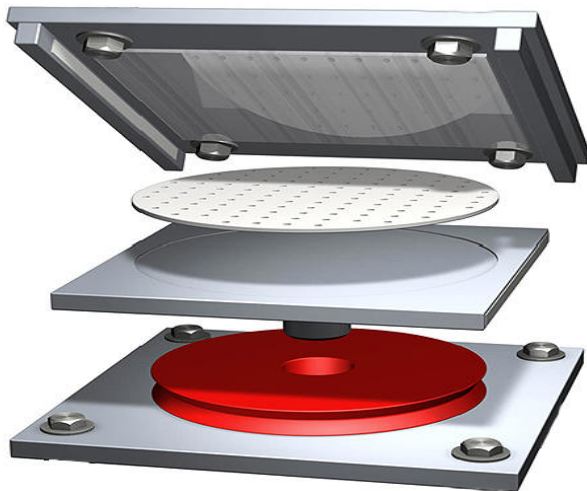


DISKTRON Bearing System

Design Questionnaire

11035 Walden Ave
Alden, New York 14004
PH: 716-901-7020
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www.rjwatson.com



Project:

Contract Name & No.:

Owner:

Consultant:

Contact Information:

Name:

Telephone:

E-mail:

Contract Drawing Reference:

Prepared by:

Disktron Bearing Quantity:

Estimated Project Bid Date:

Structure: Superstructure Information:

Type (Steel or Concrete):

Strength (Yield or Compressive ($f'c$)):

Beam/Girder No. and Dimensions:

Span Length(s):

Slope at Bearing Locations:

Substructure Information:

Type (Steel or Concrete):

Strength (Yield or Compressive ($f'c$)):

Bearing Pedestal Dimensions:

Existing Bearing Heights (if required to match heights):

Design: Design Goal (retrofit, new design, etc.):

Design Method - ASD, LFD, or LRFD:

Specifications (including dates/editions):

AASHTO, AREMA:

State Standard:

Design Manual:

Units - English or Metric:

Bearing Materials:

Type of Steel:

Coating (paint, galvanize, metalize):

Paint System and Top Coat Color (if applicable):

Testing: Specifications (including dates/editions):

AASHTO, AREMA:

State Standard:

Special Testing Requirements (if applicable):

Design Requirements***LRFD Design***

Units Load: Displacement: Rotation:		Bearing Type	Bearing Type	Bearing Type	
Quantity					
Location(s)					
Service Limit State (max)	Vertical Load	Dead			
		Live			
		Total			
	Uplift Load (if applicable)				
	Horizontal Load	Longitudinal			
Transverse					
Strength Limit State (max factored)	Vertical Load	Dead			
		Live			
		Total			
	Uplift Load (if applicable)				
	Horizontal Load	Longitudinal			
		Transverse			
	Rotation (+/-)	Due to all applicable loads			
		Due to fab. & const. tolerance			
		Total			
	Movement (+/-)	Longitudinal			
Transverse					
Extreme Event Limit State (max factored)	Vertical Load	Dead			
		EQ,IC,CT,CV			
		Total			
	Uplift Load (if applicable)				
	Horizontal Load	Longitudinal			
		Transverse			
	Movement (+/-)	Longitudinal			
Transverse					
Type of attachment to super structure					
Type of attachment to sub structure					

If any of the above information is not known at this time, typical assumptions can be used for an estimate. For example, a typical strength horizontal load is 15% of the service vertical load, and a typical strength design rotation is +/-0.02 radians.

Design Requirements***ASD or LFD Design***

Units Load: Displacement: Rotation:		Bearing Type	Bearing Type	Bearing Type
Quantity				
Location(s)				
Load (Denote: unfactored or factored)	Vertical	Dead		
		Live		
		Total		
	Horizontal	Longitudinal		
		Transverse		
		Controlling load case		
Uplift (if applicable)				
Rotation (+/-)	Due to all applicable loads			
	Due to fab. & const. tol.			
	Total			
Movement (+/-)	Longitudinal	RST		
		Seismic		
		Const. tol.		
		Total		
	Transverse	RST		
		Seismic		
		Const. tol.		
		Total		
Type of attachment to super structure				
Type of attachment to sub structure				

If any of the above information is not known at this time, typical assumptions can be used for an estimate. For example, a typical design horizontal load is 10% of the vertical load, and a typical design rotation is +/-0.02 radians.