

THESE TABLES APPLY TO JRC PART NUMBERS:

100-61259x REV 7
 100-81259x REV 8
 100-81259x256 REV 0

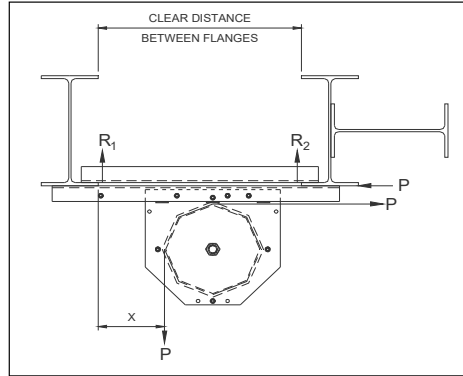
100-101259C25 REV 5

Base Angle: 2 x 1 1/2 x 1/4

Headblock Load Rating Table Instructions

NOTE: There are individual tables for each size and orientation of head block

- Review the LIMITS OF USE section shown on the right hand side of this document. If your project does not meet the LIMITS OF USE, please contact J R Clancy for further information.
- Review the project for the exact requirements of your specific head block. You will need to know the following information prior to using the head block load rating tables:
 - Orientation of block (upright or underhung) and for underhung, the attachment method.
 - Size of the block (sheave diameter at: 8", 12", or 16")
 - The clear distance between the supporting head steel flanges (NOT the beam centerline distance).
 - The distance from the onstage side of the offstage beam flange to the offstage handline.
- Once you know the above information find the tables that match the size and orientation of the headblock you need.
- Once you have located the tables for your particular block, on TABLE 1, go to the leftmost column on the table labeled "Clear Distance Between Flanges" or "Center - Center Weld Distance". Read down until you find the distance specific to your project.
- Next find the "Distance Between Offstage Beam Flange and Handline (Dimension X)" across the top row of the spreadsheet.
- Where your selected Row and Column intersect will be the Gross Load Capacity (in lbs) of your headblock.
- Next find the cable diameter and sheave type in TABLE 2 below. Calculate the Tread Pressure Limited Capacity by multiplying the maximum individual line load x the number of lift lines.
- Your final maximum RWL for your head block will be the lesser of:
 - the Gross RWL from the Table, OR
 - the Tread Pressure Limited Capacity.



Head Blocks - LIMITS OF USE

NOTE: RWL (Recommended Working Load) is a function of mounting conditions and is only valid when the following criteria are met:

- All lift lines wrap 90° around the sheave, all hand lines wrap 180° around the sheave.
- All headblocks mount on two beams, with the shaft between the beam centerlines.
- All cable fleet angles are less than 1.5°.
- For Underhung Headblocks, they shall be attached to structural steel in one of the following three methods:
 - beam clip angles, min. two 2" x 1 1/4" x 1/4" angles, back to back bolted with two 1/2" gr 5 bolts.
 - formed clips with two 1/2" gr 5 bolts, from one of the following JRC part #'s :
 - 070-38650, 070-38675, 070-386100
 - 070-38850, 070-38875, 070-388100
 - welded directly to the beam, min. four 1/4" fillet welds at 1.5" in length ea.
- For Upright Headblocks they shall be attached to structural steel by either b), or c) above.
- The onstage connection to structure must have the bolt bear directly against the mounting steel in shear.
- CONTACT J R CLANCY FOR OTHER MOUNTING CONDITIONS.

NOTE: The above values are based on block capacity only and do not reflect the capacity of the cable you use. Consult your wire rope manufacturer for the RWL for your particular cable.

