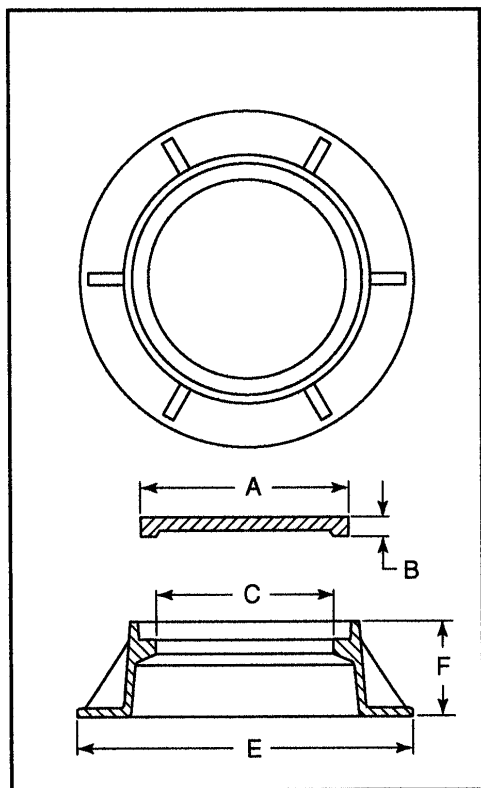


Manhole Frames and Lids

The following table summarizes many of the standard and special manhole frames and lids currently available. The table is organized by clear opening "C" to assist you in dimensional searching. All catalog items are organized numerically in the pages that follow.

Catalog No.	Dimensions in inches				
	A	B	C	E	F
R-1909-6	6 1/2	1 1/2	5 1/16	7 7/16	6 1/2
R-1970	7	2 1/8	5 3/4	13 1/8	7
R-1971	8	3/4	6 1/2	10 1/2	10
R-1973-1	7 3/4	3/4	6 3/4	13 1/4	7
R-1973-A	8 7/8	11/16	7 3/4	15 3/4	8
R-1974-A	9	1	8	16	6 1/2
R-1792-AL	10 1/4	1 1/2	8 1/2	14 1/2	4
R-1975	9 1/2	1/2	8 1/2	20	11
R-1977	11 1/2	1 1/2	8 1/2	16	12
R-1975-A	9 7/8	7/8	9	15 1/2	6
R-1975-A2	10	1	9 1/4	16	8
R-1976	11 1/4	1 1/4	10	20	8
R-1791-A	12	1	11	19	4
R-1795-A	12 1/16	1	11	19 x 19	4
R-1914-A	12	1/2	11	20	4
R-1914-B	12	1/2	11	20	4
R-1916-A	12	1 1/8	11	19	4
R-1792-BL	13 1/4	1 1/2	11 1/2	17 1/2	4
R-1911-B	15	1	11 3/4	27 1/4	4
R-1748	13 3/8	3/8	12 1/2	16	4
R-1791-B	15 1/4	3/8	14 1/2	20 1/2	4 1/4
R-1792-CL	16 1/4	1 1/2	14 1/2	20 1/2	4
R-1910-E	15 1/4	3/8	14 1/2	20 1/2	4 3/4
R-1910-B	15 5/8	1 3/8	14 11/16	23	4 11/16
R-1791-C	15 5/8	1 3/8	14 3/4	21	4 3/4
R-1910-C	15 5/8	1 3/8	14 3/4	21	4 3/4
R-1795-B	15 5/8	1 3/8	15	23 x 23	5
R-1910-D	15 5/8	1 3/8	15	22	3
R-1891	16 9/16	1	15 1/8	21 3/4	4 3/8

