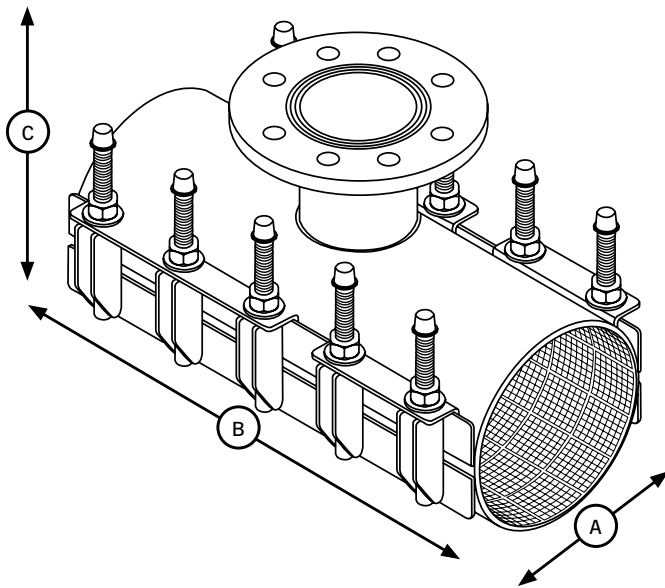


HandiTee DN80 to DN250 Clamp Length 300 to 500mm

Datasheet 1/8

HandiTee



HandiTee Under Pressure Tapping Tee

DN (mm)	OD Range (mm)	Working Pressure		Length of Clamp (mm)											
				300			400			500					
				Max Flange Nom & Flange Drilling	A (mm)	B (mm)	C (mm)	Max Flange Nom & Flange Drilling	A (mm)	B (mm)	C (mm)	Max Flange Nom & Flange Drilling	A (mm)	B (mm)	C (mm)
80	88-110	4.0	16.0	DN65 PN10/16	140	300	260	DN65 PN10/16	140	400	260	DN65 PN10/16	140	500	260
80	100-120	4.0	16.0	DN65 PN10/16	140	300	260	DN80 PN10/16	140	400	260	DN80 PN10/16	140	500	260
100	108-128	3.0	12.0	DN65 PN10/16	160	300	280	DN80 PN10/16	160	400	280	DN80 PN10/16	160	500	280
100	114-134	3.0	12.0	DN65 PN10/16	160	300	280	DN80 PN10/16	160	400	280	DN80 PN10/16	160	500	280
100	120-140	3.0	12.0	DN65 PN10/16	160	300	280	DN80 PN10/16	160	400	280	DN80 PN10/16	160	500	280
100	130-150	3.0	12.0	DN65 PN10/16	160	300	280	DN80 PN10/16	160	400	280	DN100 PN10/16	160	500	280
125	133-155	3.0	12.0	DN65 PN10/16	185	300	305	DN100 PN10/16	185	400	305	DN100 PN10/16	185	500	305
125	135-155	3.0	12.0	DN65 PN10/16	185	300	305	DN125 PN10/16	185	400	305	DN125 PN10/16	185	500	305
125	140-160	3.0	12.0	DN65 PN10/16	185	300	305	DN125 PN10/16	185	400	305	DN125 PN10/16	185	500	305
150	158-180	3.0	12.0	DN65 PN10/16	210	300	330	DN125 PN10/16	210	400	330	DN125 PN10/16	210	500	330
150	165-185	3.0	12.0	DN65 PN10/16	210	300	330	DN125 PN10/16	210	400	330	DN125 PN10/16	210	500	330
150	168-189	3.0	12.0	DN65 PN10/16	210	300	330	DN125 PN10/16	210	400	330	DN125 PN10/16	210	500	330
150	170-190	3.0	12.0	DN65 PN10/16	210	300	330	DN150 PN10/16	210	400	330	DN150 PN10/16	210	500	330
150	176-196	3.0	12.0	DN65 PN10/16	210	300	330	DN150 PN10/16	210	400	330	DN150 PN10/16	210	500	330
150	180-200	3.0	12.0	DN65 PN10/16	210	300	330	DN150 PN10/16	210	400	330	DN150 PN10/16	210	500	330
150	190-210	3.0	12.0	DN65 PN10/16	210	300	330	DN150 PN10/16	210	400	330	DN150 PN10/16	210	500	330
150	195-217	3.0	12.0	DN65 PN10/16	210	300	330	DN150 PN10/16	210	400	330	DN150 PN10/16	210	500	330
150	205-225	3.0	12.0	DN65 PN10/16	210	300	330	DN150 PN10/16	210	400	330	DN150 PN10/16	210	500	330
200	210-230	3.0	12.0	DN65 PN10/16	260	300	380	DN150 PN10/16	260	400	380	DN150 PN10/16	260	500	380
200	216-238	3.0	10.0	DN65 PN10/16	260	300	380	DN150 PN10/16	260	400	380	DN150 PN10/16	260	500	380
200	225-246	3.0	10.0	DN65 PN10/16	260	300	380	DN150 PN10/16	260	400	380	DN150 PN10/16	260	500	380
200	230-250	3.0	10.0	DN65 PN10/16	260	300	380	DN150 PN10/16	260	400	380	DN150 PN10/16	260	500	380
225	240-260	3.0	10.0	DN65 PN10/16	285	300	405	DN150 PN10/16	285	400	405	DN200 PN10	285	500	405
225	250-270	3.0	10.0	DN65 PN10/16	285	300	405	DN150 PN10/16	285	400	405	DN200 PN10	285	500	405
250	260-280	3.0	10.0	DN65 PN10/16	310	300	430	DN150 PN10/16	310	400	430	DN200 PN10	310	500	430
250	269-289	3.0	10.0	DN65 PN10/16	310	300	430	DN150 PN10/16	310	400	430	DN200 PN10	310	500	430
250	273-293	3.0	10.0	DN65 PN10/16	310	300	430	DN150 PN10/16	310	400	430	DN200 PN10	310	500	430
250	282-302	3.0	10.0	DN65 PN10/16	310	300	430	DN150 PN10/16	310	400	430	DN200 PN10	310	500	430

