

## HANGERS

Hanger units are a compact means of supporting the shafts of screw conveyors and similar equipment.

The 100 Series units offer the lowest housing frontal area for a given shaft diameter.

The bearing is mounted directly into a split grey iron housing ('hanger') with a threaded boss, to allow suspension from the conveyor cross-bracing. A swivel fixing at the cross-bracing joint is recommended to provide for alignment of the bearing.

Hangers are only suitable for housing expansion ('EX') type bearings.

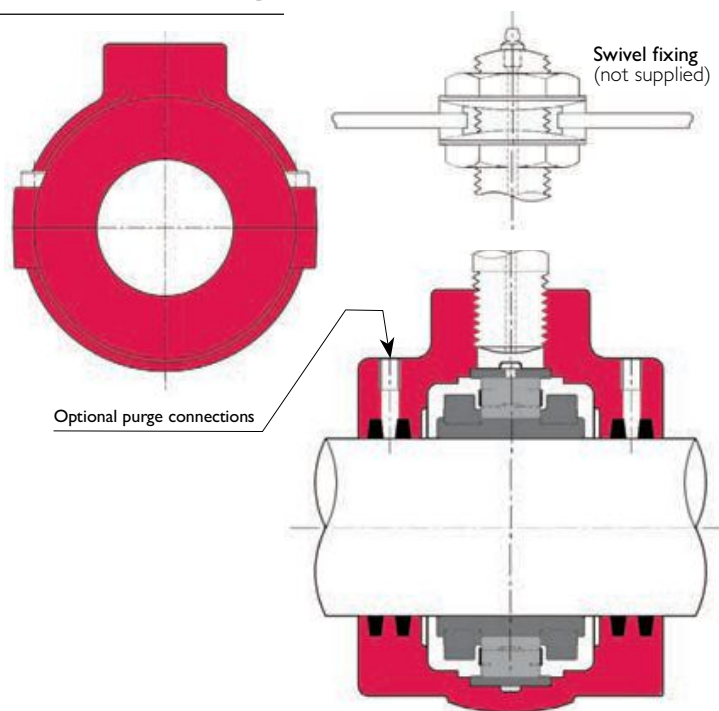
Double felt seals are supplied as standard. The standard seal grooves are also able to accommodate rubber lip seals or high temperature packing. A tapped hole in communication with the space between the seal grooves at each end of the housing is optionally provided. This is for connection to either a grease supply or an air supply for regular or continuous purging of the seals.

Another option is for the housing end bores to be machined to take heavy duty lip seals as illustrated below. The length on shaft of these units may be slightly greater than standard; details will be supplied on request.

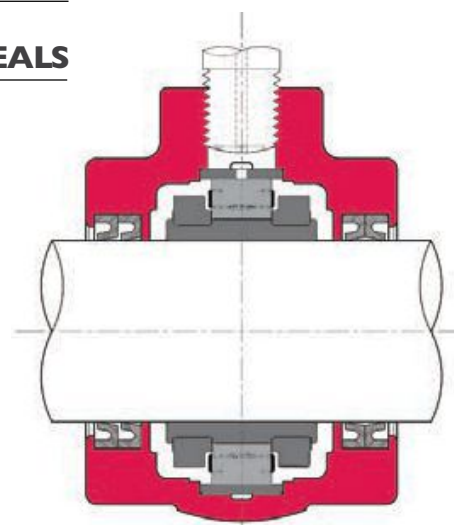
It is recommended that our technical department is contacted in order to obtain a recommendation for the sealing of each hanger unit application.

Lubrication points are not fitted to hangers as standard, with provision for lubrication of the bearing usually made through the suspension rod. Continuous grease feed is sometimes desirable.

