

Sheave with cylindrical roller bearings



Product information

General:

Besides being an integral part of blocks, sheaves are also used in a wide variety of applications, not only limited to cranes. Ropeblock has developed a standard line of sheaves that are used for most wireropes. Standard production is cast ductile iron with graphite lubricated grooves, however, cast steel, nylon and welded fabrication is also possible.

Some key benefits of ropeblock sheaves:

- Optimal groove opening angle coping with fleet angle problems.
- Wide range of bearing options to meet your specific requirement.
- Self-lubricating "graphite-rich" grooves to promote wire rope longevity.
- Optimally designed to reduce fatigue.

Options:

- Finish depending on application.
- Different shaft sizes possible.
- Groove may be adjusted to other wire rope diameters.

Part Code	Rope Ø range mm	Bearing	Model no.	Groove radius	Bearing	d mm	E mm	F mm	R mm	D1 mm	D2 mm	D3 mm	Ø G mm	Weight kg
140101000244	10	Roller bearing	SE .250 .5008B .5,5	5.5	SL04 5008PP	10	32	38	5.5	290	250	260	40	5.9
140101100244	11	Roller bearing	SE .250 .5008B .6	6	SL04 5008PP	11	32	38	6	290	250	261	40	5.8
140101300244	13	Roller bearing	SE .250 .5008B .7,2	7.2	SL04 5008PP	13	32	38	7.2	290	250	263	40	6.2
140101300244	13	Roller bearing	SE .280 .5010B .7	7	SL04 5010PP	13	36	40	7	320	280	293	50	8.1
140101300244	13	Roller bearing	SE .280 .5010 .7	7	SL04 5010PP	13	36	40	7	320	280	293	50	8.1
140101300244	13	Roller bearing	SE .280 .5012 .7	7	SL04 5012PP	13	42	46	7	320	280	293	60	9.4
140101400244	14	Roller bearing	SE .260 .5012 .7,5	7.5	SL04 5012PP	14	42	46	7.5	300	260	274	60	9.6

140101500244	15	Roller bearing	SE .280 .5012 .8	8	SL04 5012PP	15	42	46	8	320	280	295	60	9.2
140101600244	16	Roller bearing	SE .295 .5008B .8,5	8.5	SL04 5008PP	16	32	38	8.5	330	295	311	40	8.8
140101600244	16	Roller bearing	SE .280 .5012 .8,5	8.5	SL04 5012PP	16	42	46	8.5	320	280	296	60	9.1
140101600244	16	Roller bearing	SE .260 .5012 .8,5	8.5	SL04 5012PP	16	42	46	8.5	300	260	276	60	9.1
140101600244	16	Roller bearing	SE .320 .5013 .8,5	8.5	SL04 5013PP	16	42	46	8.5	365	320	336	65	13.5
140101600244	16	Roller bearing	SE .355 .5013 .8,5	8.5	SL04 5013PP	16	42	46	8.5	410	355	371	65	18.3
140101600244	16	Roller bearing	SE .360 .5016 .8,5	8.5	SL04 5016PP	16	55	60	8.5	420	360	376	80	21.9
140101600244	16	Roller bearing	SE .400 .5013 .8,5	8.5	SL04 5013PP	16	43	46	8.5	460	400	416	65	25.4
140101700244	17	Roller bearing	SE .355 .5013 .9	9	SL04 5013PP	17	42	46	9	410	355	372	65	18.1
140101800244	18	Roller bearing	SE .345 .5010B .9,5	9.5	SL04 5010PP	18	36	40	9.5	385	345	363	50	12.5
140101800244	18	Roller bearing	SE .354 .5013 .9,5	9.5	SL04 5013PP	18	42	46	9.5	400	354	372	65	16.5
140101800244	18	Roller bearing	SE .355 .5013 .9,5	9.5	SL04 5013PP	18	42	46	9.5	410	355	373	65	18
140101800244	18	Roller bearing	SE .360 .5016 .9,5	9.5	SL04 5016PP	18	55	60	9.5	420	360	378	80	21.6
140101800244	18	Roller bearing	SE .400 .5013 .9,5	9.5	SL04 5013PP	18	43	46	9.5	460	400	418	65	25
140101800244	18	Roller bearing	SE .400 .5014B .9,5	9.5	SL04 5014PP	18	49	54	9.5	460	400	418	70	25.4
140101900244	19	Roller bearing	SE .280 .5012 .10	10	SL04 5012PP	19	42	46	10	320	280	299	60	10.3
140101900244	19	Roller bearing	SE .345 .5010B .10	10	SL04 5010PP	19	36	40	10	385	345	364	50	12.5
140101900244	19	Roller bearing	SE .320 .5013 .10	10	SL04 5013PP	19	42	46	10	365	320	339	65	13.2
140101900244	19	Roller bearing	SE .355 .5016 .10	10	SL04 5016PP	19	55	60	10	410	355	374	80	16.8
140101900244	19	Roller bearing	SE .355 .5013 .10	10	SL04 5013PP	19	42	46	10	410	355	374	65	17.8
140101900244	19	Roller bearing	SE .360 .5016 .10	10	SL04 5016PP	19	55	60	10	420	360	379	80	17.9
140101900244	19	Roller bearing	SE .400 .5013 .10	10	SL04 5013PP	19	43	46	10	460	400	419	65	24.8
140101900244	19	Roller bearing	SE .400 .5016 .10	10	SL04 5016PP	19	55	60	10	460	400	419	80	28.8

