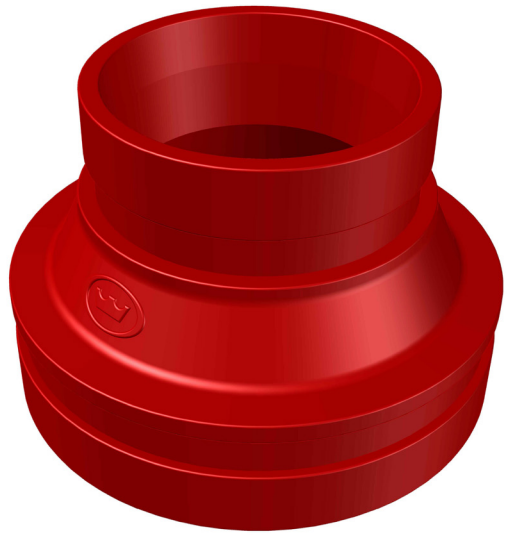
Grooved Products | Grooved Fittings | Concentric Reducer - Grooved | VK-CRG



SPECIFICATIONS	
Sizes (Nominal)	1-1/4" x 1" to 12" x 10" DN32 x DN25 to DN300 x DN250
Approvals*	UL FM APPROVED
Working pressure	16 bar (232 psi) to 34.5 bar (500 psi) (depending on size and approval)
Material	Ductile cast iron, ASTM A536 Grade 65-45-12
Finish	• Painted red** • Galvanised
Application	Water based fire-suppression systems
Installation	Refer to "Installation Manual"
Maintenance	Visual check

* Refer to table below for full approval listings
** Red epoxy available on request

Part numbers & technical data | VK-CRG

Nominal size		Pipe OD (mm)	Part number		Approvals		Max. working pressure (psi / bar)	
Inch	DN		Painted red	Galvanised	UL	FM	UL	FM
1-1/4 x 1	32 x 25	42.4 x 33.7	VK-CRG-042034P	VK-CRG-042034G	▪	-	400 / 27.6	-
1-1/2 x 1	40 x 25	48.3 x 33.7	VK-CRG-048034P	VK-CRG-048034G	▪	-	400 / 27.6	-
1-1/2 x 1-1/4	40 x 32	48.3 x 42.4	VK-CRG-042034P	VK-CRG-042034G	▪	-	232 / 16.0	-
2 x 1	50 x 25	60.3 x 33.7	VK-CRG-060034P	VK-CRG-060034G	▪	▪	400 / 27.6	500 / 34.5
2 x 1-1/4	50 x 32	60.3 x 42.4	VK-CRG-060042P	VK-CRG-060042G	▪	▪	400 / 27.6	500 / 34.5
2 x 1-1/2	50 x 40	60.3 x 48.3	VK-CRG-060048P	VK-CRG-060048G	▪	▪	400 / 27.6	500 / 34.5
2-1/2 x 1-1/4	65 x 32	73.0 x 42.4	VK-CRG-073042P	VK-CRG-073042G	▪	▪	400 / 27.6	300 / 20.7
2-1/2 x 1-1/2	65 x 40	73.0 x 48.3	VK-CRG-073048P	VK-CRG-073048G	▪	▪	400 / 27.6	300 / 20.7
2-1/2 x 2	65 x 50	73.0 x 60.3	VK-CRG-073060P	VK-CRG-073060G	▪	▪	400 / 27.6	300 / 20.7
3OD x 1	65 x 25	76.1 x 33.7	VK-CRG-076034P	VK-CRG-076034G	▪	-	400 / 27.6	-
3OD x 1-1/4	65 x 32	76.1 x 42.4	VK-CRG-076042P	VK-CRG-076042G	▪	▪	400 / 27.6	500 / 34.5
3OD x 1-1/2	65 x 40	76.1 x 48.3	VK-CRG-076048P	VK-CRG-076048G	▪	▪	400 / 27.6	500 / 34.5
3OD x 2	65 x 50	76.1 x 60.3	VK-CRG-076060P	VK-CRG-076060G	▪	▪	400 / 27.6	232 / 16.0
3 x 1-1/4	80 x 32	88.9 x 42.4	VK-CRG-089042P	VK-CRG-089042G	▪	▪	400 / 27.6	500 / 34.5
3 x 1-1/2	80 x 40	88.9 x 48.3	VK-CRG-089048P	VK-CRG-089048G	▪	▪	400 / 27.6	500 / 34.5
3 x 2	80 x 50	88.9 x 60.3	VK-CRG-089060P	VK-CRG-089060G	▪	▪	400 / 27.6	500 / 34.5
3 x 2-1/2	80 x 65	88.9 x 73.0	VK-CRG-089073P	VK-CRG-089073G	▪	▪	400 / 27.6	300 / 20.7
3 x 3OD	80 x 65	88.9 x 76.1	VK-CRG-089076P	VK-CRG-089076G	▪	▪	400 / 27.6	300 / 20.7
4 x 1-1/4	100 x 32	114.3 x 42.4	VK-CRG-114042P	VK-CRG-114042G	▪	▪	400 / 27.6	500 / 34.5
4 x 1-1/2	100 x 40	114.3 x 48.3	VK-CRG-114048P	VK-CRG-114048G	▪	▪	400 / 27.6	500 / 34.5