### STANDARD HANGER



### HANGER WITH HEAVY DUTY LIP SEALS



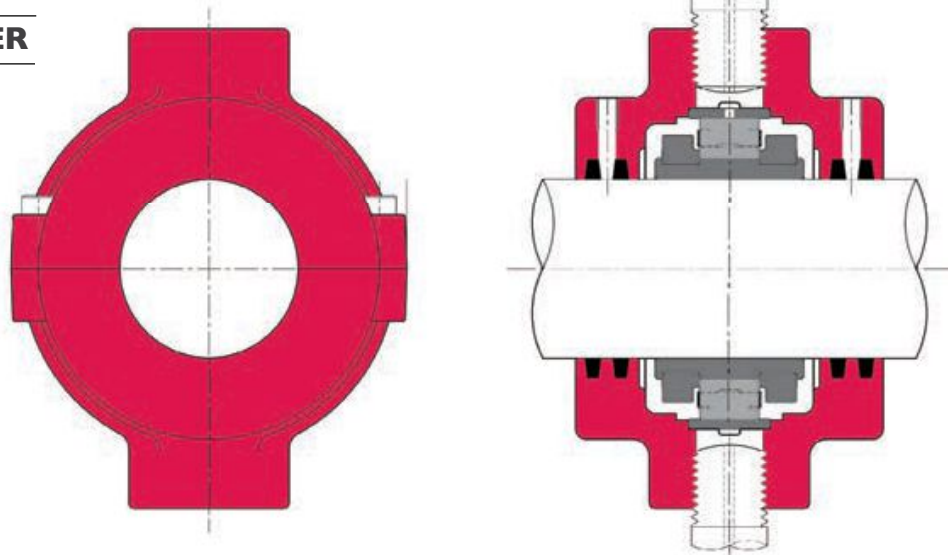
The standard type of hanger has a single threaded boss for suspension from above, by a single rod to minimise the obstruction to material flow in scroll conveyors. For applications where it is desired to locate the housing by rods from above and below, a double boss type is available.

A further type of hanger has three threaded bosses disposed at 120 degree intervals for location by three rods.

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### **DOUBLE BOSS HANGER**

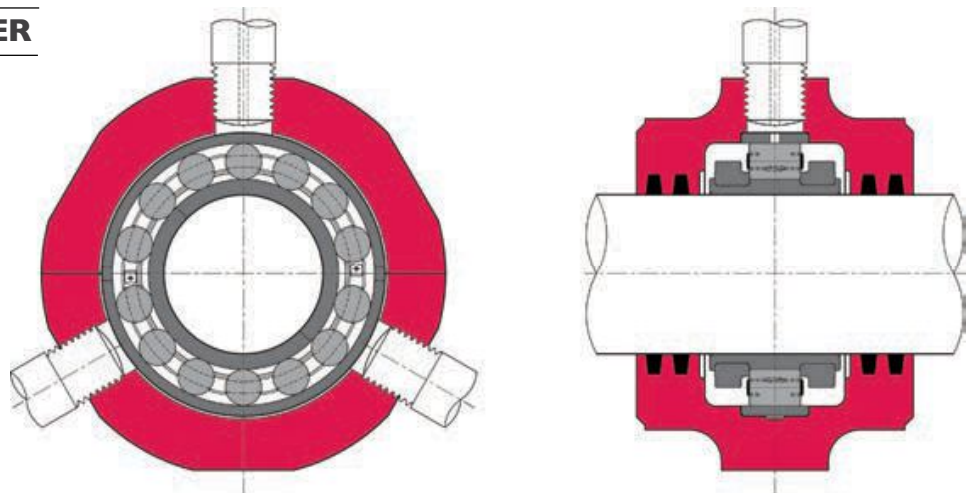
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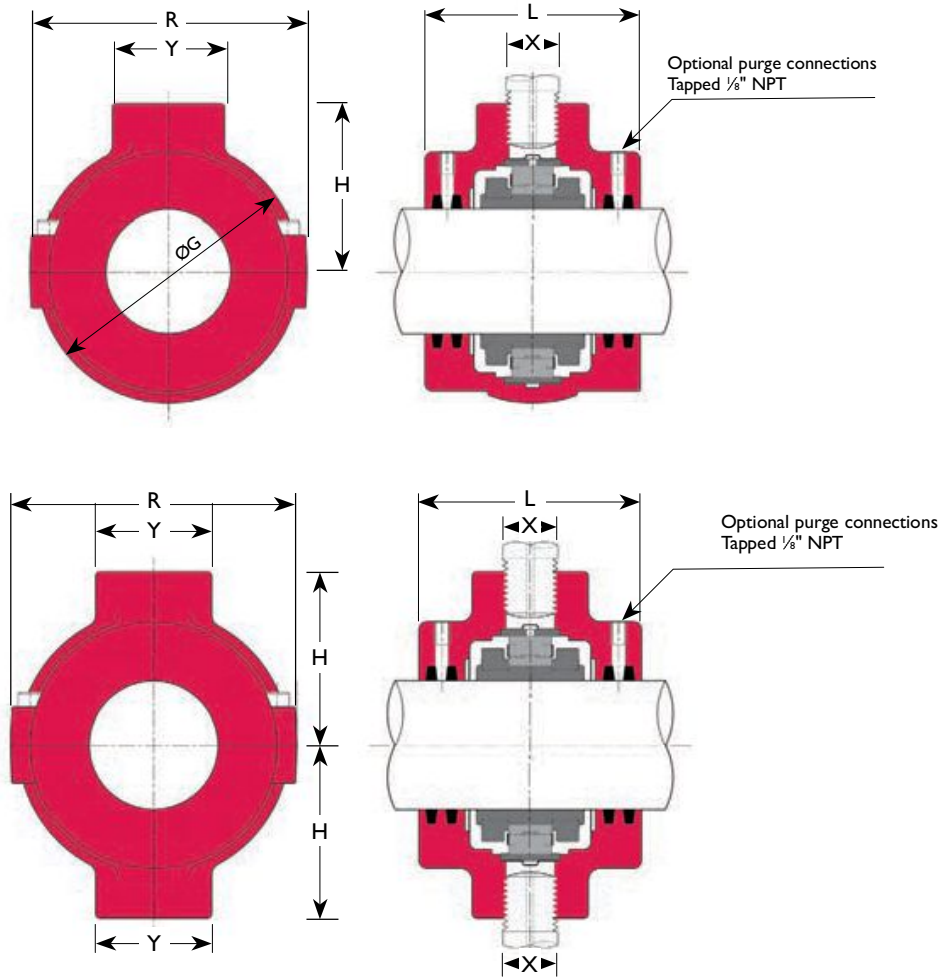
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### **TRIPLE BOSS HANGER**

