



ER/NER Standard and Optional Suspension Configurations 1/8 to 5 Ton

Scope:

This document identifies for ER/NER hoists and for all current trolleys:

Section 1 - Unit's standard "as stocked" suspension configurations.

Section 2 - Suspension component descriptions.

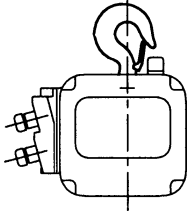
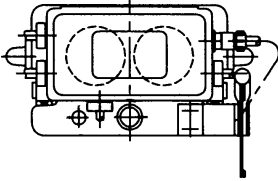
Section 3 - Suspension configuration - standard and optional.

Section 4 - All parts required to mount "as stocked" hoists onto "as stocked" trolleys. Note: This document does NOT address Nameplate and/or Pendant replacement/modifications that may be necessary to complete the combination.

Note: This EDOC is NOT applicable for Hoist/Trolleys used in conjunction with Kito steel chain containers.

Section 1 - Standard Equipment:

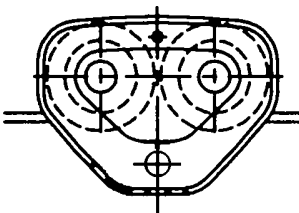
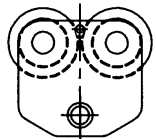
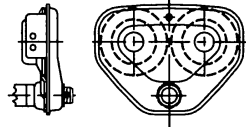
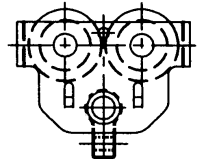
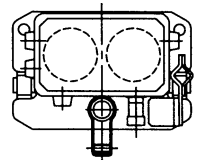
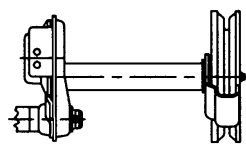
- This chart details the suspension configuration of hoists and trolleys as they are standardly stocked.
- All listing for ER models also apply to the NER with the same capacity and size.
- Suspension parts are the same for the corresponding dual speed units of the same capacity and size.

Harrington Product		Suspension Component – as stocked	
Unit	Product Code	Description	Part No.
	(N)ER001H (N)ER003S (N)ER005L	Top hook assy	ER1BS1001
	(N)ER003H (N)ER005S	Top hook assy	ER1CS1001
	(N)ER010L NER010M	Top hook assy	ER1CL1001
	(N)ER010S	Top hook assy	ER1DS1001
	(N)ER015S (N)ER020L NER020M	Top hook assy	ER1DL1001
	(N)ER020S	Top hook assy	ER1ES1001
	(N)ER025S	Top hook assy	ER1FS1001
	NER030C	Top hook assy	ER1DR1001
	(N)ER030L (N)ER030S	Top hook assy	ER1FS1001
	(N)ER050L	Top hook assy	ER1FR1001
	MR005	none	none
	MR010	none	none
	MR020	none	none
	MR030	none	none
	MR050	none	none

GENERAL USE

EDOC00190

Rev.3 3/13/06

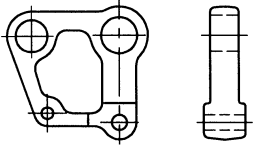
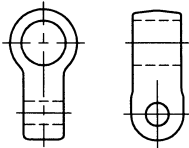
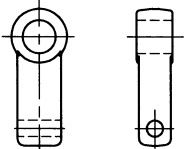
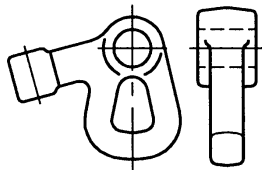
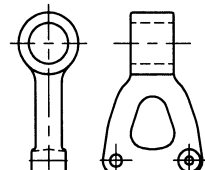
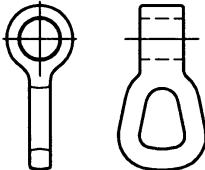
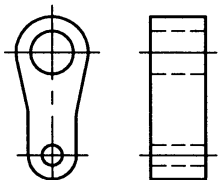
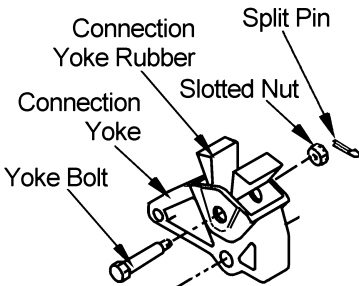
Harrington Product		Suspension Component – as stocked	
Unit	Product Code	Description	Part No.
	PTF2005	none	none
	PTF2010 GTF2010	none	none
	PTF2020 GTF2020	none	none
	PTF2030 GTF2030	none	none
	PTF2050 GTF2050	none	none
	PTS2005	none	none
	PTS2010 GTS2010	none	none
	PTS2020 GTS2020	none	none
	PTS2030 GTS2030	none	none
	PTS2050 GTS2050	Suspender G	M7S004050
	MS010	Suspender G	M7S004010
	MS020	Suspender G	M7S004020
	MS030	Suspender G	M7S004030
	MS050	Suspender G	M7S004050
	GTS2010EHW	none	none
	GTS2020EHW	none	none
	GTS2030EHW	none	none
	GTS2050EHW	none	none