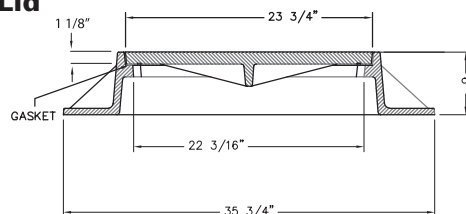


Catalog No.	Dimensions in inches				
	A	B	C	E	F
R-1792-DL	18 1/4	1 1/2	16 1/2	22 1/2	4
R-1900-A	18	1 1/4	16 3/4	30	8
R-1791-E	18	1	17	25	4 1/2
R-1910-A	18	1	17	25	4 1/2
R-1916-B	18	1	17	25	4 1/2
R-1799-D	19 3/4	1	17 1/2	21 3/4	1 5/8
R-1795-C	19 1/2	1 1/2	17 3/4	29 1/2 x 29 1/2	5 1/2
R-1566	20	2 3/16	18	29	4
R-1755-B	23	1 1/2	18	36	9
R-1758-B	23	1 1/2	18	36	9
R-1791-F	20 1/2	5/8	18	30	5
R-1791-G	19 1/2	1 1/2	18	29	5 1/2
R-1796-B	19 1/2	1 1/2	18	29	5 1/2
R-1799-E	19 1/2	1 1/2	18	21 1/4	2
R-1892	20 1/16	1	18 5/8	29	5 3/8
R-1645-A	20 3/8	1 1/2	18 7/8	19 5/8	4
R-1551	21 1/8	1 3/8	19 1/2	37	9 5/8
R-1890	20 5/8	3/4	19 1/2	34	9
R-1920	21 3/4	1	19 3/4	32 1/4	8 3/4
R-1500	22	1 1/2	20	33	8
R-1510-A	22	1 1/2	20	32	6
R-1645	22 3/4	1 3/4	20	25	4 1/2
R-1700-A	22	1 1/2	20	36	6 1/2
R-1705	21 3/4	1 3/8	20	30	9 3/4
R-1707	22 1/2	1 1/2	20	34	9 1/2
R-1710	22	1 1/2	20	35	9
R-1755-C	24	1 1/2	20	35	7 1/2
R-1758-C	24	1 1/2	20	35	7 1/2
R-1765	22 1/4	1 1/2	20	32	8 3/4
R-1784	21 3/4	1 1/8	20	36	8 1/2
R-1795-D	22	1 1/2	20	32 x 32	6
R-1795-E	22	1 1/2	20	33 x 33	8
R-1796-C	22	1 1/2	20	32	6
R-1897	21 3/4	1 1/4	20	30 1/2 x 30 1/2	6 1/4
R-1915-S1	21 1/2	7/8	20 1/16	32	5
R-1661	22 3/4	1 1/2	20 3/32	37 13/32	9 27/32
R-1661-A	22 3/4	1 1/2	20 3/32	37 13/32	6
R-1570-A	22 7/8	1 1/4	20 1/8	32	7
R-1524-B	22 1/2	2 5/8	20 1/4	34 1/4	6 1/4
R-1799-G	22 1/4	1 1/2	20 3/8	24 3/8	2 1/4
R-1690	22	1 1/2	20 15/32	27 9/16	4
R-1580	22 1/2	1 3/4	20 1/2	36	6
R-1689	23	1 1/2	20 1/2	36	4
R-1690-A	22	1 1/2	20 1/2	28	4
R-1696	21 7/8	5/8	20 1/2	39	6
R-1711-A	22	1 1/2	20 1/2	30	6
R-1711-B	22	1 1/2	20 1/2	30	6
R-1761	22	1 1/2	20 1/2	28 1/4	6
R-1779	21 3/4	1	20 1/2	33	8 1/4
R-1792-EL	22 1/4	1 1/2	20 1/2	26 1/2	4
R-1799-H	22 3/4	1 3/4	20 1/2	25 1/2	3
R-1916-C1	24	1 3/8	20 5/8	31	6
R-1537	22 1/4	1	20 3/4	24 7/8	4
R-1919	22 3/4	1 3/4	20 3/4	32 3/8	5 1/2
R-1530	23	1 3/4	20 7/8	36	9
R-1540	23	1 1/2	21	36	9
R-1916-C	23	1 1/2	21	36	9
R-1550-LM	23	1 1/2	21	36	9
R-1672	22 3/4	1 3/4	21	31 1/8	14 1/2
R-1677-A	22 3/4	1 3/4	21	36	9
R-1680	22 5/8	2 1/4	21	32	7
R-1712	22 3/4	1 3/4	21	36	9
R-1713	22 3/4	1 3/4	21	34	9
R-1715	22 3/4	1 3/4	21	36	9
R-1737	22 1/4	1 1/8	21	24 7/8	4

NEW

R-1495-EB Manhole Frame, Bolted and Gasketed Solid Lid

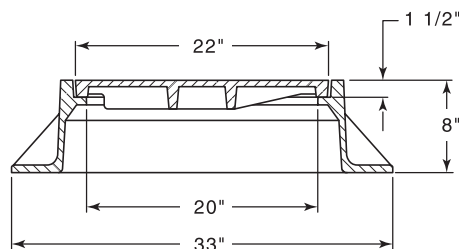
Heavy Duty



R-1500 Manhole Frame, Solid Lid

Heavy Duty

Non-Rocking feature available, see p. 12.

