Hewitt-Robins
CONVEYOR COMPONENTS

Pulleys

Welded Steel Drum Pulleys

Hewitt-Robins drum pulleys are designed utilizing a single-piece rolled plate rim, continuously welded end discs and extra strength intermediate discs, as required. End disc accuracy is assured by utilizing computer controlled processes. Pulleys are tested for T.I.R. requirements and supplied with hubs bored as specified by the customer. As a standard, drum pulleys are crowned* to assist with proper belt alignment. Straight face designs are available, but must be specified.

*Hewitt-Robins pulleys are crowned 1/16" to 1/8" on the diameter per foot of total face width.

Highlights:

- Crown face standard—straight face available upon request.
- Hubs welded inside and outside of end disc to ensure strength and increased life.
- Heavy duty pulleys meet all CEMA/ANSI specifications.
- Mine duty pulleys constructed for severe applications.
- XT EQUIVALENT hubs and bushings are standard. QD hubs are available.

Options:

- Hot vulcanized lagging
- Shafts
- Mounted bearings
- Take-ups
- Keyless locking assemblies
- Machined faces for close T.I.R. tolerances

Hewitt-Robins provides vulcanized rubber lagging as an option. Lagged pulleys are most often used on the head shaft pulley where friction is desired between the belting and pulley or to prevent slippage and prolong wear life when excessive foreign materials are present. Lagging can be furnished in various thicknesses and types.

As an option, Hewitt-Robins can supply slide lagging pulleys. This type pulley can reduce downtime and save money if pulley lagging needs to be replaced immediately or if the pulley is in a restricted space. Slide lagging can be applied on-site and typically allows a pulley to return to service much quicker than utilizing conventional pulley lagging methods.

Ceremic, urethane, and a variety of other lagging types are available. Contact your Hewitt-Robins representative for complete details.

Caution: CEMA duty and mine duty pulleys are not designed for applications using steel cable belts.

Heavy Duty CEMA Class Drum Pulleys with Tapered XT Bushings Included

Dia	XT Hub	Max Bore	12" Face	14" Face	16" Face	18" Face	20" Face	22" Face	24" Face	26" Face	30" Face	32" Face	36" Face
			Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.
10"	25	2 7/16	45	49	53	56	60	63	67	77	85	88	96
	35	3 7/16	57	60	64	67	71	75	79	88	95	99	106
	40	3 15/16	67	70	74	79	82	88	89	97	105	103	116
12"	25	2 7/16	55	60	64	68	72	78	82	94	103	107	116
	35	3 7/16	67	71	75	80	85	89	93	104	116	121	130
	40	3 15/16	78	82	86	91	95	99	103	114	126	131	140
14"	25	2 7/16	62	67	72	78	83	88	92	108	118	123	139
	35	3 7/16	73	78	84	89	94	99	104	119	139	144	154
	40	3 15/16	85	90	95	100	105	109	119	130	171	179	192
	45	4 7/16	118	124	132	138	145	152	158	173	187	194	207
16"	25	2 7/16	72	79	85	90	96	101	107	128	139	145	156
	35	3 7/16	85	90	96	102	107	113	119	138	150	155	180
	40	3 15/16	95	101	106	112	118	123	139	148	160	165	189
	45	4 7/16	134	141	149	156	164	171	180	198	213	221	237
18"	25	2 7/16	97	105	114	122	131	139	146	173	191	200	216
	35	3 7/16	108	117	125	134	143	151	159	185	202	210	227
	40	3 15/16	119	128	136	145	145	161	170	195	212	220	238
	45	4 7/16	137	145	153	162	170	179	188	211	228	237	254
	60	5 7/16	181	190	199	207	215	224	233	255	272	281	298
20"	25	2 7/16	111	120	130	139	148	158	167	198	217	226	248
	35	3 7/16	122	132	141	151	160	169	179	209	226	238	257
	40	3 15/16	133	143	152	161	170	180	190	219	239	248	287
	45	4 7/16	150	160	169	171	188	197	207	236	254	259	283
	60	5 7/16	200	209	218	227	238	247	256	284	303	312	330
24"	25	2 7/16	141	153	164	175	186	197	209	251	273	285	304
	35	3 7/16	153	164	175	187	195	209	220	262	285	296	319
	40	3 15/16	164	174	186	197	206	219	231	272	295	306	328
	45	4 7/16	181	192	203	214	225	237	246	289	311	322	345
	60	5 7/16	240	251	262	273	285	296	307	347	369	380	403
	60	6	316	330	344	358	371	286	400	440	466	481	510
30"	35	3 7/16	251	266	286	303	320	338	355	420	455	472	507
	40	3 15/16	261	278	296	313	330	348	365	430	465	482	517
	45	4 7/16	277	295	312	329	340	385	383	446	480	496	532
	60	5 7/16	308	326	344	361	379	397	414	476	511	528	583
	60	6	343	360	377	395	412	429	447	509	544	561	596
36"	40	3 15/16	396	421	446	470	496	620	546	656	706	731	781
	45	4 7/16	412	437	462	487	512	537	562	671	720	746	796
	60	5 7/16	401	468	493	518	543	566	593	701	750	775	835
	60	6	395	461	526	551	576	601	625	732	782	807	857
	70	7	420	490	560	630	655	680	705	809	859	883	933
42"	45	4 7/16	464	541	618	696	724	754	782	928	966	1015	1073
	60	5 7/16	483	564	645	725	755	783	813	957	1015	1043	1102
	70	6 15/16	505	589	674	758	786	816	845	988	1047	1075	1133
	70	7	558	649	742	834	834	893	922	1082	1011	1149	1207
48"	45	4 7/16	569	664	759	854	866	920	953	1171	1237	1270	1337
	60	5 7/16	589	687	785	883	916	950	982	1189	1265	1298	1385
	60	6	611	712	814	916	949	982	1015	1230	1296	1329	1395
	70	7	662	772	882	992	1025	1059	1091	1344	1389	1403	1469
54"	60	5 7/16	705	823	940	1058	1094	1132	1169	1440	1515	1552	1627
	60	6	726	847	988	1059	1127	1164	1202	1472	1546	1583	1658
	70	7	778	906	1037	1116	1204	1241	1276	1545	1620	1656	1731
60"	60	5 7/16	832	971	1110	1248	1289	1330	1372	1705	1787	1829	1808
	60	6	853	995	1136	1280	1252	1383	1405	1736	1819	1859	2194
	70	7	905	1056	1207	1358	1398	1439	1481	1809	1892	1933	2266