140101900244	19	Roller bearing	SE .400 .5018 .10	10	SL04 5018PP	19	62	67	10	460	400	419	90	31
140101900244	19	Roller bearing	SE .450 .5018 .10	10	SL04 5018PP	19	62	67	10	515	450	469	90	41.4
140101900244	19	Roller bearing	SE .450 .160 .10	10	SL04 160PP	19	75	80	10	515	450	469	160	45.4
140101900244	19	Roller bearing	SE .450 .5024 .10	10	SL04 5024PP	19	75	80	10	515	450	469	120	47.9
140102100244	21	Roller bearing	SE .400 .5014B .11,5	11.5	SL04 5014PP	21	49	54	11.5	460	400	421	70	24.7
140102100244	21	Roller bearing	SE .400 .5016 .11,5	11.5	SL04 5016PP	21	55	60	11.5	460	400	421	80	28.3
140102100244	21	Roller bearing	SE .400 .5018 .11,5	11.5	SL04 5018PP	21	62	67	11.5	460	400	421	90	30.4
140102100244	21	Roller bearing	SE .482 .5018 .11,5	11.5	SL04 5018PP	21	62	67	11.5	560	482	503	90	45.5
140102200244	22	Roller bearing	SE .355 .5016 .12	12	SL04 5016PP	22	55	60	12	410	355	377	80	16.8
140102200244	22	Roller bearing	SE .400 .5016 .12	12	SL04 5016PP	22	55	60	12	460	400	422	80	28.1
140102200244	22	Roller bearing	SE .400 .5018 .12	12	SL04 5018PP	22	62	67	12	460	400	422	90	30.2
140102200244	22	Roller bearing	SE .450 .5018 .12	12	SL04 5018PP	22	62	67	12	515	450	472	90	40.5
140102200244	22	Roller bearing	SE .450 .5024 .12	12	SL04 5024PP	22	75	80	12	515	450	472	120	47
140102400244	24	Roller bearing	SE .528 .5018 .13	13	SL04 5018PP	24	61	67	13	595	528	552	90	50.9
140102400244	24	Roller bearing	SE .528 .200 .13	13	SL04 200PP	24	74	80	13	595	528	552	200	56.7
140102400244	24	Roller bearing	SE .528 .160 .13	13	SL04 160PP	24	74	80	13	595	528	552	160	61.2
140102500244	25	Roller bearing	SE .450 .5018 .13,5	13.5	SL04 5018PP	25	62	67	13.5	515	450	475	90	39.8
140102500244	25	Roller bearing	SE .450 .5024 .13,5	13.5	SL04 5024PP	25	75	80	13.5	515	450	475	120	46.3
140102500244	25	Roller bearing	SE .500 .5018B .13,5	13.5	SL04 5018PP	25	61	67	13.5	570	500	526	90	46.8
140102500244	25	Roller bearing	SE .528 .5018 .13,5	13.5	SL04 5018PP	25	61	67	13.5	595	528	553	90	50.6
140102500244	25	Roller bearing	SE .528 .160 .13,5	13.5	SL04 160PP	25	74	80	13.5	595	528	553	160	53.5
140102500244	25	Roller bearing	SE .528 .5024 .13,5	13.5	SL04 5024PP	25	74	80	13.5	595	528	553	120	57.8
140102500244	25	Roller bearing	SE .670 .5024 .13,5	13.5	SL04 5024PP	25	74	80	13.5	760	670	695	120	92.6