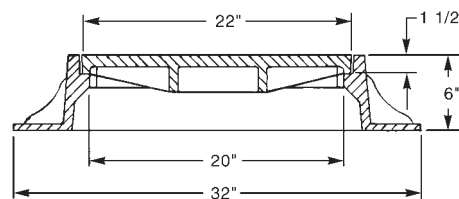


Available Grate: **R-2100**
(see **Inlet Frames & Grates. R-2000 Series** table)

R-1510-A Manhole Frame, Solid Lid

Heavy Duty

Non-Rocking feature available, see p. 12.

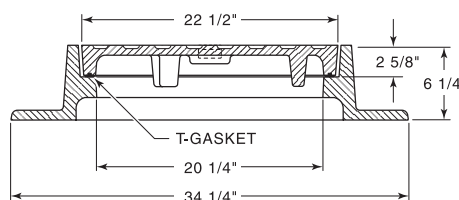


Available Grate: **R-2110**
(see **Inlet Frames & Grates. R-2000 Series** table)

R-1524-B Manhole Frame, Solid Gasketed Lid

Heavy Duty

T-Seal gasket standard, see p. 12.



Available Grate: **R-2424-A**
(see **Inlet Frames & Grates. R-2000 Series** table)

■ Note: When specifying/ordering grates, refer to "Choosing the Proper Inlet Grate" on pages 125-126.
For a complete listing of FREE OPEN AREAS and WEIR PERIMETERS of all NEENAH grates, refer to pages 327-332.

INLET FRAMES AND GRATES STANDARD AND SPECIAL SIZES

The table shown below summarizes the various standard and special inlet frames and grates currently available. The reference column in most cases identifies the summary number and size with an illustrated number, which is essentially the same casting. These catalog numbers are listed in numerical sequence in subsequent pages of this catalog. The type grate column indicates the standard grate style for the size you have chosen. Other grate types as shown on page 90 may also be available for the catalog number you have selected. For verification of alternate grate styles, check with your Neenah representative or contact our main office in Neenah, Wisconsin.

All inlet castings are furnished with machined bearing surfaces unless otherwise noted.

Those catalog numbers marked with an asterisk are available with our Non-Rocking feature.

Free open area and interactive hydraulic calculations for most grates in this section are available at www.nfco.com.