For mine duty drums consult factory. All weights are approximate. Consult factory for certified specifications.

Heavy Duty CEMA Class Drum Pulleys with Tapered XT Bushings Included

Dia	XT Hub	Max Bore	38" Face	40" Face	42" Face	44" Face	46" Face	51" Face	54" Face	57" Face	60" Face	63" Face	66" Face
			Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.
10"	25	2 7/16	99	103	107	110	119	129	147	155	162	170	181
	35	3 7/16	110	114	117	121	130	139	168	176	183	189	193
	40	3 15/16	120	123	128	132	139	148	173	184	191	199	207
12"	25	2 7/16	120	125	130	134	146	156	192	201	210	219	234
	35	3 7/16	135	139	143	148	159	169	214	223	232	239	254
	40	3 15/16	144	149	153	157	167	179	222	231	240	249	282
14"	25	2 7/16	144	186	192	199	215	233	243	252	262	272	293
	35	3 7/16	159	205	211	218	234	251	251	271	282	292	210
	40	3 15/16	199	214	220	227	243	259	269	279	290	300	318
	45	4 7/16	213	220	227	234	248	285	274	285	302	312	329
16"	25	2 7/16	162	210	218	225	253	271	284	295	306	317	342
	35	3 7/16	165	240	247	255	274	294	305	316	328	340	363
	40	3 15/16	195	249	256	263	284	302	314	325	337	348	371
	45	4 7/16	244	262	289	277	296	315	326	338	349	361	383
18"	25	2 7/16	225	234	242	251	285	305	326	340	352	365	395
	35	3 7/16	237	260	269	277	316	340	352	365	377	391	419
	40	3 15/16	246	270	278	288	326	348	361	373	387	399	427
	45	4 7/16	282	285	294	302	325	347	428	445	460	475	506
	60	5 7/16	306	327	337	345	366	388	469	485	501	516	546
20"	25	2 7/16	255	264	273	284	322	357	391	405	419	434	468
	35	3 7/16	266	275	285	295	334	358	402	416	430	445	479
	40	3 15/16	276	286	295	305	344	365	411	424	439	453	488
	45	4 7/16	293	302	311	320	438	466	485	502	519	537	573
	60	5 7/16	341	350	359	359	464	494	512	529	547	564	600
24"	25	2 7/16	315	319	330	342	383	411	461	477	494	511	558
	35	3 7/16	330	342	353	364	405	434	480	497	514	530	577
	40	3 15/16	341	352	363	374	415	433	469	506	523	540	587
	45	4 7/16	356	450	464	473	520	555	576	597	618	640	669
	60	5 7/16	414	506	520	535	575	610	631	653	673	695	743
	60	6	524	538	552	566	606	641	748	773	824	849	906
30"	35	3 7/16	524	542	559	576	766	818	850	880	912	944	1032
	40	3 15/16	534	552	569	587	777	828	860	890	922	954	1042
	45	4 7/16	550	567	584	602	789	842	872	904	935	965	1055
	60	5 7/16	580	598	615	632	817	869	901	932	963	995	1081
	60	6	613	630	648	665	848	901	931	983	995	1025	1111
36"	40	3 15/16	806	830	856	880	991	1054	1091	1128	1166	1204	1326
	45	4 7/16	820	846	870	896	1005	1067	1104	1141	1170	1216	1338
	60	5 7/16	850	875	900	925	1032	1094	1132	1170	1207	1244	1385
	60	6	882	907	932	957	1064	1128	1163	1201	1238	1275	1394
	70	7	958	983	1008	1033	1136	1199	1238	1274	1311	1348	1465
42"	45	4 7/16	1103	1131	1161	1089	1335	1408	1451	1491	1538	1582	1742
	60	5 7/16	1131	1160	1189	1218	1362	1435	1478	1522	1566	1609	1768
	70	6 15/16	1162	1191	1220	1250	1392	1465	1509	1552	1595	1639	1796
	70	7	1236	1265	1293	1323	1463	1535	1891	1949	2008	2067	2257
48"	45	4 7/16	1369	1403	1436	1468	1944	2055	2121	2188	2255	2322	2570
	60	5 7/16	1397	1413	1464	1496	1972	2083	2149	2216	2283	2350	2596
	60	6	1429	1462	1494	1528	2001	2112	2180	2246	2313	2380	2627
	70	7	1501	1535	1568	1601	2071	2182	2249	2315	2383	2449	2892
54"	60	5 7/16	1664	1953	2003	2053	2336	2481	2536	2811	2856	2761	3068
	60	6	1695	1985	2035	2089	2385	2491	2565	2641	2715	2791	3097
	70	7	1769	2058	2108	2158	2435	2560	2263	2710	2785	2880	3162
60"	60	5 7/16	1862	2170	2226	2281	2595	2735	2817	2901	2984	2066	3409
	60	6	2492	2304	2360	2415	2759	2893	2980	3064	3147	3230	3602
	70	7	2323	2378	2433	2489	2828	2967	3050	3133	3216	3300	3667

For mine duty drums consult factory. All weights are approximate. Consult factory for certified specifications.