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## Single and Double Boss Hangers



### 100 SERIES

Group Reference	Shaft Diameter d	Bearing Reference	Hanger Only Reference (I)		G (mm)	L (mm)	H (mm)	X (2)	Y (mm)	R (mm)	Hanger Mass (3) (kg)		
100 300	75mm 2 15/16" 3"	100 B 75M EX	100 B 215 EX 100 B 300 EX	100 H 75M	100 H 215 100 H 300	134	108	82	M30	1"-8 UNC	50	139	4.7
100 307	85mm 3 7/16"	100 B 85M EX	100 B 307 EX	100 H 85M	100 H 307	158	130	92	M30	1"-8 UNC	50	162	8.0
100 400	100mm 3 15/16" 4"	100 B 100M EX	100 B 315 EX 100 B 400 EX	100 H 100M	100 H 315 100 H 400	178	146	114	M36	1 1/2"-6 UNC	76	188	12.0
100 408	110mm 115mm 4 7/16" 4 1/2"	100 B 110M EX 100 B 115M EX	100 B 407 EX 100 B 408 EX	100 H 110M 100 H 115M	100 H 407 100 H 408	203	152	127	M36	1 1/2"-6 UNC	76	204	14.0
100 500	120mm 125mm 130mm 4 15/16" 5"	100 B 120M EX 100 B 125M EX 100 B 130M EX	100 B 415 EX 100 B 500 EX	100 H 120M 100 H 125M 100 H 130M	100 H 415 100 H 500	232	156	140	M36	1 1/2"-6 UNC	76	226	16.4
100 508	140mm 5 7/16" 5 1/2"	100 B 140M EX	100 B 507 EX 100 B 508 EX	100 H 140M	100 H 507 100 H 508	276	162	156	M36	1 1/2"-6 UNC	76	238	22.3
100 600	150mm 5 15/16" 6"	100 B 150M EX	100 B 515 EX 100 B 600 EX	100 H 150M	100 H 515 100 H 600	280	158	160	M36	1 1/2"-6 UNC	76	264	20.9