TABLE 1 - HEAD BLOCK GROSS LOAD CAPACITY (in lbs.) - 12" Single Purchase Underhung Head Block with Beam Angles

Clear Distance Between Flanges	Distance Between Offstage Beam Flange and Offstage Handline (Dimension "X")																		
	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	
10	2213	2349	2502	2677	2878	3112	3310	3310	3310	3310	3310	3310							
11	2325	2459	2610	2780	2974	3198	3310	3310	3310	3310	3310	2594							
12	2037	2557	2705	2871	3058	3272	3310	3310	3310	3310	3310	2510	2080						
13	1707	2526	2790	2951	3132	3310	3310	3310	3310	3310	3310	2444	1996	1785					
14	1501	2102	2866	3022	3197	3310	3310	3310	3310	3310	3310	2391	1930	1701	1594				
15	1360	1837	2622	3086	3254	3310	3310	3310	3310	3310	3310	2348	1877	1635	1510	1459			
16	1258	1657	2280	3144	3306	3310	3310	3310	3310	3310	3310	3283	2311	1833	1582	1444	1376	1360	
17	1180	1525	2047	2890	3310	3310	3310	3310	3310	3310	3310	3257	2280	1797	1538	1391	1310	1276	1284
18	1120	1426	1878	2584	3310	3310	3310	3310	3310	3310	3310	3157	2253	1765	1502	1347	1257	1211	1200
19	1070	1348	1749	2362	3310	3310	3310	3310	3310	3310	3310	3148	2230	1739	1471	1310	1213	1158	1134
20	1030	1284	1648	2193	3072	3310	3310	3310	3310	3310	3310	3139	2209	1715	1444	1279	1176	1114	1081
21	996	1233	1566	2061	2844	3310	3310	3310	3310	3310	3310	3132	2191	1695	1421	1253	1145	1077	1037
22	967	1189	1499	1954	2666	3310	3310	3310	3310	3310	3310	3125	2175	1677	1400	1229	1119	1046	1001
23	943	1152	1443	1866	2522	3310	3310	3310	3310	3310	3310	3119	2161	1661	1382	1209	1095	1019	970
24	921	1120	1395	1793	2403	3310	3310	3310	3310	3310	3310	3113	2148	1646	1366	1191	1075	996	943

Indicates dimension recommended in JRC Design Guide

TABLE 2 - MAXIMUM LINE LOADS			
12" Sheave Line Load limited by Tread Pressure			
Cable Diameter	Cast	Steel	Nylon
1/4"	750	1500	5250

NOTE: The above values are based on block capacity only and do not reflect the capacity of the cable you use. Consult your wire rope manufacturer for the RWL for your particular cable.

[Index](#)

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100-101259C25 REV 5

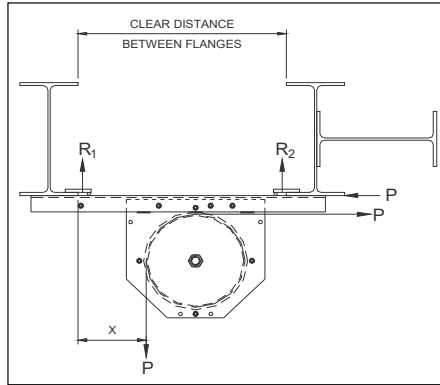
Base Angle: 2 x 1 1/2 x 1/4

Headblock Load Rating Table Instructions

NOTE: There are individual tables for each size and orientation of head block

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 - Size of the block (sheave diameter at: 8", 12", or 16")
 - The clear distance between the supporting head steel flanges (NOT the beam centerline distance).
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- Once you know the above information find the tables that match the size and orientation of the headblock you need.
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- Next find the "Distance Between Offstage Beam Flange and Handline (Dimension X)" across the top row of the spreadsheet.
- Where your selected Row and Column intersect will be the Gross Load Capacity (in lbs) of your headblock.
- Next find the cable diameter and sheave type in TABLE 2 below. Calculate the Tread Pressure Limited Capacity by multiplying the maximum individual line load x the number of lift lines.
- Your final maximum RWL for your head block will be the lesser of:
 - the Gross RWL from the Table, OR
 - the Tread Pressure Limited Capacity.

NOTE: The above values are based on block capacity only and do not reflect the capacity of the cable you use. Consult your wire rope manufacturer for the RWL for your particular cable.



