

TECHNICAL DATA SHEET

DS 047

NON CONTROLLED UNLESS STATED OTHERWISE

QCF 56 Issue 3

PAGE

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ISSUE

6

DATE

6 February 2006

APPROVED

A.N.M

TITLE.

Characteristics for Steel Spring Isolators Type ODS and ODL.

1. TYPE ODS.

For isolator details refer to Leaflet No. PL027

SIZE	RATE (N/mm)	MAX LOAD (kg)	STANDARD ADJUSTING SCREW SIZE (mm)	X ₁	X _{min}
<i>A 1/2</i>	<i>9.8</i>	<i>30</i>	<i>M12 x 90</i>	<i>43</i>	<i>35</i>
<i>A1</i>	<i>18.2</i>	<i>55</i>	<i>M12 x 90</i>	<i>53</i>	<i>46</i>
<i>A2</i>	<i>39.2</i>	<i>102</i>	<i>M12 x 90</i>	<i>53</i>	<i>50</i>
<i>B2A</i>	<i>39.2</i>	<i>102</i>	<i>M16 x 100</i>	<i>60</i>	<i>54</i>
<i>B3</i>	<i>71.2</i>	<i>185</i>	<i>M16 x 100</i>	<i>60</i>	<i>57</i>
<i>B5</i>	<i>107.7</i>	<i>280</i>	<i>M16 x 100</i>	<i>60</i>	<i>57</i>
B100	39.3	125	M16 x 100	46	29
B200	78.5	200	M16 x 100	53	43
B300	117.7	300	M16 x 100	53	43
B400	156.9	400	M16 x 100	53	47
B500	196.2	500	M16 x 100	53	47
B600	235.4	600	M16 x 100	53	50
B700	282.2	700	M16 x 100	53	50
B800	321.4	800	M16 x 100	53	51
B1000	392.4	1000	M16 x 100	53	51
<i>C5A</i>	<i>107.7</i>	<i>280</i>	<i>M20 x 100</i>	<i>50</i>	<i>45</i>
<i>C7</i>	<i>146.2</i>	<i>380</i>	<i>M20 x 100</i>	<i>50</i>	<i>46</i>
<i>C10</i>	<i>196.2</i>	<i>510</i>	<i>M20 x 100</i>	<i>50</i>	<i>48</i>
D10A	196.2	510	M24 x 120	63	58
D15	240.4	625	M24 x 120	70	60
D20	305.8	795	M24 x 120	70	58
D25	392.4	1020	M24 x 120	70	58
D30	480.9	1250	M24 x 120	70	60
<i>E24</i>	<i>480.9</i>	<i>1250</i>	<i>M24 x 120</i>	<i>59</i>	<i>38</i>
<i>E31</i>	<i>611.7</i>	<i>1590</i>	<i>M24 x 120</i>	<i>59</i>	<i>45</i>
<i>E38</i>	<i>742.5</i>	<i>1930</i>	<i>M24 x 120</i>	<i>59</i>	<i>41</i>
<i>E45</i>	<i>789.0</i>	<i>2044</i>	<i>M24 x 120</i>	<i>59</i>	<i>49</i>

Items in Italics are made from components no longer stocked or in some cases are obsolete.

Horizontal Stiffness: current ODS B range is 0.8 x vertical rate : ODS D range is 1.25 x vertical rate.

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2 TYPE ODL.

For isolator details refer to Leaflet No. PL027

SIZE	RATE (N/mm)	MAX LOAD (kg)	STANDARD ADJUSTING SCREW SIZE (mm)	X ₁	X _{min}
<i>A 1/2</i>	<i>19.0</i>	<i>26</i>	<i>M12 x 80</i>	<i>45</i>	<i>31</i>
<i>A1</i>	<i>39.2</i>	<i>52</i>	<i>M12 x 80</i>	<i>50</i>	<i>39</i>
<i>A2</i>	<i>78.5</i>	<i>104</i>	<i>M12 x 80</i>	<i>50</i>	<i>45</i>
<i>A3</i>	<i>137.3</i>	<i>182</i>	<i>M12 x 80</i>	<i>50</i>	<i>47</i>
<i>A5</i>	<i>206.0</i>	<i>273</i>	<i>M12 x 80</i>	<i>50</i>	<i>47</i>
<i>B5A</i>	<i>206.0</i>	<i>273</i>	<i>M16 x 100</i>	<i>67</i>	<i>59</i>
<i>B7</i>	<i>225.1</i>	<i>338</i>	<i>M16 x 100</i>	<i>67</i>	<i>63</i>
<i>B10</i>	<i>294.3</i>	<i>390</i>	<i>M16 x 100</i>	<i>67</i>	<i>59</i>
C10A	392.4	520	M20 x 100	57	51
C15	480.7	637	M20 x 100	57	54
C20	613.1	806	M20 x 100	57	52
C25	784.8	1040	M20 x 100	57	52
C30	961.4	1274	M20 x 100	57	52
D30A	961.4	1274	M24 x 100	54	43
D40	1226.2	1625	M24 x 100	54	46
D50	1530.4	2028	M24 x 100	54	46
D60	1775.6	2353	M24 x 100	54	44
G60A	961.4	2500	M24 x 100	54	43
G80	1226.2	3200	M24 x 100	54	46
G100	1530.4	4000	M24 x 100	54	46
G120	1775.6	4600	M24 x 100	54	44

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Horizontal Stiffness: current ODL range is 1.3 x vertical rate.



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