Heavy Duty CEMA Class Wing Pulleys with Tapered XT Bushings Included

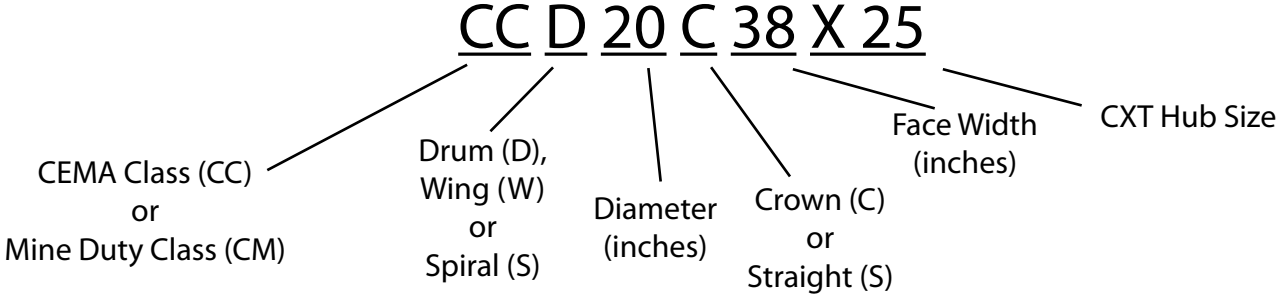
Dia	XT Hub	Max Bore	12" Face	14" Face	16" Face	18" Face	20" Face	22" Face	24" Face	26" Face	30" Face	32" Face	36" Face
			Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.
8"	25	2 7/16	32	36	40	44	48	52	56	60	68	72	81
10"	30	2 15/16	40	45	50	55	60	66	71	77	88	93	104
	35	3 7/16	49	54	59	65	70	75	81	86	97	102	112
	40	3 15/16	62	63	68	73	80	84	89	95	105	111	121
12"	30	2 15/16	50	57	64	71	80	87	94	101	116	123	138
	35	3 7/16	59	68	73	80	87	94	101	108	122	130	144
	40	3 15/16	72	75	82	89	96	103	110	117	132	149	154
14"	30	2 15/16	61	70	79	88	97	106	115	124	143	152	170
	35	3 7/16	69	79	87	96	104	111	121	130	149	157	175
	40	3 15/16	83	87	96	104	113	121	131	140	157	166	185
	45	4 7/16	104	106	111	120	129	137	146	154	171	181	197
16"	30	2 15/16	69	80	90	99	109	119	131	141	161	171	193
	35	3 7/16	78	87	97	107	116	126	137	147	167	177	198
	40	3 15/16	91	96	105	115	125	135	146	155	175	186	206
	45	4 7/16	113	106	121	131	141	150	160	169	190	199	219
18"	30	2 15/16	87	100	112	125	138	151	164	177	204	217	245
	35	3 7/16	94	106	118	131	143	153	168	182	207	220	247
	40	3 15/16	107	113	125	138	151	166	174	189	214	227	253
	45	4 7/16	130	135	141	152	164	176	189	201	223	239	263
	60	5 7/16	158	163	168	181	194	206	219	232	258	270	297
20"	30	2 15/16	110	125	142	158	174	192	206	224	258	275	309
	35	3 7/16	116	132	148	163	180	196	212	228	261	277	311
	40	3 15/16	131	139	155	170	187	203	219	236	268	285	317
	45	4 7/16	152	161	169	185	200	215	232	248	279	296	327
	60	5 7/16	181	189	197	212	228	245	261	277	310	327	360
24"	30	2 15/16	168	194	219	246	272	289	325	353	406	434	488
	35	3 7/16	170	195	220	248	271	297	332	359	409	426	479
	40	3 15/16	185	199	223	249	274	299	324	351	420	530	480
	45	4 7/16	232	245	259	283	307	332	356	380	430	455	505
	60	5 7/16	254	266	278	303	326	351	375	400	449	473	523
	60	6	274	285	325	338	362	367	410	435	485	509	559
30"	35	3 7/16	213	244	275	307	339	371	403	436	501	533	599
	40	3 15/16	231	248	279	311	343	374	405	439	508	663	601
	45	4 7/16	289	308	324	353	384	414	445	478	538	569	631
	60	5 7/16	317	333	348	379	408	449	469	500	561	592	654
	60	6	376	391	407	422	453	483	513	543	606	636	699

For mine duty wings consult factory. All weights are approximate. Consult factory for certified specifications.