Table continued on next page

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Grooved Products | Grooved Fittings | Concentric Reducer - Grooved | VK-CRG

Part numbers & technical data | VK-CRG (*continued*)

Nominal size		Pipe OD (mm)	Part number		Approvals		Max. working pressure (psi / bar)	
Inch	DN		Painted red	Galvanised	UL	FM	UL	FM
4 x 2	100 x 50	114.3 x 60.3	VK-CRG-114060P	VK-CRG-114060G	▪	▪	400 / 27.6	500 / 34.5
4 x 2-1/2	100 x 65	114.3 x 73.0	VK-CRG-114073P	VK-CRG-114073G	▪	▪	400 / 27.6	300 / 20.7
4 x 3OD	100 x 65	114.3 x 76.1	VK-CRG-114076P	VK-CRG-114076G	▪	▪	400 / 27.6	500 / 34.5
4 x 3	100 x 80	114.3 x 88.9	VK-CRG-114089P	VK-CRG-114089G	▪	▪	400 / 27.6	500 / 34.5
5-1/2OD x 1-1/4	125 x 32	139.7 x 42.4	VK-CRG-139042P	VK-CRG-139042G	▪	▪	300 / 20.7	300 / 20.7
5-1/2OD x 1-1/2	125 x 40	139.7 x 48.3	VK-CRG-139048P	VK-CRG-139048G	▪	▪	300 / 20.7	300 / 20.7
5-1/2OD x 2	125 x 50	139.7 x 60.3	VK-CRG-139060P	VK-CRG-139060G	▪	▪	300 / 20.7	300 / 20.7
5-1/2OD x 3OD	125 x 65	139.7 x 76.1	VK-CRG-139076P	VK-CRG-139076G	▪	▪	300 / 20.7	300 / 20.7
5-1/2OD x 3	125 x 80	139.7 x 88.9	VK-CRG-139089P	VK-CRG-139089G	▪	▪	300 / 20.7	300 / 20.7
5-1/2OD x 4	125 x 100	139.7 x 114.3	VK-CRG-139114P	VK-CRG-139114G	▪	▪	300 / 20.7	232 / 16.0
5 x 2	125 x 50	141.3 x 60.3	VK-CRG-141060P	VK-CRG-141060G	▪	-	232 / 16.0	-
5 x 3OD	125 x 80	141.3 x 76.1	VK-CRG-141076P	VK-CRG-141076G	▪	-	232 / 16.0	-
5 x 4	125 x 100	141.3 x 114.3	VK-CRG-141114P	VK-CRG-141114G	▪	-	232 / 16.0	-
6-1/2OD x 2	150 x 50	165.1 x 60.3	VK-CRG-165060P	VK-CRG-165060G	▪	▪	300 / 20.7	300 / 20.7
6-1/2OD x 3OD	150 x 65	165.1 x 76.1	VK-CRG-165076P	VK-CRG-165076G	▪	▪	300 / 20.7	300 / 20.7
6-1/2OD x 3	150 x 80	165.1 x 88.9	VK-CRG-165089P	VK-CRG-165089G	▪	▪	300 / 20.7	300 / 20.7
6-1/2OD x 4	150 x 100	165.1 x 114.3	VK-CRG-165114P	VK-CRG-165114G	▪	▪	300 / 20.7	300 / 20.7
6-1/2OD x 5-1/2OD	150 x 125	165.1 x 139.7	VK-CRG-165139P	VK-CRG-165139G	-	▪	-	232 / 16.0
6-1/2OD x 5	150 x 125	165.1 x 141.3	VK-CRG-165141P	VK-CRG-165141G	▪	-	232 / 16.0	-
