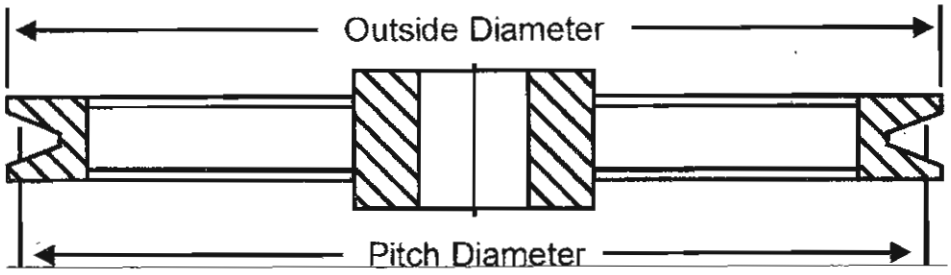
PULLEYS: OUTSIDE DIAMETER TO PITCH DIAMETER



PITCH DIAMETER IS THE DIAMETER THAT THE TENSION CORD OF A BELT WILL FIT IN THE SHEAVE GROOVE.

PULLEY (SHEAVE) SELECTION TABLES

Outside Diameter of Pulley on Motor	Outside Diameter of Pulley on Equipment														
Equipment Speed in revolutions per minute (rpm) for motors turning 850 rpm															
	1.50	2.00	2.25	2.50	2.75	3.00	350	4.00	4.50	5.00	6.00	7.00	8.00	9.00	10.00
1.50	850	638	567	510	464	425	364	319	283	255	213	182	159	142	128
2.00	1133	850	756	680	618	567	486	425	378	340	283	243	213	189	170
2.25	1275	956	850	765	695	638	546	478	425	383	319	273	239	213	191
2.50	1417	1063	944	850	773	708	607	531	472	425	354	304	266	236	213
2.75	1558	1169	1039	935	850	779	668	584	519	468	390	334	292	260	234
3.00	1700	1275	1133	1020	927	850	729	638	567	510	425	364	319	283	255
3.50	1983	1488	1322	1190	1082	992	850	744	661	595	496	425	372	331	298
4.00	2267	1700	1511	1360	1236	1133	971	850	756	680	567	486	425	378	340
4.50	2550	1913	1700	1530	1391	1275	1093	956	850	765	638	546	478	425	383
5.00	2833	2125	1889	1700	1545	1417	1214	1063	944	850	708	607	531	472	425
6.00	3400	2550	2267	2040	1855	1700	1457	1275	1133	1020	850	729	638	567	510
7.00	3967	2975	2644	2380	2164	1983	1700	1488	1322	1190	992	850	744	661	595
8.00	4533	3000	3022	2720	2473	2267	1943	1700	1511	1360	1133	971	850	756	680
9.00	5100	3825	3400	3060	2782	2550	2186	1913	1700	1530	1275	1093	956	850	765
10.00	5667	4250	3778	3400	3091	2833	2429	2125	1889	1700	1417	1214	1063	944	850
Equipment Speed in revolutions per minute (rpm) for motors turning 1050 rpm															
1.50	1050	788	700	630	573	525	450	394	350	315	263	225	197	- - -	- - -
2.00	1400	1050	933	840	764	700	600	525	467	420	350	300	263	233	- - -
2.25	1575	1181	1050	945	859	788	675	591	525	473	394	338	295	263	236
2.50	1750	1313	1167	1050	955	875	750	656	583	525	438	375	328	292	263
2.75	1925	1444	1283	1155	1050	963	825	722	642	578	481	413	361	321	289
3.00	2100	1575	1400	1260	1145	1050	900	788	700	630	525	450	394	350	315
3.50	2450	1838	1633	1470	1336	1225	1050	919	817	735	613	525	459	408	368
4.00	2800	2100	1867	1680	1527	1400	1200	1050	933	840	700	600	525	467	420
4.50	3150	2363	2100	1890	1718	1575	1350	1181	1050	945	788	675	591	525	473
5.00	3500	2625	2333	2100	1909	1750	1500	1313	1167	1050	875	750	656	583	525
6.00	4200	3150	2800	2520	2291	2100	1800	1575	1400	1260	1050	900	788	700	630
7.00	4900	3675	3267	2940	2673	2450	2100	1838	1633	1470	1225	1050	919	817	735
8.00	5600	4200	3733	3360	3055	2800	2400	2100	1867	1680	1400	1200	1050	933	840
9.00	6300	4725	4200	3780	3436	3150	2700	2363	2100	1890	1575	1350	1181	1050	945
10.00	7000	5250	4667	4200	3818	3500	3000	2625	2333	2100	1750	1500	1313	1167	1050