Head Blocks - LIMITS OF USE

NOTE: RWL (Recommended Working Load) is a function of mounting conditions and is only valid when the following criteria are met:

- All lift lines wrap 90° around the sheave, all hand lines wrap 180° around the sheave.
- All headblocks mount on two beams, with the shaft between the beam centerlines.
- All cable fleet angles are less than 1.5°.
- For Underhung Headblocks, they shall be attached to structural steel in one of the following three methods:
 - beam clip angles, min. two 2" x 1 1/4" x 1/4" angles, back to back bolted with two 1/2" gr 5 bolts..
 - formed clips with two 1/2" gr 5 bolts, from one of the following JRC part #'s :
 - 070-38650, 070-38675, 070-388100
 - 070-38850, 070-38875, 070-388100
 - welded directly to the beam, min. four 1/4" fillet welds at 1.5" in length ea.
- For Upright Headblocks they shall be attached to structural steel by either b), or c) above.
- The onstage connection to structure must have the bolt bear directly against the mounting steel in shear.
- CONTACT J R CLANCY FOR OTHER MOUNTING CONDITIONS.

TABLE 1 - HEAD BLOCK GROSS LOAD CAPACITY (in lbs.) - 12" Single Purchase Underhung Head Block with Beam Clips

Clear Distance Between Flanges	Distance Between Offstage Beam Flange and Offstage Handline (Dimension "X")																	
	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11
10	461	489	521	557	599	648	705	773	856	959	1090							
11	484	512	543	579	619	666	720	783	859	951	1066	1212						
12	505	532	563	597	636	681	732	792	862	945	1047	1172	1333					
13	523	551	581	614	652	694	743	799	864	940	1031	1142	1279	1454				
14	540	567	596	629	665	706	752	805	865	935	1018	1117	1237	1386	1575			
15	556	582	611	642	677	716	760	810	867	932	1007	1096	1203	1332	1492	1459		
16	570	596	624	654	688	726	768	815	868	929	998	1079	1175	1289	1427	1376	1360	
17	583	608	635	665	698	734	774	819	869	926	990	1065	1151	1253	1375	1310	1276	1284
18	595	620	646	675	707	742	780	822	870	923	984	1052	1131	1223	1331	1257	1211	1200
19	606	630	656	684	715	748	785	826	871	921	978	1042	1114	1198	1295	1213	1158	1134
20	616	640	665	692	722	754	790	829	872	919	972	1032	1099	1176	1265	1176	1114	1081
21	626	649	673	700	729	760	794	831	872	918	968	1024	1086	1157	1238	1145	1077	1037
22	635	657	681	707	735	765	798	834	873	916	963	1016	1075	1141	1215	1119	1046	1001
23	643	665	688	714	741	770	802	836	874	915	960	1009	1064	1126	1195	1095	1019	970
24	651	672	695	720	746	774	805	838	874	913	956	1003	1055	1113	1177	1075	996	943

 Indicates dimension recommended in JRC Design Guide

TABLE 2 - MAXIMUM LINE LOADS			
12" Sheave Line Load limited by Tread Pressure			
Cable Diameter	Cast	Steel	Nylon
1/4"	750	1500	5250

NOTE: The above values are based on block capacity only and do not reflect the capacity of the cable you use. Consult your wire rope manufacturer for the RWL for your particular cable.

[Index](#)

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100-61259x REV 7
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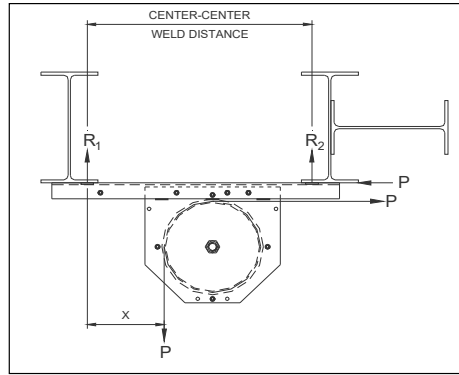
100-101259C25 REV 5