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When using HandiRange products on PE pipe, consideration to clamp length must be given, please contact the Viking Johnson Marketing Department for more details.

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HandiTee DN80 to DN250 Clamp Length 300 to 500mm

Datasheet

2/8

Technical Information

Pressure Rating

- ▶ Water = In accordance the rating as defined in the tables.
- ▶ Gas = In accordance the rating as defined in the tables.

Vacuum Pressure

Capable of accommodating a vacuum pressure of -0.7 bar.

Site Test Pressure

1.5 times working pressure for short duration (2 hours).

Angularity

HandiTee fittings are not able to accommodate any angularity.

Bolt Torque/Spanner

M16; Torque = 95-120Nm on every bolt

Temperature Rating of Product

- ▶ EPDM = -20°C to +40°C
- ▶ Nitrile = 20°C to +40°C

Note: HandiTee is not suitable for use on heating systems with fluctuating temperatures

End Load Due to Internal Pressure

HandiTee fittings DO NOT resist end load due to the internal pressure - adequate external restraint must be provided to prevent pipe pull out from the clamp.

Loads from Drilling Equipment and Valve / Branch Pipework

HandiTee is not designed to accommodate / resist the loads from the under pressure drilling equipment, which needs to be supported externally during the operation to drill into the main. In addition, the valve and branch pipework needs to be adequately supported to ensure none of the dead / live loads are imposed in the branch outlet in the HandiTee.

