

ISOLATION HANGERS

Selection of resilient hangers is an integral part of the total isolation system design, and the deflection of hangers for pipes and ductwork immediate to the equipment should be similar to the isolators supporting the equipment.

Embelton has a range of rubber and spring/rubber combination isolation hangers, selection of which depends on the type of application, and deflection required. Embelton also offers expansion control hangers where vertical movement can be experienced through thermal variations.

SELECTING THE CORRECT ISOLATION HANGER

Refer to the Isolator Selection Guide on page 6-7 to obtain the necessary static deflection, then select the isolation hanger required according to equipment load. For isolation hangers using only rubber elements, the dynamic factor also needs to be taken into account.

ISOLATION HANGERS SELECTION GUIDE

PRODUCT	STATIC DEFLECTION mm	ELEMENT TYPE	LOAD RANGE kg	DISTURBING FREQUENCY RPM	DATASHEET
ISOLATION HANGERS					
For support of piping and ductwork running from mechanical equipment					
RH / RHD	5-12	RUBBER	17-1,300	> 1,000	RH
SHS	15-33	SPRING	10-200	> 700	SH
SH	23-40		50-550		
SHW	24-33		200-1,150		
SHLD	50	SPRING	6-55	> 500	SHD
SHWD	40-50		50-350		
RSHS	20-34	SPRING & RUBBER	10-200	> 700	RSH
RSH	29-41		50-550		
RSHW	29-37		200-1,150		
RSHWD	45-55	SPRING & RUBBER	50-350	> 500	RSHWD
RSHD	55	SPRING & RUBBER	65-1,000	> 500	RSHD
EXPANSION CONTROL HANGERS					
To support piping where considerable vertical movement is experienced through thermal variations					
EHL-90 - EHL-96	84-114	SPRING	20-250	N/A	EH
EHL-97 - EHL-100	60-84		300-650		
EHD-52 - EHD-593	100		225-1,115		
RUBBER ISOLATION HANGER ELEMENTS					
RHE	5-6	RUBBER	17-1,300	> 1,000	RHE
RHDE	8-12				
SPRING ISOLATION HANGER ELEMENT					
KDXSS	25	SPRING	50-143	> 700	KDX
KDXS	15-33		10-200		
KDX	23-40		50-550		
KDXW	24-33		200-1,150		

ISOLATION HANGERS



RH

Load Range: 17-1,300kg
Stat Defl: 5-12mm



SHS

Load Range: 10-200kg
Stat Defl: 15-33mm



SH

Load Range: 50-550kg
Stat Defl: 23-40mm



SHW

Load Range: 200-1,150kg
Stat Defl: 24-33mm



SHLD

Load Range: 6-55kg
Stat Defl: 50mm



SHWD

Load Range: 50-350kg
Stat Defl: 40-50mm



RSHS

Load Range: 10-200kg
Stat Defl: 20-34mm



RSH

Load Range: 50-550kg
Stat Defl: 29-41mm



RSHW

Load Range: 200-1,150kg
Stat Defl: 29-37mm



RSHWD

Load Range: 50-350kg
Stat Defl: 45-55mm



RSHD

Load Range: 65-1,000kg
Static Deflection: 55mm

EXPANSION CONTROL HANGERS



EHL/EHD

Load Range: 20-1,115kg
Stat Defl: 60-114mm

SPRING HANGER ELEMENTS



KDXSS

Load Range: 50-143kg
Stat Defl: 25mm



KDXS

Load Range: 10-200kg
Stat Defl: 15-33mm



KDX

Load Range: 50-550kg
Stat Defl: 23-40mm



KDXW

Load Range: 200-1,150kg
Stat Defl: 24-33mm

RUBBER HANGER ELEMENTS



RHE/RHDE

Load Range: 17-1,300kg
Stat Defl: 5-12mm



CHE

Load Range: 17-40kg
Stat Defl: 5mm