6 x 2	150 x 50	168.3 x 60.3	VK-CRG-168060P	VK-CRG-168060G	▪	▪	300 / 20.7	300 / 20.7
6 x 2-1/2	150 x 65	168.3 x 73.0	VK-CRG-168073P	VK-CRG-168073G	▪	▪	300 / 20.7	400 / 27.6
6 x 3OD	150 x 65	168.3 x 76.1	VK-CRG-168076P	VK-CRG-168076G	▪	▪	300 / 20.7	300 / 20.7
6 x 3	150 x 80	168.3 x 88.9	VK-CRG-168089P	VK-CRG-168089G	▪	▪	300 / 20.7	300 / 20.7
6 x 4	150 x 100	168.3 x 114.3	VK-CRG-168114P	VK-CRG-168114G	▪	▪	300 / 20.7	300 / 20.7
6 x 5-1/2OD	150 x 125	168.3 x 139.7	VK-CRG-168139P	VK-CRG-168139G	▪	-	300 / 20.7	-
8 x 2	200 x 50	219.1 x 60.3	VK-CRG-219060P	VK-CRG-219060G	▪	▪	300 / 20.7	400 / 27.6
8 x 2-1/2	200 x 65	219.1 x 73.0	VK-CRG-219073P	VK-CRG-219073G	▪	▪	300 / 20.7	400 / 27.6
8 x 3OD	200 x 65	219.1 x 76.1	VK-CRG-219076P	VK-CRG-219076G	▪	▪	300 / 20.7	400 / 27.6
8 x 3	200 x 80	219.1 x 88.9	VK-CRG-219089P	VK-CRG-219089G	▪	▪	300 / 20.7	400 / 27.6
8 x 4	200 x 100	219.1 x 114.3	VK-CRG-219114P	VK-CRG-219114G	▪	▪	300 / 20.7	232 / 16.0
8 x 5-1/2OD	200 x 125	219.1 x 139.7	VK-CRG-219139P	VK-CRG-219139G	▪	▪	300 / 20.7	232 / 16.0
8 x 5	200 x 125	219.1 x 141.3	VK-CRG-219141P	VK-CRG-219141G	▪	-	232 / 16.0	-
8 x 6-1/2OD	200 x 150	219.1 x 165.1	VK-CRG-219165P	VK-CRG-219165G	▪	▪	232 / 16.0	232 / 16.0
8 x 6	200 x 150	219.1 x 168.3	VK-CRG-219168P	VK-CRG-219168G	▪	▪	300 / 20.7	400 / 27.6
10 x 4	250 x 100	273.0 x 114.3	VK-CRG-273114P	VK-CRG-273114G	▪	▪	300 / 20.7	400 / 27.6
10 x 6-1/2OD	250 x 150	273.0 x 165.1	VK-CRG-273165P	VK-CRG-273165G	-	▪	-	232 / 16.0
10 x 6	250 x 150	273.0 x 168.3	VK-CRG-273168P	VK-CRG-273168G	▪	▪	300 / 20.7	400 / 27.6
10 x 8	250 x 200	273.0 x 219.1	VK-CRG-273219P	VK-CRG-273219G	▪	▪	300 / 20.7	400 / 27.6
12 x 4	300 x 100	323.9 x 114.3	VK-CRG-324114P	VK-CRG-324114G	-	▪	-	232 / 16.0
12 x 5-1/2OD	300 x 125	323.9 x 139.7	VK-CRG-324139P	VK-CRG-324139G	-	▪	-	232 / 16.0
12 x 6-1/2OD	300 x 150	323.9 x 165.1	VK-CRG-324165P	VK-CRG-324165G	-	▪	-	232 / 16.0
12 x 8	300 x 200	323.9 x 219.1	VK-CRG-324219P	VK-CRG-324219G	-	▪	-	232 / 16.0
12 x 10	300 x 250	323.9 x 273.0	VK-CRG-324273P	VK-CRG-324273G	-	▪	-	232 / 16.0