GENERAL USE

EDOC00190

Rev.3 3/13/06

Section 2 - Suspension Component Descriptions:

	<p>Suspender T</p> <ul style="list-style-type: none"> For ERM low-headroom design.
	<p>Suspender G</p> <ul style="list-style-type: none"> Use with MR trolley to lug mount hoist parallel to beam. Must be used with Connection Yoke and Connection Yoke parts
	<p>Suspender E</p> <ul style="list-style-type: none"> Used to lug mount 1/2 to 3 Ton TF2 and TS2 trolleys Must be used with Connection Yoke and Connection Yoke parts
<p>1/2 to 2 1/2 Ton:</p>  <p>3 & 5 Ton:</p> 	<p>Suspender C</p> <ul style="list-style-type: none"> For lug mount CB model hoists up through 5 ton. Has hook to lug capability for some applications.
	<p>Suspender H</p> <ul style="list-style-type: none"> For some hook to lug application.
	<p>Suspender, 90 Degree</p> <ul style="list-style-type: none"> Special application suspender for use with ER hoist on MR, TF2 and TS2 Trolleys. Used to mount hoist perpendicular to beam. Must be used with Connection Yoke and Connection Yoke parts.
	<p>Connection Yoke and Components</p> <ul style="list-style-type: none"> Bolts in place of 1/8 to 3 Ton ER top hook assembly to accommodate Suspender G, Suspender E or Suspender 90 degree. Is used on ALL 5 Ton ER hook and lug mount configurations. 5 Ton hoists are double fall and the second fall of chain attaches to the Connection Yoke.

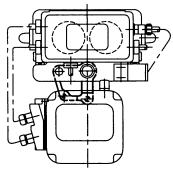
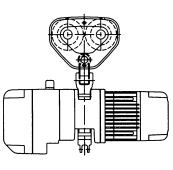
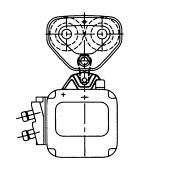
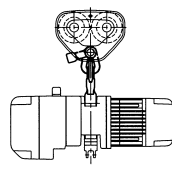
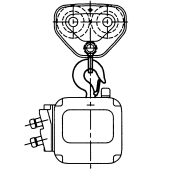
GENERAL USE

EDOC00190

Rev.3 3/13/06

Section 3 - ER Hoist Suspension Configurations:

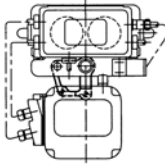
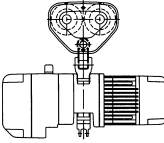
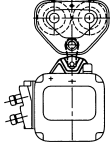
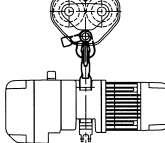
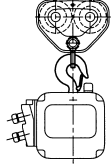
- Bold outline indicates the standard suspension configuration for that product combination.
- (NPR) Indicates that additional parts are NOT required for the combination
- Shaded boxes indicate that the combination is not available.
- Parts Kit numbers are 6 digit starting with "K". The parts that make up the specific Part Kit are shown in the next section "Parts Details" starting on page 6. All other part numbers are for individually stocked parts or assemblies.
- All listing for ER models also apply to the NER with the same capacity and size.
- Suspension parts are the same for the corresponding dual speed units of the same capacity and size.