Approvals

The following water contact materials used in HandiTee are approved for use with potable water:-

- ▶ EPDM Gaskets; WRAS, AS/NZS 4020

Materials & Relevant Standards

Body & Plates

Shell, channel plate, bridging plate, lug plate & nut plate
Stainless Steel AISI 304 (A2)

Gasket

EPDM as standard, Nitrile option

Flange Outlets

Stainless Steel AISI 304, flanges according to DIN2576
varying from DN50 up to DN300

Bolts

Stainless Steel AISI 304 (A2); M16
(metric thread according DIN267),
thread is PTFE coated to prevent galling

Nuts

Stainless Steel AISI 304 (A2). M16 according DIN934

Washers

Stainless Steel BS1449:PART 2 GRADE 304S15

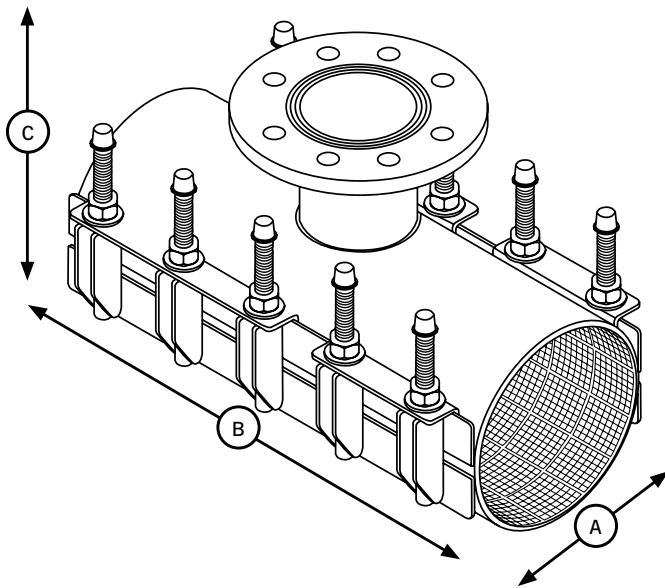
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HandiTee DN80 to DN250 Clamp Length 600 to 1000mm

Datasheet 3/8

HandiTee



HandiTee Under Pressure Tapping Tee

DN (mm)	OD Range (mm)	Working Pressure		Length of Clamp (mm)											
				600				800				1000			
				Gas (bar)	Water (bar)	Max Flange Nom & Flange Drilling	A (mm)	B (mm)	C (mm)	Max Flange Nom & Flange Drilling	A (mm)	B (mm)	C (mm)	Max Flange Nom & Flange Drilling	A (mm)
80	88-110	4.0	16.0	DN65 PN10/16	140	600	260	Not Available	Not Available						
80	100-120	4.0	16.0	DN80 PN10/16	140	600	260								
100	108-128	3.0	12.0	DN80 PN10/16	160	600	280								
100	114-134	3.0	12.0	DN80 PN10/16	160	600	280								
100	120-140	3.0	12.0	DN80 PN10/16	160	600	280								
100	130-150	3.0	12.0	DN100 PN10/16	160	600	280								
125	133-155	3.0	12.0	DN100 PN10/16	185	600	305								
125	135-155	3.0	12.0	DN125 PN10/16	185	600	305								
125	140-160	3.0	12.0	DN125 PN10/16	185	600	305								
150	158-180	3.0	12.0	DN125 PN10/16	210	600	330								
150	165-185	3.0	12.0	DN125 PN10/16	210	600	330								
150	168-189	3.0	12.0	DN125 PN10/16	210	600	330								
150	170-190	3.0	12.0	DN150 PN10/16	210	600	330								
150	176-196	3.0	12.0	DN150 PN10/16	210	600	330								
150	180-200	3.0	12.0	DN150 PN10/16	210	600	330								
150	190-210	3.0	12.0	DN150 PN10/16	210	600	330								
150	195-217	3.0	12.0	DN150 PN10/16	210	600	330								
150	205-225	3.0	12.0	DN150 PN10/16	210	600	330								
200	210-230	3.0	12.0	DN150 PN10/16	260	600	380								
200	216-238	3.0	10.0	DN150 PN10/16	260	600	380								
200	225-246	3.0	10.0	DN150 PN10/16	260	600	380								
200	230-250	3.0	10.0	DN150 PN10/16	260	600	380								
225	240-260	3.0	10.0	DN200 PN10	285	600	405								
225	250-270	3.0	10.0	DN200 PN10	285	600	405								
250	260-280	3.0	10.0	DN200 PN10	310	600	430								
250	269-289	3.0	10.0	DN200 PN10	310	600	430								
250	273-293	3.0	10.0	DN200 PN10	310	600	430								
250	282-302	3.0	10.0	DN200 PN10	310	600	430								

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When using HandiRange products on PE pipe, consideration to clamp length must be given, please contact the Viking Johnson Marketing Department for more details.