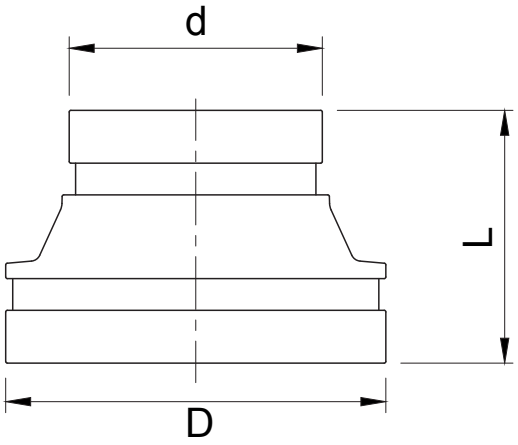
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Dimensional drawing



Dimensions | VK-CRG

Inch (D x d)	DN (D x d)	Pipe OD (mm)	L (mm)	Weight (kg)
1-1/4 x 1	32 x 25	42.4 x 33.7	64	0.2
1-1/2 x 1	40 x 25	48.3 x 33.7	64	0.3
1-1/2 x 1-1/4	40 x 32	48.3 x 42.4	64	0.3
2 x 1	50 x 25	60.3 x 33.7	64	0.3
2 x 1-1/4	50 x 32	60.3 x 42.4	64	0.3
2 x 1-1/2	50 x 40	60.3 x 48.3	64	0.3
2-1/2 x 1-1/4	65 x 32	73.0 x 42.4	64	0.4
2-1/2 x 1-1/2	65 x 40	73.0 x 48.3	64	0.4
2-1/2 x 2	65 x 50	73.0 x 60.3	64	0.5
3OD x 1-1/4	65 x 32	76.1 x 42.4	64	0.4
3OD x 1-1/2	65 x 40	76.1 x 48.3	64	0.4
3OD x 2	65 x 50	76.1 x 60.3	64	0.5
3 x 1-1/4	80 x 32	88.9 x 42.4	64	0.5
3 x 1-1/2	80 x 40	88.9 x 48.3	64	0.5
3 x 2	80 x 50	88.9 x 60.3	64	0.6
3 x 2-1/2	80 x 65	88.9 x 73.0	64	0.6
3 x 3OD	80 x 65	88.9 x 76.1	64	0.6
4 x 1-1/4	100 x 32	114.3 x 42.4	76	0.8
4 x 1-1/2	100 x 40	114.3 x 48.3	76	0.9
4 x 2	100 x 50	114.3 x 60.3	76	0.9
4 x 2-1/2	100 x 65	114.3 x 73.0	76	1.0
4 x 3OD	100 x 65	114.3 x 76.1	76	0.9
4 x 3	100 x 80	114.3 x 88.9	76	1.0
5-1/2OD x 1-1/4	125 x 32	139.7 x 42.4	89	1.1
5-1/2OD x 1-1/2	125 x 40	139.7 x 48.3	89	1.1
5-1/2OD x 2	125 x 50	139.7 x 60.3	89	1.1

Table continued on next page

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Dimensions | VK-CRG (*continued*)

Inch (D x d)	DN (D x d)	Pipe OD (mm)	L (mm)	Weight (kg)
5-1/2OD x 3OD	125 x 65	139.7 x 76.1	89	1.2
5-1/2OD x 3	125 x 80	139.7 x 88.9	89	1.2
5-1/2OD x 4	125 x 100	139.7 x 114.3	89	1.3
5 x 2	125 x 50	141.3 x 60.3	89	1.0
5 x 3	125 x 80	141.3 x 88.9	89	1.1
5 x 4	125 x 100	141.3 x 114.3	89	1.7
6-1/2OD x 2	150 x 50	165.1 x 60.3	102	1.9
6-1/2OD x 3OD	150 x 65	165.1 x 76.1	102	1.9
6-1/2OD x 3	150 x 80	165.1 x 88.9	102	1.8
6-1/2OD x 4	150 x 100	165.1 x 114.3	102	1.7
6-1/2OD x 5-1/2OD	150 x 125	165.1 x 139.7	102	2.0
6-1/2OD x 5	150 x 125	165.1 x 141.3	102	1.7
6 x 2	150 x 50	168.3 x 60.3	102	2.0
6 x 2-1/2	150 x 65	168.3 x 73.0	102	1.8
6 x 3OD	150 x 65	168.3 x 76.1	102	1.8
6 x 3	150 x 80	168.3 x 88.9	102	1.9
6 x 4	150 x 100	168.3 x 114.3	102	2.1
6 x 5-1/2OD	150 x 125	168.3 x 139.7	102	2.0
8 x 2	200 x 50	219.1 x 60.3	127	3.1
8 x 2-1/2	200 x 65	219.1 x 73.0	127	3.3
8 x 3OD	200 x 65	219.1 x 76.1	127	3.7
8 x 3	200 x 80	219.1 x 88.9	127	3.5
8 x 4	200 x 100	219.1 x 114.3	127	3.1
8 x 5-1/2OD	200 x 125	219.1 x 139.7	127	3.5
8 x 5	200 x 125	219.1 x 141.3	127	3.2
8 x 6-1/2OD	200 x 150	219.1 x 165.1	127	3.8
8 x 6	200 x 150	219.1 x 168.3	127	3.7
10 x 4	250 x 100	273.0 x 114.3	152	5.5
10 x 6-1/2OD	250 x 150	273.0 x 165.1	152	7.2
10 x 6	250 x 150	273.0 x 168.3	152	6.6
10 x 8	250 x 200	273.0 x 219.1	152	6.4
12 x 4	300 x 100	323.9 x 114.3	178	8.5
12 x 5-1/2OD	300 x 125	323.9 x 139.7	178	8.7
12 x 6-1/2OD	300 x 150	323.9 x 165.1	178	8.8
12 x 8	300 x 200	323.9 x 219.1	178	9.8
12 x 10	300 x 250	323.9 x 273.0	178	11.5

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