Heavy Duty CEMA Class Wing Pulleys with Tapered XT Bushings Included

Dia	XT Hub	Max Bore	38" Face	40" Face	42" Face	44" Face	46" Face	51" Face	54" Face	57" Face	60" Face	63" Face	66" Face
			Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Lbs.
8"	25	2 7/16	85	92	97	100	117	116	123	130	136	143	150
10"	30	2 15/16	109	115	121	125	147	145	153	163	170	179	187
	35	3 7/16	117	123	130	136	142	157	167	176	186	194	204
	40	3 15/16	127	113	140	147	154	170	180	190	200	210	200
12"	30	2 15/16	146	153	161	168	176	191	205	217	227	274	287
	35	3 7/16	151	158	166	172	189	206	320	338	355	373	393
	40	3 15/16	161	168	177	183	197	216	321	339	356	374	394
14"	30	2 15/16	180	189	196	207	216	239	380	401	422	443	465
	35	3 7/16	185	195	203	211	220	243	373	393	414	435	455
	40	3 15/16	194	203	213	220	230	252	375	395	416	436	456
	45	4 7/16	206	214	225	232	241	262	373	393	413	432	452
16"	30	2 15/16	203	214	225	235	245	271	434	459	482	507	531
	35	3 7/16	208	218	229	239	249	275	427	450	473	497	521
	40	3 15/16	217	227	239	248	258	284	428	452	475	499	521
	45	4 7/16	230	239	251	259	269	294	427	449	472	494	516
18"	30	2 15/16	258	271	285	298	312	346	488	516	543	570	547
	35	3 7/16	259	272	286	299	312	345	480	507	532	559	540
	40	3 15/16	266	279	293	306	318	352	482	509	534	561	544
	45	4 7/16	276	289	303	314	326	358	480	505	531	555	545
	60	5 7/16	310	323	340	349	362	395	504	529	554	579	579
20"	30	2 15/16	326	344	361	377	395	438	543	573	603	633	664
	35	3 7/16	327	345	362	377	395	437	533	563	592	621	651
	40	3 15/16	335	351	368	388	401	443	536	565	594	623	652
	45	4 7/16	344	360	378	393	408	439	533	561	590	617	645
	60	5 7/16	377	394	413	427	444	486	560	588	616	644	672
24"	30	2 15/16	539	565	593	620	648	717	757	796	844	885	927
	35	3 7/16	529	556	584	608	634	701	741	787	828	868	909
	40	3 15/16	529	556	584	608	634	700	740	787	827	867	906
	45	4 7/16	530	566	584	606	631	695	746	796	826	899	907
	60	5 7/16	548	573	602	623	648	730	771	812	854	896	936
	60	6	583	609	639	659	708	779	823	868	913	959	1007
30"	35	3 7/16	662	695	730	760	793	876	926	964	1035	1065	1136
	40	3 15/16	662	669	730	760	793	875	924	963	1034	1084	1135
	45	4 7/16	664	695	730	767	789	868	932	982	1033	1083	1134
	60	5 7/16	685	717	752	779	810	912	963	1015	1068	1120	1174
	60	6	729	761	799	824	884	974	1029	1064	1141	1196	1259