Base Angle: 2 x 1 1/2 x 1/4

Headblock Load Rating Table Instructions

NOTE: There are individual tables for each size and orientation of head block

- Review the LIMITS OF USE section shown on the right hand side of this document. If your project does not meet the LIMITS OF USE, please contact J R Clancy for further information.
- Review the project for the exact requirements of your specific head block. You will need to know the following information prior to using the head block load rating tables:
 - Orientation of block (upright or underhung) and for underhung, the attachment method.
 - Size of the block (sheave diameter at: 8", 12", or 16")
 - The clear distance between the supporting head steel flanges (NOT the beam centerline distance).
 - The distance from the onstage side of the offstage beam flange to the offstage handline.
- Once you know the above information find the tables that match the size and orientation of the headblock you need.
- Once you have located the tables for your particular block, on TABLE 1, go to the leftmost column on the table labeled "Clear Distance Between Flanges" or "Center - Center Weld Distance". Read down until you find the distance specific to your project.
- Next find the "Distance Between Offstage Beam Flange and Handline (Dimension X)" across the top row of the spreadsheet.
- Where your selected Row and Column intersect will be the Gross Load Capacity (in lbs) of your headblock.
- Next find the cable diameter and sheave type in TABLE 2 below. Calculate the Tread Pressure Limited Capacity by multiplying the maximum individual line load x the number of lift lines.
- Your final maximum RWL for your head block will be the lesser of:
 - the Gross RWL from the Table, OR
 - the Tread Pressure Limited Capacity.



Head Blocks - LIMITS OF USE

NOTE: RWL (Recommended Working Load) is a function of mounting conditions and is only valid when the following criteria are met:

- All lift lines wrap 90° around the sheave, all hand lines wrap 180° around the sheave.
- All headblocks mount on two beams, with the shaft between the beam centerlines.
- All cable fleet angles are less than 1.5°.
- For Underhung Headblocks, they shall be attached to structural steel in one of the following three methods:
 - beam clip angles, min. two 2" x 1 1/4" x 1/4" angles, back to back bolted with two 1/2" gr 5 bolts.
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 - 070-38850, 070-38875, 070-388100
 - welded directly to the beam, min. four 1/4" fillet welds at 1.5" in length ea.
- For Upright Headblocks they shall be attached to structural steel by either b), or c) above.
- The onstage connection to structure must have the bolt bear directly against the mounting steel in shear.
- CONTACT J R CLANCY FOR OTHER MOUNTING CONDITIONS.

NOTE: The above values are based on block capacity only and do not reflect the capacity of the cable you use. Consult your wire rope manufacturer for the RWL for your particular cable.

TABLE 1 - HEAD BLOCK GROSS LOAD CAPACITY (in lbs.) - 12" Single Purchase Underhung Head Block with Welds

Center - Center Weld Distance	Distance Between Offstage Weld Centerline and Offstage Handline (Dimension "X")																	
	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11
10	2534	2680	2844	3030	3242	3310	3310	3310	3310	3310	3310	3310						
11	2037	2787	2948	3129	3310	3310	3310	3310	3310	3310	3310	2510						
12	1707	2526	3040	3216	3310	3310	3310	3310	3310	3310	3310	2444	1996					
13	1501	2102	3123	3294	3310	3310	3310	3310	3310	3310	3310	2391	1930	1701				
14	1360	1837	2622	3310	3310	3310	3310	3310	3310	3310	3310	2348	1877	1635	1510			
15	1258	1657	2280	3310	3310	3310	3310	3310	3310	3310	3283	2311	1833	1582	1444	1376		
16	1180	1525	2047	2890	3310	3310	3310	3310	3310	3310	3257	2280	1797	1538	1391	1310	1276	
17	1120	1426	1878	2584	3310	3310	3310	3310	3310	3310	3157	2253	1765	1502	1347	1257	1211	1200
18	1070	1348	1749	2362	3310	3310	3310	3310	3310	3310	3148	2230	1739	1471	1310	1213	1158	1134
19	1030	1284	1648	2193	3072	3310	3310	3310	3310	3310	3139	2209	1715	1444	1279	1176	1114	1081
20	996	1233	1566	2061	2844	3310	3310	3310	3310	3310	3132	2191	1695	1421	1253	1145	1077	1037
21	967	1189	1499	1954	2666	3310	3310	3310	3310	3310	3125	2175	1677	1400	1229	1119	1046	1001
22	943	1152	1443	1866	2522	3310	3310	3310	3310	3310	3119	2161	1661	1382	1209	1095	1019	970
23	921	1120	1395	1793	2403	3310	3310	3310	3310	3310	3113	2148	1646	1366	1191	1075	996	943
24	902	1093	1354	1730	2304	3265	3310	3310	3310	3310	3108	2136	1633	1352	1175	1057	976	920