140102500244	25	Roller bearing	SE .670 .200 .13,5	13.5	SL04 200PP	25	74	80	13.5	760	670	695	200	93.5
140102500244	25	Roller bearing	SE .670 .160 .13,5	13.5	SL04 160PP	25	74	80	13.5	760	670	695	160	93.5
140102600244	26	Roller bearing	SE .528 .5018 .14	14	SL04 5018PP	26	61	67	14	595	528	554	90	45.4
140102600244	26	Roller bearing	SE .528 .160 .14	14	SL04 160PP	26	74	80	14	595	528	554	160	53.2
140102600244	26	Roller bearing	SE .528 .5024 .14	14	SL04 5024PP	26	74	80	14	595	528	554	120	63.5
140102600244	26	Roller bearing	SE .575 .160 .14	14	SL04 160PP	26	74	80	14	650	575	601	160	72
140102600244	26	Roller bearing	SE .575 .5024 .14	14	SL04 5024PP	26	74	80	14	650	575	601	120	72.6
140102600244	26	Roller bearing	SE .575 .5022 .14	14	SL04 5022PP	26	74	80	14	650	575	601	110	73.5
140102600244	26	Roller bearing	SE .575 .200 .14	14	SL04 200PP	26	74	80	14	650	575	601	200	76.7
140102800244	28	Roller bearing	SE .450 .5018 .15	15	SL04 5018PP	28	62	67	15	515	450	478	90	39.2
140102800244	28	Roller bearing	SE .450 .5024 .15	15	SL04 5024PP	28	75	80	15	515	450	478	120	45.6
140102800244	28	Roller bearing	SE .528 .5018 .15	15	SL04 5018PP	28	61	67	15	595	528	556	90	49.9
140102800244	28	Roller bearing	SE .528 .160 .15	15	SL04 160PP	28	72	80	15	595	528	556	160	52.7
140102800244	28	Roller bearing	SE .528 .5024 .15	15	SL04 5024PP	28	74	80	15	595	528	556	120	57
140102800244	28	Roller bearing	SE .528 .200 .15	15	SL04 200PP	28	74	80	15	595	528	556	200	64.9
140102800244	28	Roller bearing	SE .575 .160 .15	15	SL04 160PP	28	74	80	15	650	575	603	160	71.4
140102800244	28	Roller bearing	SE .575 .5024 .15	15	SL04 5024PP	28	74	80	15	650	575	603	120	72
140102800244	28	Roller bearing	SE .575 .200 .15	15	SL04 200PP	28	74	80	15	650	575	603	200	76.1
140102800244	28	Roller bearing	SE .630 .160 .15	15	SL04 160PP	28	74	80	15	710	630	658	160	82.8
140102800244	28	Roller bearing	SE .630 .5024 .15	15	SL04 5024PP	28	74	80	15	710	630	658	120	84.4
140102800244	28	Roller bearing	SE .630 .200 .15	15	SL04 200PP	28	74	80	15	710	630	658	200	87.7
140102800244	28	Roller bearing	SE .670 .5024 .15	15	SL04 5024PP	28	74	80	15	760	670	698	120	91.3
140102800244	28	Roller bearing	SE .670 .160 .15	15	SL04 160PP	28	74	80	15	760	670	698	160	92.2

