

# 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 <sub>1</sub>	X <sub>min</sub>
<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>
<b>B100</b>	<b>39.3</b>	<b>125</b>	<b>M16 x 100</b>	<b>46</b>	<b>29</b>
<b>B200</b>	<b>78.5</b>	<b>200</b>	<b>M16 x 100</b>	<b>53</b>	<b>43</b>
<b>B300</b>	<b>117.7</b>	<b>300</b>	<b>M16 x 100</b>	<b>53</b>	<b>43</b>
<b>B400</b>	<b>156.9</b>	<b>400</b>	<b>M16 x 100</b>	<b>53</b>	<b>47</b>
<b>B500</b>	<b>196.2</b>	<b>500</b>	<b>M16 x 100</b>	<b>53</b>	<b>47</b>
<b>B600</b>	<b>235.4</b>	<b>600</b>	<b>M16 x 100</b>	<b>53</b>	<b>50</b>
<b>B700</b>	<b>282.2</b>	<b>700</b>	<b>M16 x 100</b>	<b>53</b>	<b>50</b>
<b>B800</b>	<b>321.4</b>	<b>800</b>	<b>M16 x 100</b>	<b>53</b>	<b>51</b>
<b>B1000</b>	<b>392.4</b>	<b>1000</b>	<b>M16 x 100</b>	<b>53</b>	<b>51</b>
<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>
<b>D10A</b>	<b>196.2</b>	<b>510</b>	<b>M24 x 120</b>	<b>63</b>	<b>58</b>
<b>D15</b>	<b>240.4</b>	<b>625</b>	<b>M24 x 120</b>	<b>70</b>	<b>60</b>
<b>D20</b>	<b>305.8</b>	<b>795</b>	<b>M24 x 120</b>	<b>70</b>	<b>58</b>
<b>D25</b>	<b>392.4</b>	<b>1020</b>	<b>M24 x 120</b>	<b>70</b>	<b>58</b>
<b>D30</b>	<b>480.9</b>	<b>1250</b>	<b>M24 x 120</b>	<b>70</b>	<b>60</b>
<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 <sub>1</sub>	X <sub>min</sub>
<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>
<b>C10A</b>	<b>392.4</b>	<b>520</b>	<b>M20 x 100</b>	<b>57</b>	<b>51</b>
<b>C15</b>	<b>480.7</b>	<b>637</b>	<b>M20 x 100</b>	<b>57</b>	<b>54</b>
<b>C20</b>	<b>613.1</b>	<b>806</b>	<b>M20 x 100</b>	<b>57</b>	<b>52</b>
<b>C25</b>	<b>784.8</b>	<b>1040</b>	<b>M20 x 100</b>	<b>57</b>	<b>52</b>
<b>C30</b>	<b>961.4</b>	<b>1274</b>	<b>M20 x 100</b>	<b>57</b>	<b>52</b>
<b>D30A</b>	<b>961.4</b>	<b>1274</b>	<b>M24 x 100</b>	<b>54</b>	<b>43</b>
<b>D40</b>	<b>1226.2</b>	<b>1625</b>	<b>M24 x 100</b>	<b>54</b>	<b>46</b>
<b>D50</b>	<b>1530.4</b>	<b>2028</b>	<b>M24 x 100</b>	<b>54</b>	<b>46</b>
<b>D60</b>	<b>1775.6</b>	<b>2353</b>	<b>M24 x 100</b>	<b>54</b>	<b>44</b>
<b>G60A</b>	<b>961.4</b>	<b>2500</b>	<b>M24 x 100</b>	<b>54</b>	<b>43</b>
<b>G80</b>	<b>1226.2</b>	<b>3200</b>	<b>M24 x 100</b>	<b>54</b>	<b>46</b>
<b>G100</b>	<b>1530.4</b>	<b>4000</b>	<b>M24 x 100</b>	<b>54</b>	<b>46</b>
<b>G120</b>	<b>1775.6</b>	<b>4600</b>	<b>M24 x 100</b>	<b>54</b>	<b>44</b>

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

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



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