 Indicates dimension recommended in JRC Design Guide

TABLE 2 - MAXIMUM LINE LOADS			
12" Sheave Line Load limited by Tread Pressure			
Cable Diameter	Cast	Steel	Nylon
1/4"	750	1500	5250

NOTE: The above values are based on block capacity only and do not reflect the capacity of the cable you use. Consult your wire rope manufacturer for the RWL for your particular cable.

[Index](#)

THESE TABLES APPLY TO JRC PART NUMBERS:

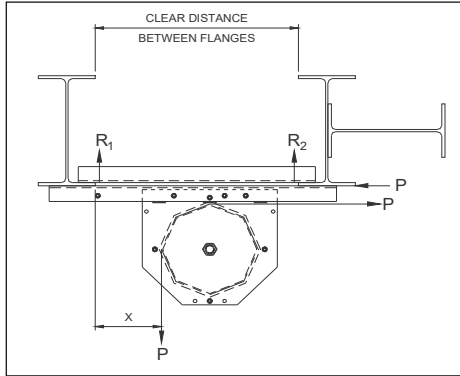
100-61259x25H REV 1
 100-81259x25H REV 1
 100-101259C25H REV 1

Base Angle: 3 1/2 x 2 x 1/4 (Formed)

Headblock Load Rating Table Instructions

NOTE: There are individual tables for each size and orientation of head block

- Review the LIMITS OF USE section shown on the right hand side of this document. If your project does not meet the LIMITS OF USE, please contact J R Clancy for further information.
- Review the project for the exact requirements of your specific head block. You will need to know the following information prior to using the head block load rating tables:
 - Orientation of block (upright or underhung) and for underhung, the attachment method.
 - Size of the block (sheave diameter at: 8", 12", or 16")
 - The clear distance between the supporting head steel flanges (NOT the beam centerline distance).
 - The distance from the onstage side of the offstage beam flange to the offstage handline.
- Once you know the above information find the tables that match the size and orientation of the headblock you need.
- Once you have located the tables for your particular block, on TABLE 1, go to the leftmost column on the table labeled "Clear Distance Between Flanges" or "Center - Center Weld Distance". Read down until you find the distance specific to your project.
- Next find the "Distance Between Offstage Beam Flange and Handline (Dimension X)" across the top row of the spreadsheet.
- Where your selected Row and Column intersect will be the Gross Load Capacity (in lbs) of your headblock.
- Next find the cable diameter and sheave type in TABLE 2 below. Calculate the Tread Pressure Limited Capacity by multiplying the maximum individual line load x the number of lift lines.
 - Your final maximum RWL for your head block will be the lesser of:
 - the Gross RWL from the Table, OR
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Head Blocks - LIMITS OF USE

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- CONTACT J R CLANCY FOR OTHER MOUNTING CONDITIONS.

NOTE: The above values are based on block capacity only and do not reflect the capacity of the cable you use. Consult your wire rope manufacturer for the RWL for your particular cable.

TABLE 1 - HEAD BLOCK GROSS LOAD CAPACITY (in lbs.) - 12" Single Purchase Underhung Head Block with Beam Angles