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HandiTee DN80 to DN250 Clamp Length 600 to 1000mm

Datasheet

4/8

Technical Information

Pressure Rating

- ▶ Water = In accordance the rating as defined in the tables.
- ▶ Gas = In accordance the rating as defined in the tables.

Vacuum Pressure

Capable of accommodating a vacuum pressure of -0.7 bar.

Site Test Pressure

1.5 times working pressure for short duration (2 hours).

Angularity

HandiTee fittings are not able to accommodate any angularity.

Bolt Torque/Spanner

M16; Torque = 95-120Nm on every bolt

Temperature Rating of Product

- ▶ EPDM = -20°C to +40°C
- ▶ Nitrile = 20°C to +40°C

Note: HandiTee is not suitable for use on heating systems with fluctuating temperatures

End Load Due to Internal Pressure

HandiTee fittings DO NOT resist end load due to the internal pressure - adequate external restraint must be provided to prevent pipe pull out from the clamp.

Loads from Drilling Equipment and Valve / Branch Pipework

HandiTee is not designed to accommodate / resist the loads from the under pressure drilling equipment, which needs to be supported externally during the operation to drill into the main. In addition, the valve and branch pipework needs to be adequately supported to ensure none of the dead / live loads are imposed in the branch outlet in the HandiTee.

Approvals

The following water contact materials used in HandiTee are approved for use with potable water:-

- ▶ EPDM Gaskets; WRAS, AS/NZS 4020

Materials & Relevant Standards

Body & Plates

Shell, channel plate, bridging plate, lug plate & nut plate
Stainless Steel AISI 304 (A2)

Gasket

EPDM as standard, Nitrile option

Flange Outlets

Stainless Steel AISI 304, flanges according to DIN2576
varying from DN50 up to DN300

Bolts

Stainless Steel AISI 304 (A2); M16
(metric thread according DIN267),
thread is PTFE coated to prevent galling

Nuts

Stainless Steel AISI 304 (A2). M16 according DIN934

Washers

Stainless Steel BS1449:PART 2 GRADE 304S15

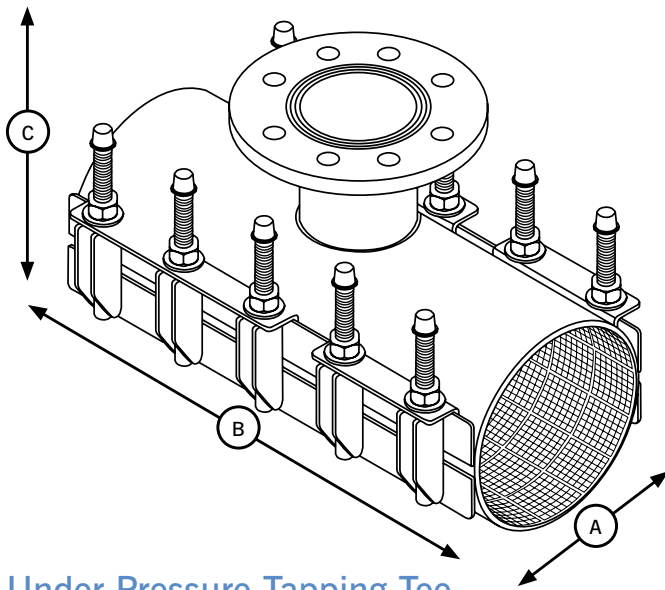
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When using HandiRange products on PE pipe, consideration to clamp length must be given, please contact the Viking Johnson Marketing Department for more details.