		Part or Parts Kit Required for Connection (Harrington std. connection in bold)				
						
Hoist	Trolley (Harrington std. in bold)	Suspenders T	Connection Yoke and Suspenders - Parallel	Connection Yoke and Suspenders - Perpendicular	Hook to Lug - Parallel ①	Hook to Lug - Perpendicular ②
(N)ER001H (N)ER003S (N)ER005L SNER003S SNER005L	MR005	ER1BS9031	K00001	K00002		
	(S)MR010	ER1BS9031	K00001	K00002		
	PTF2005		K00003	K00055	T7GC004005	T6G019005
	PTF2010		K00005	K00004	T7GC004010	T6G019010
	PTS2005		K00003	K00055	T7GC004005	T6G019005
	PTS2010		K00005	K00004	T7GC004010	T6G019010
	GTS2010		K00005		T7GC004010	
	GTS2010EHW			K00004		T6G019010
	PTS2010 or GTS2010EHW w/ SCC	(NPR)				
MS010			K00001			
(N)ER003H (N)ER005S SNER005S	MR005	ER1CS9031	K00008	K00009		
	(S)MR010	ER1CS9031	K00008	K00009		
	PTF2005		K00010	K00056	T7GC004005	T6G019005
	PTF2010		K00012	K00011	T7GC004010	T6G019010
	PTS2005		K00010	K00056	T7GC004005	T6G019005
	PTS2010		K00012	K00011	T7GC004010	T6G019010
	GTS2010		K00012		T7GC004010	
	GTS2010EHW			K00011		T6G019010
	PTS2010 or GTS2010EHW w/SCC	(NPR)				
MS010			K00008			

GENERAL USE

EDOC00190

Rev.3 3/13/06

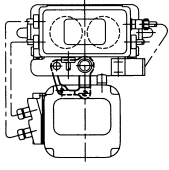
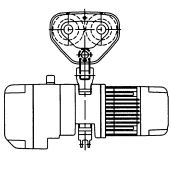
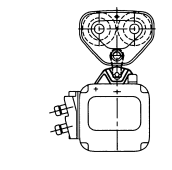
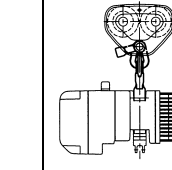
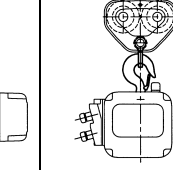
Part or Parts Kit Required for Connection (Harrington std. connection in bold)						
						
Hoist	Trolley (Harrington std. in bold)	Suspender T	Connection Yoke and Suspender - Parallel	Connection Yoke and Suspender - Perpendicular	Hook to Lug - Parallel ①	Hook to Lug - Perpendicular ②
(N)ER010L (N)ER010M SNER010L	MR005	ER1CS9031	K00008	K00009		
	(S)MR010	ER1CS9031	K00008	K00009		
	PTF2010		K00012	K00011	T7GC004010	T6G019010
	PTS2010		K00012	K00011	T7GC004010	T6G019010
	GTS2010		K00012		T7GC004010	
	GTS2010EHW			K00011		T6G019010
	PTS2010 or GTS2010EHW w/SCC	(NPR)				
MS010			K00013			
(N)ER010S SNER010S	MR005	ER1DS9031	K00015	K00016		
	(S)MR010	ER1DS9031	K00015	K00016		
	PTF2010		K00017	K00018	T7GC004010	T6G019010
	PTS2010		K00017	K00018	T7GC004010	T6G019010
	GTS2010		K00017		T7GC004010	
	GTS2010EHW			K00018		T6G019010
	PTS2010 or GTS2010EHW w/SCC	(NPR)				
MS010			K00019			
(N)ER015S (N)ER020L (N)ER020M SNER020L	(S)MR020	ER1DL9031	K00020	K00021		
	PTF2020		K00022	K00023		T6G019020
	PTS2020		K00022	K00023		T6G019020
	GTF2020		K00022			
	GTS2020		K00022			
	GTS2020EHW			K00023		T6G019020
	PTS2020 or GTS2020EHW w/SCC	(NPR)				
MS020			K00024			