Clear Distance Between Flanges	Distance Between Offstage Beam Flange and Offstage Handline (Dimension "X")																			
	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11		
10	2213	2349	2502	2677	2878	3112	3310	3310	3310	3310	3310	3310								
11	2325	2459	2610	2780	2974	3198	3310	3310	3310	3310	3310	3310								
12	2425	2557	2705	2871	3058	3272	3310	3310	3310	3310	3310	3310	3310							
13	2515	2645	2790	2951	3132	3310	3310	3310	3310	3310	3310	3310	3310	3310						
14	2597	2724	2866	3022	3197	3310	3310	3310	3310	3310	3310	3310	3310	3310	3310					
15	2671	2796	2934	3086	3254	3310	3310	3310	3310	3310	3310	3310	3268	3279	3310	3310	3310			
16	2739	2862	2996	3144	3306	3310	3310	3310	3310	3310	3310	3310	3283	3217	3202	3236	3310	3310		
17	2802	2922	3053	3196	3310	3310	3310	3310	3310	3310	3310	3310	3257	3174	3138	3147	3199	3302	3310	3310
18	2859	2977	3104	3243	3310	3310	3310	3310	3310	3310	3310	3310	3157	3137	3084	3072	3099	3168	3285	3310
19	2912	3027	3152	3287	3310	3310	3310	3310	3310	3310	3310	3310	3148	2772	3037	3008	3015	3058	3141	3235
20	2938	3074	3195	3310	3310	3310	3310	3310	3310	3310	3310	3310	3139	2758	2500	2953	2943	2966	3022	3084
21	2841	3117	3236	3310	3310	3310	3310	3310	3310	3310	3310	3310	3132	2745	2482	2296	2882	2887	2923	2959
22	2759	3158	3273	3310	3310	3310	3310	3310	3310	3310	3310	3310	3125	2734	2466	2275	2139	2820	2838	2855
23	2689	3195	3308	3310	3310	3310	3310	3310	3310	3310	3310	3310	3119	2724	2451	2257	2115	2014	2766	2766
24	2627	3195	3310	3310	3310	3310	3310	3310	3310	3310	3310	3310	3113	2715	2438	2240	2094	1988	1911	2690

Indicates dimension recommended in JRC Design Guide

TABLE 2 - MAXIMUM LINE LOADS			
12" Sheave Line Load limited by Tread Pressure			
Cable Diameter	Cast	Steel	Nylon
1/4"	750	1500	5250

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[Index](#)

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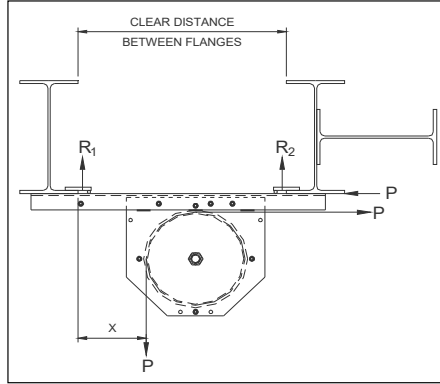
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- Your final maximum RWL for your head block will be the lesser of:
 - the Gross RWL from the Table, OR
 - the Tread Pressure Limited Capacity.

NOTE: The above values are based on block capacity only and do not reflect the capacity of the cable you use. Consult your wire rope manufacturer for the RWL for your particular cable.



Head Blocks - LIMITS OF USE

NOTE: RWL (Recommended Working Load) is a function of mounting conditions and is only valid when the following criteria are met:

- All lift lines wrap 90° around the sheave, all hand lines wrap 180° around the sheave.
- All headblocks mount on two beams, with the shaft between the beam centerlines.
- All cable fleet angles are less than 1.5°.
- For Underhung Headblocks, they shall be attached to structural steel in one of the following three methods:
 - beam clip angles, min. two 2" x 1 1/4" x 1/4" angles, back to back bolted with two 1/2" gr 5 bolts..
 - formed clips with two 1/2" gr 5 bolts, from one of the following JRC part #'s :
 - 070-38650, 070-38675, 070-388100
 - 070-38850, 070-38875, 070-388100
 - welded directly to the beam, min. four 1/4" fillet welds at 1.5" in length ea.
- For Upright Headblocks they shall be attached to structural steel by either b), or c) above.
- The onstage connection to structure must have the bolt bear directly against the mounting steel in shear.
- CONTACT J R CLANCY FOR OTHER MOUNTING CONDITIONS.