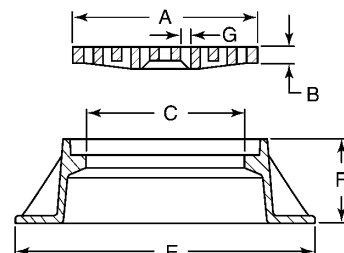
Sorted by Catalog Reference

Catalog Reference	Dimensions in inches						Grate Type	Frame Reference
	A	B	C	E	F	G		
R-2014 *	22 3/4	1 3/4	21	34	9	-	D, C, E	R-2504
R-2030	23	1 3/4	20 7/8	36	9	1 1/8 to 1 1/2	D	R-1530
R-2050 *	23	1 1/2	21 1/16	35 7/16	8 7/8	-	D, C, F, G	R-1550-A
R-2060 *	22	1 1/2	20	36	6 1/2	-	C, A, B	R-1700-A
R-2070 *	23	1 1/2	21 1/16	35 7/16	8 7/8	-	G, D	R-1550-A
R-2080 *	22 1/2	1 3/4	20 1/2	36	6	-	D, B, C	R-2540
R-2090 *	22	1 1/2	20	35	9	-	A, B, C, E, G	R-2533
R-2100 *	22	1 1/2	20	33	8	-	C, A, E, F, G	R-1500
R-2110 *	22	1 1/2	20	32	6	-	A, E	R-1510-A
R-2112	22	1 1/2	20 1/2	28 1/4	6	-	C, A, B, E, F, G	R-1761
R-2120	22	1 1/2	20 15/32	27 9/16	3 15/16	-	C, A, F, G	R-2510
R-2250	38	1 1/2	36	49	10	1 x 8	G	R-2580-C
R-2251	36	1 1/2	34	45	8 5/8	1	G	R-1752
R-2255	32	1 3/8	30	46	10	-	C, G	R-1640-CS
R-2270	32	1 1/2	30	46	7	-	G, C	R-2580-A
R-2275	32	1 3/8	30	46	5 5/8	1 x 6 1/4	G	R-1640-C1S
R-2290	29	1 3/8	27	46	10	-	Special	R-1640-B
R-2290-A	29	1 3/8	27	46	5 5/8	-	Special	R-1640-B1
R-2290-B	28 3/4	1 3/8	27 1/8	37 1/4	7	-	Special	R-1753-A
R-2293	27 1/2	1	25 3/4	34 1/2	4	7/8	G	R-1773
R-2296	25 3/4	7/8	24	35 7/16	7	-	B, C, F	R-2577
R-2297	25 3/4	7/8	24 1/8	35 1/2	8	-	B, C, F	R-2577-A
R-2298	25 3/4	7/8	24 1/8	35 1/2	9	1 1/8	B	R-2577-B
R-2299	25 3/4	7/8	24 1/8	35 1/2	10	-	B, C, F	R-2577-C
R-2300	26	1 3/8	24	43	10	-	G, C	R-1640-A
R-2370	26	1 1/2	24 1/8	35 7/8	6 15/16	-	G, A, C, F, Q	R-2501
R-2371	25 3/4	1 1/2	24	35	7 1/2	1	G	R-1643
R-2373	25 3/4	1	23 13/16	34 3/16	8	-	C	R-1922
R-2390	25 3/4	7/8	23	30 1/2	7	-	C	R-1590
R-2395-1	25 1/4	1 1/2	24	35 1/4	8	1 1/8	G	R-1769-A
R-2398	25 3/4	1, 7/8	23 5/8	31 7/8	8	1 1/8	G, F	R-2572
R-2401	26	1 7/8	23 1/2	35 3/4	8	1	G	R-1723
R-2401-A	24 3/4	1	23 3/8	33 1/4	7	3/4	G	R-1777
R-2402	24 3/4	1	22 5/8	36	7 1/4	-	C, G	R-1671
R-2404	25 5/8	2	23	38	10 1/2	1 1/16	G	R-2650
R-2405 *	25	1 1/2	23	38	9	-	C, A	R-1760

* Available with Non-Rocking feature if specified.

** Furnished standard with Non-Rocking feature.

*** Light Duty.



■ Note: When specifying/ordering grates, refer to “Choosing the Proper Inlet Grate” on pages 125-126.
For a complete listing of FREE OPEN AREAS and WEIR PERIMETERS of all NEENAH grates, refer to pages 327-332.