GENERAL USE

EDOC00190

Rev.3 3/13/06

Part or Parts Kit Required for Connection (Harrington std. connection in bold)

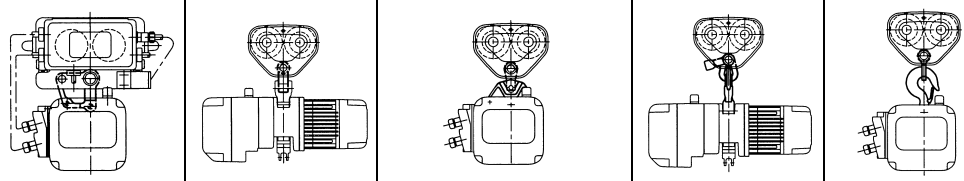
Hoist	Trolley (Harrington std. In bold)	Part or Parts Kit Required for Connection (Harrington std. connection in bold)				
		 Suspender T	 Connection Yoke and Suspender - Parallel	 Connection Yoke and Suspender - Perpendicular	 Hook to Lug - Parallel ①	 Hook to Lug - Perpendicular ②
(N)ER020S	MRO20	ER1ES9031	K00025	K00026		
	PTF2020		K00027	K00028		T6G019020
	PTS2020		K00027	K00028		T6G019020
	GTF2020		K00027			
	GTS2020		K00027			
	GTS2020EHW			K00028		T6G019020
	PTS2020 or GTS2020EHW w/SCC	(NPR)				
	MS020		K00025			
(N)ER030C SNER030C	(S)MRO30	ER1DR9031	M7S004030 (susp. G)	M7S00490030 (90 deg. susp)		
	PTF2030		T7GB004030 (susp. E)	TF26K531030S (90 deg susp)		T6G019030
	PTS2030		T7GB004030 (susp. E)	TF26K531030S (90 deg susp)		T6G019030
	GTF2030		T7GB004030 (susp. E)			
	GTS2030		T7GB004030 (susp. E)			
	GTS2030EHW			TF26K531030S (90 deg susp)		T6G019030
	PTS2030 or GTS2030EHW w/SCC	(NPR)				
	MS030		M7S004030 (susp G)			

GENERAL USE

EDOC00190

Rev.3 3/13/06

Part or Parts Kit Required for Connection (Harrington std. connection in bold)



Hoist	Trolley (Harrington std. In bold)	Part or Parts Kit Required for Connection (Harrington std. connection in bold)				
		Suspenders T	Connection Yoke and Suspenders - Parallel	Connection Yoke and Suspenders - Perpendicular	Hook to Lug - Parallel ①	Hook to Lug - Perpendicular ②
(N)ER025S (N)ER030L (N)ER030S	MR030	ER1FS9031	K00030	K00031		
	PTF2030		K00032	K00033		T6G019030
	PTS2030		K00032	K00033		T6G019030
	GTF2030		K00032			
	GTS2030		K00032			
	GTS2030EHW			K00033		T6G019030
	PTS2030 or GTS2030EHW w/SCC	(NPR)				
MS030		K00030				
(N)ER050L	MR050	ER1FR9031	MR1GS9001 (Susp. G)	M7S00490050 (90° susp.)		
	PTF2050		K00035	K00036		(NPR, hook to trolley shaft)
	PTS2050		MR1GS9001 (susp G)	M7S00490050 (90° susp.)		M3004050 (Susp. C)
	GTF2050		K00035			
	GTS2050		MR1GS9001 (susp G)			
	GTS2050EHW			M7S00490050 (90° susp.)		M3004050 (Susp. C)
	PTS2050 or GTS2050EHW w/SCC	(NPR)				
	MS050		MR1GS9001 (susp G)			

① Uses Suspenders C unless otherwise noted.

② Uses Suspenders H unless otherwise noted.

GENERAL USE

EDOC00190

Rev.3 3/13/06