TABLE 1 - HEAD BLOCK GROSS LOAD CAPACITY (in lbs.) - 12" Single Purchase Underhung Head Block with Beam Clips

Clear Distance Between Flanges	Distance Between Offstage Beam Flange and Offstage Handline (Dimension "X")																	
	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11
10	461	489	521	557	599	648	705	773	856	959	1090							
11	484	512	543	579	619	666	720	783	859	951	1066	1212						
12	505	532	563	597	636	681	732	792	862	945	1047	1172	1333					
13	523	551	581	614	652	694	743	799	864	940	1031	1142	1279	1454				
14	540	567	596	629	665	706	752	805	865	935	1018	1117	1237	1386	1575			
15	556	582	611	642	677	716	760	810	867	932	1007	1096	1203	1332	1492	1696		
16	570	596	624	654	688	726	768	815	868	929	998	1079	1175	1289	1427	1599	1729	
17	583	608	635	665	698	734	774	819	869	926	990	1065	1151	1253	1375	1522	1705	1632
18	595	620	646	675	707	742	780	822	870	923	984	1052	1131	1223	1331	1461	1617	1734
19	606	630	656	684	715	748	785	826	871	921	978	1042	1114	1198	1295	1410	1546	1713
20	616	640	665	692	722	754	790	829	872	919	972	1032	1099	1176	1265	1367	1488	1632
21	626	649	673	700	729	760	794	831	872	918	968	1024	1086	1157	1238	1331	1439	1566
22	635	657	681	707	735	765	798	834	873	916	963	1016	1075	1141	1215	1300	1398	1511
23	643	665	688	714	741	770	802	836	874	915	960	1009	1064	1126	1195	1273	1362	1464
24	651	672	695	720	746	774	805	838	874	913	956	1003	1055	1113	1177	1249	1331	1424

 Indicates dimension recommended in JRC Design Guide

TABLE 2 - MAXIMUM LINE LOADS			
12" Sheave Line Load limited by Tread Pressure			
Cable Diameter	Cast	Steel	Nylon
1/4"	750	1500	5250

NOTE: The above values are based on block capacity only and do not reflect the capacity of the cable you use. Consult your wire rope manufacturer for the RWL for your particular cable.

[Index](#)

THESE TABLES APPLY TO JRC PART NUMBERS:

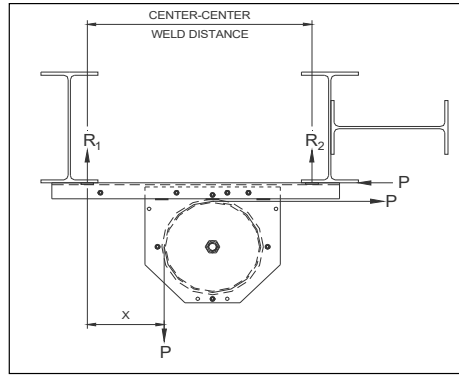
100-61259x25H REV 1
 100-81259x25H REV 1
 100-101259C25H REV 1

Base Angle: 3 1/2 x 2 x 1/4 (Formed)

Headblock Load Rating Table Instructions

NOTE: There are individual tables for each size and orientation of head block

- Review the LIMITS OF USE section shown on the right hand side of this document. If your project does not meet the LIMITS OF USE, please contact J R Clancy for further information.
- Review the project for the exact requirements of your specific head block. You will need to know the following information prior to using the head block load rating tables:
 - Orientation of block (upright or underhung) and for underhung, the attachment method.
 - Size of the block (sheave diameter at: 8", 12", or 16")
 - The clear distance between the supporting head steel flanges (NOT the beam centerline distance).
 - The distance from the onstage side of the offstage beam flange to the offstage handline.
- Once you know the above information find the tables that match the size and orientation of the headblock you need.
- Once you have located the tables for your particular block, on TABLE 1, go to the leftmost column on the table labeled "Clear Distance Between Flanges" or "Center - Center Weld Distance". Read down until you find the distance specific to your project.
- Next find the "Distance Between Offstage Beam Flange and Handline (Dimension X)" across the top row of the spreadsheet.
- Where your selected Row and Column intersect will be the Gross Load Capacity (in lbs) of your headblock.
- Next find the cable diameter and sheave type in TABLE 2 below. Calculate the Tread Pressure Limited Capacity by multiplying the maximum individual line load x the number of lift lines.
- Your final maximum RWL for your head block will be the lesser of:
 - the Gross RWL from the Table, OR
 - the Tread Pressure Limited Capacity.