Catalog Reference	Dimensions in inches						Grate Type	Frame Reference
	A	B	C	E	F	G		
R-2112	22	1 1/2	20 1/2	28 1/4	6	-	C, A, B, E, F, G	R-1761
R-2461-A	22	1 1/2	20 1/2	30	6	-	A, B, C, F	R-1711-A
R-2510-A	22	1 1/2	20 1/2	28 1/4	6	-	Beehive	R-1761
R-2560-C2	22	1 1/2	20 1/2	28 1/4	6	-	Beehive	R-1761
R-2560-D2	22	1 1/2	20 1/2	28 1/4	6	-	Beehive	R-1761
R-2564	22	1 1/2	20 1/2	28 1/4	6	-	Beehive	R-1761
R-2563	22	1 1/2	20 15/32	27 9/16	3 15/16	-	Beehive	R-1690
R-2510	22	1 1/2	20 15/32	27 9/16	3 15/16	-	C, A, E	R-1690
R-2120	22	1 1/2	20 15/32	27 9/16	3 15/16	-	C, A, F, G	R-2510
R-2560-C1	22	1 1/2	20 15/32	27 9/16	3 15/16	-	Beehive	R-1690
R-2560-D1	22	1 1/2	20 15/32	27 9/16	3 15/16	-	Beehive	R-1690
R-2571-A	22	1 1/2	20 15/32	27 9/16	3 15/16	1 3/8	F	R-1690
R-2586-G	22 1/4	1 1/2	20 3/8	24 3/8	2 1/4	1	G	R-1799-G
R-2535-A	22	1 1/2	20 3/8	32	4	-	C, A, B, F	n/a
R-2424-A	22 1/2	2 5/8	20 1/4	34 1/4	6 1/4	1 1/8	G	R-1524-B
R-2534	22 7/8	1 1/4	20 1/8	32	7	-	C	R-1570-A
R-2471 *	22 3/4	1 1/2	20 3/32	37 13/32	9 27/32	-	D, E	R-1661
R-2565-C	23	1 1/4	20	29 3/4	4	1 3/8	G	R-6052-C
R-2549	22 3/4	1 3/4	20	25	4 1/2	-	D, E	R-1645
R-2467	22 3/4	1 1/2	20	38	10	-	D, C, E	n/a
R-2471-B	22 1/2	1 1/2	20	34	9 1/2	-	D	R-1707
R-2466-A	22	1 1/2	20	32	8 3/4	-	B, E	R-1765
R-2060 *	22	1 1/2	20	36	6 1/2	-	C, A, B	R-1700-A
R-2090 *	22	1 1/2	20	35	9	-	A, B, C, E, G	R-2533
R-2100 *	22	1 1/2	20	33	8	-	C, A, E, F, G	R-1500
R-2110 *	22	1 1/2	20	32	6	-	A, E	R-1510-A
R-2475 *	22	1 1/2	20	36	6 1/2	-	C, A, B	R-1700-A
R-2533 *	22	1 1/2	20	35	9	-	A, B, C, E, G	R-1710
R-2535	22	1 1/2	20	32	6	-	C, A, B, F	R-1510-A
R-2560-D	22	1 1/2	20	35	9	-	Beehive	R-1710
R-2560-D3	22	1 1/2	20	35	9	-	Beehive	R-1710
R-2571-B	22	1 1/2	20	32	6	1 3/8	F	R-1510-A
R-2571-C	22	1 1/2	20	35	9	1 3/8	F	R-1710
R-2579	22	1 1/2	20	35	9	1 1/4	B	R-1710
R-2588-A	21 15/16	1 1/2	20	26	2 1/4	1 9/16	G	n/a
R-2474	21 3/4	1 1/8	20	36	8 1/2	-	A, E, G	R-1784
R-2481	21 3/4	1	19 3/4	32 1/4	8 3/4	-	A, Beehive	R-1920
R-2586-F	20 1/2	3/4	18 3/4	23	1 1/4	1	G	n/a
R-2565-A	21	2 1/2	18	27 1/2	5	1 1/4	G	R-6052-A
R-2525-F	20 1/2	5/8	18	30	5	1	G	R-1791-F
R-2570	20 1/2	5/8	18	30	5	1	G	R-1791-F
R-2494	19 1/2	1 1/2	18	29	5 1/2	3/4	G	R-2525-G***
R-2525-G	19 1/2	1 1/2	18	29	5 1/2	3/4	G	R-1791-G
R-2586-E	19 1/2	1 1/2	18	21 1/4	2	3/4	G	n/a
R-2586-D	19 3/4	1	17 1/2	21 3/4	1 5/8	1	G	n/a
R-2496	18	1	17	25	4 1/2	1 1/8	G	R-2525-E
R-2525-E	18	1	17	25	4 1/2	1 1/8	G	R-1791-E
R-2560-C	18 1/4	1 1/4	16 3/4	30	8	-	Beehive	R-1900-A
R-2586-C	18	3/4	16	19 1/4	1 1/4	7/8	E	n/a
R-2498-B	15 3/4	1 3/8	15	22	3	3/4	G	R-1910-D
R-2510-1	15 3/4	1 3/8	15	22	3	3/4	G	R-1910-D
R-2525-C	15 3/4	1 3/8	14 3/4	21	4 3/4	3/4	G	R-1910-C
R-2498-A	15 3/4	1 3/8	14 3/4	21	4 3/4	3/4	G	R-2525-C
R-2525-D	15 3/4	1 3/8	14 11/16	23	4 11/16	3/4	G	R-1910-B
R-2498	15 3/4	1 3/8	14 11/16	23	4 11/16	3/4	G	R-2525-D
R-2569	16 x 16	1/2	14 x 14	27	5	1/2	Q	n/a
R-2586-B	16	1	13 1/2	18 1/4	1 5/8	1 1/8	G	n/a
R-2586-A	14 1/4	3/4	13	16	1 1/2	7/8	E	n/a
R-2499	12	1	11	19	4	1	G	R-2525-A
R-2525-A	12	1	11	19	4	1	G	R-1791-A
R-2560-A	12	1	11	19	4	-	Beehive	R-1791-A