Part Number Identification



For mine duty wings consult factory. All weights are approximate. Consult factory for certified specifications.

Welded Steel Wing Pulleys

Hewitt-Robins wing pulleys are designed for applications where moisture, sticky product or falling material cause excessive pulley face buildup. This buildup can lead to belt training problems and accelerated wear on your conveyor. Standard wing pulleys are crowned to assist with proper belt alignment. Pulley end discs are machine forged or CNC cut and double-checked for accuracy during the manufacturing process. Wing pulleys promote a cleaning action that makes this design desirable for many applications.

Lagged wing pulleys are available.

Highlights:

- Crown face standard—straight face available upon request.
- CEMA duty pulleys meet all CEMA/ ANSI requirements.
- Mine duty pulleys constructed for severe applications.
- XT EQUIVALENT hubs and bushings are standard. QD hubs are available.

Options:

- Lagged wing pulleys
- Spiral wing pulleys
- Shafts
- Mounted bearings

Important Information for Proper Pulley Selection and Application

Pulley Type (Drum or Wing) _____ STD Duty or Mine Duty _____

Pulley Diameter (inches) _____ Face Width (inches) _____

Crown Face or Straight Face: _____

Bushing Type (XT standard, QD available) _____

Bushing Bore (inches) _____

Plain or Lagged: _____

If Lagged, Type of Lagging: Plain _____ Herringbone _____ Diamond _____

If shaft is required, please furnish drawing or complete dimensional information.

Bearings Required: _____ Type: _____

Shown above is an original idler Mr. Robins designed and supplied to Thomas Edison in 1896.

Your Conveyor Source
for More Than a Century

You can count on Hewitt-Robins

For Product Performance: Although primitive belt conveyors were in use as early as 1830, it wasn't until 1891 that Thomas Robins, founder of our company, developed the first practical conveyor system for moving heavy and abrasive materials utilizing steel, in-line idlers and rubber covered belting. The first Robins-designed conveyor was installed at Thomas Edison's iron ore mine in New Jersey. Thomas Robins' pride in producing the most reliable conveyor components available continues to this day to motivate Hewitt-Robins design and manufacturing engineers.

For Problem Solving Innovations: Continuous development and testing programs, both in the field and in the lab, continue to produce new solutions to old problems and carry on the traditions started by Thomas Robins.

For Quick Delivery From Stock: Most commonly used sizes and styles of Hewitt-Robins idlers are stocked in scores of distributor and warehouse locations throughout the United States and in other countries. In many instances, the replacement idlers and service parts you need to get back into production can be obtained in a matter of hours.

For Nationwide Sales and Service: Experienced Hewitt-Robins distributors and Area Managers will help you select the most economical style and size of idler to meet your conveying requirements. Because idlers represent a major portion of a conveyor's cost, proper selection based on economics as well as sound engineering principles can result in substantial savings in capital outlay. That's why we urge you to take advantage of Hewitt-Robins' experience during the initial stages of your conveyor design. No one knows more about idlers than Hewitt-Robins. Good reason to call us first.

Hewitt-Robins
CONVEYOR COMPONENTS
129 Enterprise Drive, Pueblo West, CO 81007
Phone: (205) 487-1931 Fax: (205) 487-1935
E-mail: sales@hewitt-robins.com
Website: www.hewitt-robins.com

Call 1-800-388-7701 for the distributor nearest you.