HandiTee DN300 to DN750 Clamp Length 300 to 500mm

Datasheet 5/8

HandiTee



HandiTee Under Pressure Tapping Tee

DN (mm)	OD Range (mm)	Working Pressure		Length of Clamp (mm)											
				300			400			500					
				Max Flange Nom & Flange Drilling	A (mm)	B (mm)	C (mm)	Max Flange Nom & Flange Drilling	A (mm)	B (mm)	C (mm)	Max Flange Nom & Flange Drilling	A (mm)	B (mm)	C (mm)
300	295-315	3.0	10.0	DN65 PN10/16	360	300	480	DN150 PN10/16	360	400	480	DN200 PN10	360	500	480
300	314-334	3.0	10.0	DN65 PN10/16	360	300	480	DN150 PN10/16	360	400	480	DN200 PN10	360	500	480
300	322-344	3.0	10.0	DN65 PN10/16	360	300	480	DN150 PN10/16	360	400	480	DN200 PN10	360	500	480
300	335-355	3.0	10.0	DN65 PN10/16	360	300	480	DN150 PN10/16	360	400	480	DN200 PN10	360	500	480
300	347-367	3.0	10.0					DN150 PN10/16	360	400	480	DN200 PN10	360	500	480
350	350-368	3.0	10.0					DN150 PN10/16	410	400	530	DN200 PN10	410	500	530
350	360-380	3.0	10.0					DN150 PN10/16	410	400	530	DN200 PN10	410	500	530
350	365-385	3.0	10.0					DN150 PN10/16	410	400	530	DN200 PN10	410	500	530
350	382-402	3.0	10.0					DN150 PN10/16	410	400	530	DN200 PN10	410	500	530
350	396-420	3.0	10.0					DN150 PN10/16	410	400	530	DN200 PN10	410	500	530
400	404-424	3.0	10.0					DN150 PN10/16	460	400	580	DN200 PN10	460	500	580
400	410-430	3.0	10.0					DN150 PN10/16	460	400	580	DN200 PN10	460	500	580
400	420-440	2.0	6.0									DN200 PN10	460	500	580
450	435-455	2.0	6.0									DN200 PN10	510	500	630
450	468-488	2.0	6.0									DN200 PN10	510	500	630
450	485-505	2.0	6.0									DN200 PN10	510	500	630
500	532-552	2.0	6.0									DN200 PN10	560	500	680
500	545-575	2.0	6.0									DN200 PN10	560	500	680
500	568-498	2.0	6.0									DN200 PN10	560	500	680
600	588-618	2.0	6.0									DN200 PN10	660	500	780
600	608-638	2.0	6.0												
600	628-658	2.0	6.0												
600	648-678	2.0	6.0												
600	668-698	2.0	6.0												
600	688-718	2.0	6.0												
700	708-738	2.0	6.0												
700	728-758	2.0	6.0												
750	748-778	2.0	6.0												
750	768-798	2.0	6.0												

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When using HandiRange products on PE pipe, consideration to clamp length must be given, please contact the Viking Johnson Marketing Department for more details.

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Technical Information

Pressure Rating

- ▶ Water = In accordance the rating as defined in the tables.
- ▶ Gas = In accordance the rating as defined in the tables.

Vacuum Pressure

Capable of accommodating a vacuum pressure of -0.7 bar.

Site Test Pressure

1.5 times working pressure for short duration (2 hours).

Angularity

HandiTee fittings are not able to accommodate any angularity.

Bolt Torque/Spanner

M16; Torque = 95-120Nm on every bolt

Temperature Rating of Product

- ▶ EPDM = -20°C to +40°C
- ▶ Nitrile = 20°C to +40°C

Note: HandiTee is not suitable for use on heating systems with fluctuating temperatures

End Load Due to Internal Pressure

HandiTee fittings DO NOT resist end load due to the internal pressure - adequate external restraint must be provided to prevent pipe pull out from the clamp.

Loads from Drilling Equipment and Valve / Branch Pipework

HandiTee is not designed to accommodate / resist the loads from the under pressure drilling equipment, which needs to be supported externally during the operation to drill into the main. In addition, the valve and branch pipework needs to be adequately supported to ensure none of the dead / live loads are imposed in the branch outlet in the HandiTee.

