

## **LIGHT SERIES SUPPORT HANGER UNITS**

Timken hanger units are the optimum solution for the support of screw conveyor shafts. The unit is comprised of a cast iron split housing into which expansion-type split cylindrical roller bearings are fitted. Provision of a drilled and tapped boss in one half of the housing allows for the unit to be mounted from the conveyor cross bracing or any other suitable surface. It is recommended that some form of swivel fixing be incorporated into the mounting arrangement to allow for static alignment.

Due to the arduous conditions often found in screw conveyor applications, correct seal selection is critical. Timken hanger units are available with many sealing variants, all of which can

also be tailored to suit specific applications. When integrating hanging units into new applications, it should be noted that a maximum radial load equivalent to 0.3  $C_{or}$  is permissible. Only suitable for an expansion (BX) type bearings. Please contact a Timken engineer for further information.

Hanger units have two seal grooves per side. They are supplied with double felt seals as standard. However, the standard seal groove will accept any combination of strip seal.

A further option is to have a tapped hole between the seal grooves at each end of the housing to incorporate a grease or air supply to purge the seals.

Shaft (d)		Support Reference		C	G	L	H	X <sup>(1)</sup>	Y
mm	in.	mm	in.	mm in.	mm in.	mm in.	mm in.	mm in.	mm in.
<b>35</b> <b>40</b>	1 <sup>3</sup> / <sub>16</sub> 1 <sup>1</sup> / <sub>4</sub> 1 <sup>7</sup> / <sub>16</sub> 1 <sup>1</sup> / <sub>2</sub>	LSM35HG LSM40HG	LSE103HG LSE104HG LSE107HG LSE108HG	<b>55.0</b> 2.165	<b>106</b> 4.2	<b>108</b> 4.3	<b>66</b> 2.6	<b>M30</b> 1 - 8 UNC	<b>50</b> 2.0
<b>45</b> <b>50</b>	1 <sup>11</sup> / <sub>16</sub> 1 <sup>3</sup> / <sub>4</sub> 1 <sup>13</sup> / <sub>16</sub> 2	LSM45HG LSM50HG	LSE111HG LSE112HG LSE115HG LSE200HG	<b>60.0</b> 2.362	<b>121</b> 4.8	<b>108</b> 4.3	<b>76</b> 3.0	<b>M30</b> 1 - 8 UNC	<b>50</b> 2.0
<b>55</b> <b>60</b> <b>65</b>	2 <sup>3</sup> / <sub>16</sub> 2 <sup>1</sup> / <sub>4</sub> 2 <sup>7</sup> / <sub>16</sub> 2 <sup>1</sup> / <sub>2</sub>	LSM55HG LSM60HG LSM65HG	LSE203HG LSE204HG LSE207HG LSE208HG	<b>60.0</b> 2.362	<b>140</b> 5.5	<b>108</b> 4.3	<b>82</b> 3.2	<b>M30</b> 1 - 8 UNC	<b>50</b> 2.0
<b>70</b> <b>75</b>	2 <sup>11</sup> / <sub>16</sub> 2 <sup>3</sup> / <sub>4</sub> 2 <sup>13</sup> / <sub>16</sub> 3	LSM70HG LSM75HG	LSE211HG LSE212HG LSE215HG LSE300HG	<b>65.0</b> 2.559	<b>162</b> 6.4	<b>130</b> 5.1	<b>92</b> 3.6	<b>M30</b> 1 - 8 UNC	<b>50</b> 2.0
<b>80</b> <b>85</b> <b>90</b>	3 <sup>3</sup> / <sub>16</sub> 3 <sup>1</sup> / <sub>4</sub> 3 <sup>7</sup> / <sub>16</sub> 3 <sup>1</sup> / <sub>2</sub>	LSM80HG LSM85HG LSM90HG	LSE303HG LSE304HG LSE307HG LSE308HG	<b>75.0</b> 2.953	<b>187</b> 7.4	<b>146</b> 5.7	<b>114</b> 4.5	<b>M36</b> 1 <sup>1</sup> / <sub>2</sub> - 6 UNC	<b>76</b> 3.0

<sup>(1)</sup> Hanger units with inch bore sizes have UNC mounting threads as standard. Hanger units with metric bore sizes have metric mounting threads as standard

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