**01/01E SERIES**

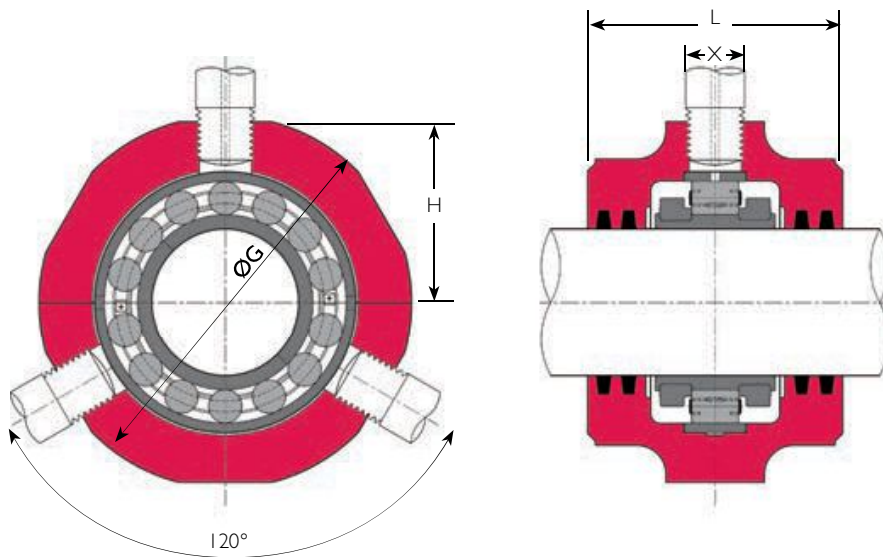
Group Reference	Shaft Diameter d	Bearing Reference	Hanger Only Reference (1)			G (mm)	L (mm)	H (mm)	X(2)	Y (mm)	R (mm)	Hanger Mass (3) (kg)	
01 108	35mm	1 3-16"	01 B 103 EX	01 H 103	01 H 103	100	108	66	M30	1"-8 UNC	50	106	2.6
	40mm	1 1/4"	01 B 104 EX	01 H 104	01 H 104								
		1 7/16"	01 B 107 EX	01 H 107	01 H 107								
		1 1/2"	01 B 108 EX	01 H 108	01 H 108								
01E 200	45mm	1 11/16"	01E B 111 EX	01 H 111	01 H 111	118	108	76	M30	1"-8 UNC	50	123	4.1
	50mm	1 3/4"	01E B 112 EX	01 H 112	01 H 112								
		1 15/16"	01E B 115 EX	01 H 115	01 H 115								
01E 208	55mm	2 3/16"	01E B 203 EX	01 H 203	01 H 203	134	108	82	M30	1"-8 UNC	50	139	4.7
	60mm	2 1/4"	01E B 204 EX	01 H 204	01 H 204								
	65mm	2 7/16"	01E B 207 EX	01 H 207	01 H 207								
		2 1/2"	01E B 208 EX	01 H 208	01 H 208								
01E 300	70mm	2 11/16"	01E B 211 EX	01 H 211	01 H 211	158	130	92	M30	1"-8 UNC	50	162	8.0
	75mm	2 3/4"	01E B 212 EX	01 H 212	01 H 212								
		2 15/16"	01E B 215 EX	01 H 215	01 H 215								
		3"	01E B 300 EX	01 H 300	01 H 300								
01E 308	80mm	3 3/16"	01E B 303 EX	01 H 303	01 H 303	178	146	114	M36	1 1/2"-6 UNC	76	188	12.0
	85mm	3 1/4"	01E B 304 EX	01 H 304	01 H 304								
	90mm	3 7/16"	01E B 307 EX	01 H 307	01 H 307								
		3 1/2"	01E B 308 EX	01 H 308	01 H 308								
01E 400	95mm	3 11/16"	01E B 311 EX	01 H 311	01 H 311	203	152	127	M36	1 1/2"-6 UNC	76	204	14.0
	100mm	3 3/4"	01E B 312 EX	01 H 312	01 H 312								
	105mm	3 15/16"	01E B 315 EX	01 H 315	01 H 315								
		4"	01E B 400 EX	01 H 400	01 H 400								
01 408	110mm	4 3/16"	01 B 403 EX	01 H 403	01 H 403	232	156	140	M36	1 1/2"-6 UNC	76	226	16.4
	115mm	4 7/16"	01 B 407 EX	01 H 407	01 H 407								
		4 1/2"	01 B 408 EX	01 H 408	01 H 408								
01 500	120mm	4 15/16"	01 B 415 EX	01 H 415	01 H 415	276	162	156	M36	1 1/2"-6 UNC	76	238	22.3
	125mm	5"	01 B 500 EX	01 H 500	01 H 500								
	130mm												
01 508	135mm	5 3/16"	01 B 503 EX	01 H 503	01 H 503	280	158	160	M36	1 1/2"-6 UNC	76	264	20.9
	140mm	5 7/16"	01 B 507 EX	01 H 507	01 H 507								
		5 1/2"	01 B 508 EX	01 H 508	01 H 508								