Approvals

The following water contact materials used in HandiTee are approved for use with potable water:-

- ▶ EPDM Gaskets; WRAS, AS/NZS 4020

Materials & Relevant Standards

Body & Plates

Shell, channel plate, bridging plate, lug plate & nut plate
Stainless Steel AISI 304 (A2)

Gasket

EPDM as standard, Nitrile option

Flange Outlets

Stainless Steel AISI 304, flanges according to DIN2576
varying from DN50 up to DN300

Bolts

Stainless Steel AISI 304 (A2); M16
(metric thread according DIN267),
thread is PTFE coated to prevent galling

Nuts

Stainless Steel AISI 304 (A2). M16 according DIN934

Washers

Stainless Steel BS1449:PART 2 GRADE 304S15

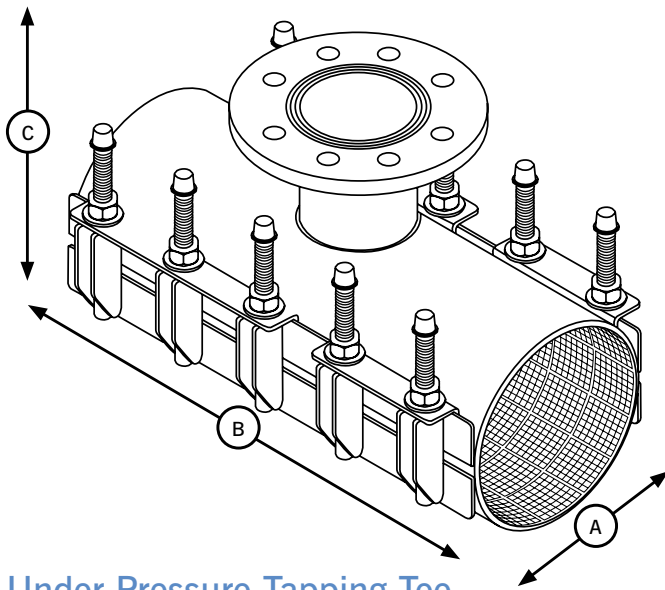
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HandiTee DN300 to DN750 Clamp Length 600 to 1000mm

