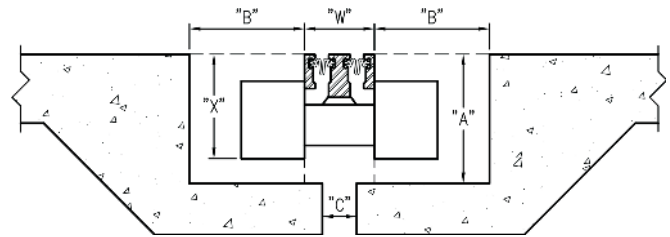




### Expansion Joint Systems

## Joint Selection and Design Data for Steelflex® Modular Expansion Joint Systems

Selection of the proper Steelflex® Modular Expansion Joint System is based primarily on the anticipated structural movement at the joint location. For joint assemblies oriented perpendicular to the structural movement, simply select the Steelflex® Modular Expansion Joint System with a total movement range larger than the anticipated structural movement. Joint assemblies installed on curved or skewed structures require the calculation of structural movements parallel and perpendicular to the joint assembly. The largest



of these two movements should be used to select the appropriate Steelflex® Modular Expansion Joint System.

The table below provides expansion joint assembly and blockout dimensions for a wide range of Steelflex® Modular Expansion Joint Sizes.

Joint Device Symbol	Model Number	Total Movement	Cells	"A" Blockout Depth*	"B" Blockout Width	"C" @ Mid Temp	"W" @ Mid Temp	"X"
	D-160	<b>6.30</b> (160)	2	<b>14</b> (356)	<b>14</b> (356)	<b>3.35-8.17</b> (85)-(208)	<b>8.17</b> (208)	<b>12.2</b> (310)
	D-240	<b>9.45</b> (240)	3	<b>14</b> (356)	<b>17</b> (432)	<b>4.92-12.24</b> (125)-(311)	<b>12.24</b> (311)	<b>12.2</b> (310)
	D-320	<b>12.60</b> (320)	4	<b>14</b> (356)	<b>20</b> (508)	<b>6.50-16.32</b> (165)-(415)	<b>16.32</b> (415)	<b>12.2</b> (310)
	D-400	<b>15.75</b> (400)	5	<b>14</b> (356)	<b>23</b> (584)	<b>8.07-20.39</b> (205)-(519)	<b>20.39</b> (519)	<b>12.2</b> (310)
	D-480	<b>18.90</b> (480)	6	<b>15</b> (381)	<b>27</b> (686)	<b>9.65-24.47</b> (245)-(622)	<b>24.47</b> (622)	<b>12.8</b> (325)
	D-560	<b>22.05</b> (560)	7	<b>15</b> (381)	<b>30</b> (762)	<b>11.22-28.54</b> (285)-(725)	<b>28.54</b> (725)	<b>13.0</b> (333)
	D-640	<b>25.20</b> (640)	8	<b>15.5</b> (394)	<b>33</b> (838)	<b>12.80-32.62</b> (325)-(829)	<b>32.62</b> (829)	<b>13.5</b> (343)
	D-720	<b>28.35</b> (720)	9	<b>16</b> (406)	<b>37</b> (940)	<b>14.37-36.69</b> (365)-(932)	<b>36.69</b> (932)	<b>13.9</b> (353)

Dimensions are based on design provisions in NCHRP Report 402. Dimensions are based on 0 degree skew. Bold numbers represent inches; metric (mm) shown in parentheses. Shallower depths (X) may be possible upon special request

\*Blockout Depth dimension "A", includes approximately 2" of clearance between the support box and bottom of blockout; less than 2" requires grout pads, 3" or greater recommended.



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