1) For grease / air purge points to seals add 'AP' to reference, e.g.: 01 H 125M AP For double boss type add 'DOUBLE BOSS' to reference, e.g.: 01 H 125M AP For double boss type with purge points to seals add 'DOUBLE BOSS AP' to reference, e.g.: 01 H 125M DOUBLE BOSS AP

2) Hangers with metric bore sizes have metric mounting threads as standard. Hangers with inch-size bore sizes have UNC mounting threads as standard.

3) Mass of single boss version. Double boss version slightly heavier.

## Triple Boss Hangers



### TRIPLE BOSS HANGERS

Group Reference	Shaft Diameter d	Bearing Reference	Hanger Only Reference (1)		G (mm)	L (mm)	H (mm)	X(1)	Hanger Mass (kg)		
01E 200	1 11/16"	01EB 111 EX	01EB 111 EX	01 H 111 TRIPLE BOSS	160	109	76	M30	1"-8 UNC	6.4	
	1 3/4"	01EB 45M EX	01EB 112 EX	01 H 45M TRIPLE BOSS							
	1 15/16"	01EB 50M EX	01EB 115 EX	01 H 50M TRIPLE BOSS							
	2"	01EB 200 EX	01EB 200 EX	01 H 200 TRIPLE BOSS							
01E 300	2 11/16"	01EB 211 EX	01EB 211 EX	01 H 211 TRIPLE BOSS	190	130	92	M30	1"-8 UNC	10.0	
	2 3/4"	01EB 70M EX	01EB 212 EX	01 H 70M TRIPLE BOSS							
	2 15/16"	01EB 75M EX	01EB 215 EX	01 H 75M TRIPLE BOSS							
	3"	01EB 300 EX	01EB 300 EX	01 H 300 TRIPLE BOSS							
100 307	85mm	100 B 85M EX	100 B 307 EX	100 H 85M TRIPLE BOSS	100 H 307 TRIPLE BOSS	190	130	92	M30	1"-8 UNC	10.0
01 408	4 3/16"	01 B 110M EX	01 B 403 EX	01 H 110M TRIPLE BOSS	290	170	140	M36	1 1/2"-6 UNC	30.0	
	4 7/16"	01 B 115M EX	01 B 407 EX	01 H 115M TRIPLE BOSS							
	4 1/2"	01 B 408 EX	01 B 408 EX	01 H 408 TRIPLE BOSS							
100 500	4 15/16"	100 B 120M EX	100 B 415 EX	100 H 120M TRIPLE BOSS	290	170	140	M36	1 1/2"-6 UNC	30.0	
	125mm	100 B 125M EX	100 B 500 EX	100 H 125M TRIPLE BOSS							
	130mm	100 B 130M EX	100 B 500 EX	100 H 130M TRIPLE BOSS							

- 1) Hangers with metric bore sizes have metric mounting threads as standard.  
Hangers with inch-size bore sizes have UNC mounting threads as standard.