Datasheet 7/8

HandiTee



HandiTee Under Pressure Tapping Tee

DN (mm)	OD Range (mm)	Working Pressure		Length of Clamp (mm)												
				600			800			1000						
				Gas (bar)	Water (bar)	Max Flange Nom & Flange Drilling	A (mm)	B (mm)	C (mm)	Max Flange Nom & Flange Drilling	A (mm)	B (mm)	C (mm)	Max Flange Nom & Flange Drilling	A (mm)	B (mm)
300	295-315	3.0	10.0	DN200 PN10	360	600	480									
300	314-334	3.0	10.0	DN250 PN10	360	600	480									
300	322-344	3.0	10.0	DN250 PN10	360	600	480									
300	335-355	3.0	10.0	DN250 PN10	360	600	480									
300	347-367	3.0	10.0	DN250 PN10	360	600	480									
350	350-368	3.0	10.0	DN250 PN10	410	600	530									
350	360-380	3.0	10.0	DN250 PN10	410	600	530									
350	365-385	3.0	10.0	DN250 PN10	410	600	530	DN300 PN10	410	800	530	DN300 PN10	410	1000	530	
350	382-402	3.0	10.0	DN250 PN10	410	600	530	DN300 PN10	410	800	530	DN300 PN10	410	1000	530	
350	396-420	3.0	10.0	DN250 PN10	410	600	530	DN300 PN10	410	800	530	DN300 PN10	410	1000	530	
400	404-424	3.0	10.0	DN250 PN10	460	600	580	DN300 PN10	460	800	580	DN300 PN10	460	1000	580	
400	410-430	3.0	10.0	DN250 PN10	460	600	580	DN300 PN10	460	800	580	DN300 PN10	460	1000	580	
400	420-440	2.0	6.0	DN250 PN10	460	600	580	DN300 PN10	460	800	580	DN300 PN10	460	1000	580	
450	435-455	2.0	6.0	DN250 PN10	510	600	630	DN300 PN10	510	800	630	DN300 PN10	510	1000	630	
450	468-488	2.0	6.0	DN250 PN10	510	600	630	DN300 PN10	510	800	630	DN300 PN10	510	1000	630	
450	485-505	2.0	6.0	DN250 PN10	510	600	630	DN300 PN10	510	800	630	DN300 PN10	510	1000	630	
500	532-552	2.0	6.0	DN250 PN10	560	600	680	DN300 PN10	560	800	680	DN300 PN10	560	1000	680	
500	545-575	2.0	6.0	DN250 PN10	560	600	680	DN300 PN10	560	800	680	DN300 PN10	560	1000	680	
500	568-498	2.0	6.0	DN250 PN10	560	600	680	DN300 PN10	560	800	680	DN300 PN10	560	1000	680	
600	588-618	2.0	6.0	DN250 PN10	660	600	780	DN300 PN10	660	800	780	DN300 PN10	660	1000	780	
600	608-638	2.0	6.0	DN250 PN10	660	600	780	DN300 PN10	660	800	780	DN300 PN10	660	1000	780	
600	628-658	2.0	6.0	DN250 PN10	660	600	780	DN300 PN10	660	800	780	DN300 PN10	660	1000	780	
600	648-678	2.0	6.0	DN250 PN10	660	600	780	DN300 PN10	660	800	780	DN300 PN10	660	1000	780	
600	668-698	2.0	6.0	DN250 PN10	660	600	780	DN300 PN10	660	800	780	DN300 PN10	660	1000	780	
600	688-718	2.0	6.0	DN250 PN10	660	600	780	DN300 PN10	660	800	780	DN300 PN10	660	1000	780	
700	708-738	2.0	6.0	DN250 PN10	760	600	880	DN300 PN10	760	800	880	DN300 PN10	760	1000	880	
700	728-758	2.0	6.0	DN250 PN10	760	600	880	DN300 PN10	760	800	880	DN300 PN10	760	1000	880	
750	748-778	2.0	6.0	DN250 PN10	810	600	930	DN300 PN10	810	800	930	DN300 PN10	810	1000	930	
750	768-798	2.0	6.0	DN250 PN10	810	600	930	DN300 PN10	810	800	930	DN300 PN10	810	1000	930	

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Technical Information

Pressure Rating

- ▶ Water = In accordance the rating as defined in the tables.
- ▶ Gas = In accordance the rating as defined in the tables.

Vacuum Pressure

Capable of accommodating a vacuum pressure of -0.7 bar.

Site Test Pressure

1.5 times working pressure for short duration (2 hours).

Angularity

HandiTee fittings are not able to accommodate any angularity.

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M16; Torque = 95-120Nm on every bolt

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- ▶ EPDM = -20°C to +40°C
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Note: HandiTee is not suitable for use on heating systems with fluctuating temperatures

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HandiTee fittings DO NOT resist end load due to the internal pressure - adequate external restraint must be provided to prevent pipe pull out from the clamp.

Loads from Drilling Equipment and Valve / Branch Pipework

HandiTee is not designed to accommodate / resist the loads from the under pressure drilling equipment, which needs to be supported externally during the operation to drill into the main. In addition, the valve and branch pipework needs to be adequately supported to ensure none of the dead / live loads are imposed in the branch outlet in the HandiTee.

Approvals

The following water contact materials used in HandiTee are approved for use with potable water:-

- ▶ EPDM Gaskets; WRAS, AS/NZS 4020

Materials & Relevant Standards

Body & Plates

Shell, channel plate, bridging plate, lug plate & nut plate
Stainless Steel AISI 304 (A2)

Gasket

EPDM as standard, Nitrile option

Flange Outlets

Stainless Steel AISI 304, flanges according to DIN2576
varying from DN50 up to DN300

Bolts

Stainless Steel AISI 304 (A2); M16
(metric thread according DIN267),
thread is PTFE coated to prevent galling

Nuts

Stainless Steel AISI 304 (A2). M16 according DIN934

Washers

Stainless Steel BS1449:PART 2 GRADE 304S15

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When using HandiRange products on PE pipe, consideration to clamp length must be given, please contact the Viking Johnson Marketing Department for more details.