-stock

NW	A dimension	B dimension	C dimension	Part Code
ISO63-F	100.0	63.5	1.65	ISO63F100HN
ISO63-F	100.0	76.1	3.0	ISO63F100HN
ISO80-F	100.0	76.1	3.0	ISO80F100HN
ISO100-F	100.0	101.6	3.0	ISO100F100HN
ISO100-F	100.0	108.0	3.0	ISO100F100HN
ISO160-F	100.0	152.4	3.0	ISO160F100HN
ISO160-F	100.0	159.0	3.0	ISO160F100HN
ISO200-F	100.0	203.0	3.0	ISO200F100HN
ISO200-F	100.0	219.0	3.0	ISO200F100HN
ISO250-F	100.0	254.0	3.0	ISO250F100HN
ISO250-F	100.0	273.0	3.0	ISO250F100HN
ISO320-F	100.0	324.0	3.0	ISO320F100HN
ISO400-F	100.0	406.0	3.0	ISO400F100HN
ISO500-F	100.0	508.0	4.0	ISO500F100HN
ISO630-F	100.0	660.0	5.0	ISO630F100HN

all dimensions are measured in millimetres (mm) unless otherwise stated

Centering Rings & O-rings and Clamps

NW	Type	Part Code
ISO63	SS/VITON*	ISO63CRVSS
ISO80	SS/VITON*	ISO80CRVSS
ISO100	SS/VITON*	ISO100CRVSS
ISO160	SS/VITON*	ISO160CRVSS
ISO200	SS/VITON*	ISO200CRVSS
ISO250	SS/VITON*	ISO250CRVSS
ISO320	SS/VITON* +Al Trapped**	ISO320TCRVSS
ISO400	SS/VITON* +Al Trapped**	ISO400TCRVSS
ISO500	SS/VITON* +Al Trapped**	ISO500TCRVSS
ISO630	SS/VITON* +Al Trapped**	ISO630TCRVSS

\*Fluorocarbon (temp range -15 to 150°C). Other Centering/O-ring materials available

\*\*Trapped Centering Rings recommended for use with ISO320-F and above

ISO63-F	SS (M8 pack of 4)	ISO63FBOLT
ISO80-100-F	SS (M8 pack of 8)	ISO80/100FBOLT
ISO160-F	SS (M10 pack of 8)	ISO160FBOLT
ISO200-250-F	SS (M10 pack of 12)	ISO200/250FBOLT
ISO320-F	SS (M12 pack of 12)	ISO320FBOLT
ISO400-500-F	SS (M12 pack of 16)	ISO400/500FBOLT
ISO630-F	SS (M12 pack of 20)	ISO630FBOLT



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