Head Blocks - LIMITS OF USE

NOTE: RWL (Recommended Working Load) is a function of mounting conditions and is only valid when the following criteria are met:

- All lift lines wrap 90° around the sheave, all hand lines wrap 180° around the sheave.
- All headblocks mount on two beams, with the shaft between the beam centerlines.
- All cable fleet angles are less than 1.5°.
- For Underhung Headblocks, they shall be attached to structural steel in one of the following three methods:
 - beam clip angles, min. two 2" x 1 1/4" x 1/4" angles, back to back bolted with two 1/2" gr 5 bolts.
 - formed clips with two 1/2" gr 5 bolts, from one of the following JRC part #'s :
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 - welded directly to the beam, min. four 1/4" fillet welds at 1.5" in length ea.
- For Upright Headblocks they shall be attached to structural steel by either b), or c) above.
- The onstage connection to structure must have the bolt bear directly against the mounting steel in shear.
- CONTACT J R CLANCY FOR OTHER MOUNTING CONDITIONS.

NOTE: The above values are based on block capacity only and do not reflect the capacity of the cable you use. Consult your wire rope manufacturer for the RWL for your particular cable.

TABLE 1 - HEAD BLOCK GROSS LOAD CAPACITY (in lbs.) - 12" Single Purchase Underhung Head Block with Welds

Center - Center Weld Distance	Distance Between Offstage Weld Centerline and Offstage Handline (Dimension "X")																		
	-6	-5	-4	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	
10	2534	2680	2844	3030	3242	3310	3310	3310	3310	3310	3310	3310							
11	2643	2787	2948	3129	3310	3310	3310	3310	3310	3310	3310	3310	3310						
12	2741	2883	3040	3216	3310	3310	3310	3310	3310	3310	3310	3310	3310						
13	2830	2969	3123	3294	3310	3310	3310	3310	3310	3310	3310	3310	3310	3310					
14	2911	3048	3198	3310	3310	3310	3310	3310	3310	3310	3310	3310	3268	3279	3310	3310			
15	2985	3119	3265	3310	3310	3310	3310	3310	3310	3310	3310	3283	3217	3202	3236	3310	3310		
16	3053	3184	3310	3310	3310	3310	3310	3310	3310	3310	3310	3257	3174	3138	3147	3199	3302	3310	
17	3116	3244	3310	3310	3310	3310	3310	3310	3310	3310	3310	3157	3137	3084	3072	3099	3168	3285	3310
18	3053	3299	3310	3310	3310	3310	3310	3310	3310	3310	3310	3148	2772	3037	3008	3015	3058	3141	3235
19	2938	3310	3310	3310	3310	3310	3310	3310	3310	3310	3310	3139	2758	2500	2953	2943	2966	3022	3084
20	2841	3310	3310	3310	3310	3310	3310	3310	3310	3310	3310	3132	2745	2482	2296	2882	2887	2923	2959
21	2759	3310	3310	3310	3310	3310	3310	3310	3310	3310	3310	3125	2734	2466	2275	2139	2820	2838	2855
22	2689	3286	3310	3310	3310	3310	3310	3310	3310	3310	3310	3119	2724	2451	2257	2115	2014	2766	2766
23	2627	3195	3310	3310	3310	3310	3310	3310	3310	3310	3310	3113	2715	2438	2240	2094	1988	1911	2690
24	2573	3116	3310	3310	3310	3310	3310	3310	3310	3310	3310	3108	2706	2427	2225	2076	1965	1884	1826

 Indicates dimension recommended in JRC Design Guide

TABLE 2 - MAXIMUM LINE LOADS			
12" Sheave Line Load limited by Tread Pressure			
Cable Diameter	Cast	Steel	Nylon
1/4"	750	1500	5250

NOTE: The above values are based on block capacity only and do not reflect the capacity of the cable you use. Consult your wire rope manufacturer for the RWL for your particular cable.

[Index](#)