140102800244	28	Roller bearing	SE .670 .200 .15	15	SL04 200PP	28	74	80	15	760	670	698	200	97
140103000244	30	Roller bearing	SE .575 .5022 .16	16	SL04 5022PP	30	74	80	16	650	575	605	110	72.3
140103000244	30	Roller bearing	SE .630 .160 .16	16	SL04 160PP	30	74	80	16	710	630	660	160	82.1
140103000244	30	Roller bearing	SE .630 .5022B .16	16	SL04 5022PP	30	74	80	16	710	630	660	110	83.5
140103000244	30	Roller bearing	SE .630 .5024 .16	16	SL04 5024PP	30	74	80	16	710	630	660	120	83.7
140103000244	30	Roller bearing	SE .630 .200 .16	16	SL04 200PP	30	74	80	16	710	630	660	200	87
140103100244	31	Roller bearing	SE .800 .5022 .16	16	SL04 5022PP	31	70	80	16	890	800	830	110	136.5
140103200244	32	Roller bearing	SE .575 .5024 .17	17	SL04 5024PP	32	74	80	17	650	575	607	120	70.9
140103200244	32	Roller bearing	SE .630 .160 .17	17	SL04 160PP	32	74	80	17	710	630	662	160	81.4
140103200244	32	Roller bearing	SE .630 .5024 .17	17	SL04 5024PP	32	74	80	17	710	630	662	120	83
140103200244	32	Roller bearing	SE .630 .200 .17	17	SL04 200PP	32	74	80	17	710	630	662	200	86.3
140103200244	32	Roller bearing	SE .670 .5024 .17	17	SL04 5024PP	32	74	80	17	760	670	702	120	89.7
140103200244	32	Roller bearing	SE .670 .160 .17	17	SL04 160PP	32	74	80	17	760	670	702	160	90.5
140103200244	32	Roller bearing	SE .670 .200 .17	17	SL04 200PP	32	74	80	17	760	670	702	200	95.3
140103200244	32	Roller bearing	SE .710 .5022 .17	17	SL04 5022PP	32	72	80	17	800	710	742	110	99.8
140103200244	32	Roller bearing	SE .800 .5026 .17	17	SL04 5026PP	32	75	95	17	890	800	832	130	129.9
140103400244	34	Roller bearing	SE .710 .5026 .18	18	SL04 5026PP	34	78	95	18	800	710	744	130	98.3
140103400244	34	Roller bearing	SE .710 .5022 .18	18	SL04 5022PP	34	72	80	18	800	710	744	110	98.7
140103600244	36	Roller bearing	SE .800 .5028 .19	18	SL04 5028PP	36	85	95	18	890	800	836	140	152.4
140103800244	38	Roller bearing	SE .710 .5024 .20	18	SL04 5024PP	38	-	-	18	-	-	-	-	94.5
140103800244	38	Roller bearing	SE .800 .5024 .20	18	SL04 5024PP	38	70	80	18	890	800	838	120	127.1
140103800244	38	Roller bearing	SE .800 .5026 .20	18	SL04 5026PP	38	75	95	18	890	800	838	130	133.5
140103800244	38	Roller bearing	SE .760 .5030 .20	18	SL04 5030PP	38	85	100	18	860	760	798	150	134.2

140103800244	38	Roller bearing	SE .800 .5028 .20	18	SL04 5028PP	38	85	95	18	890	800	838	140	151.4
140103800244	38	Roller bearing	SE .800 .5030 .20	18	SL04 5030PP	38	90	100	18	890	800	838	150	153
140103900244	39	Roller bearing	SE .760 .5026 .20,5	20.5	SL04 5026PP	39	75	95	20.5	860	760	799	130	138.2
140104000244	40	Roller bearing	SE .800 .5028 .21	21	SL04 5028PP	40	85	95	21	890	800	840	140	150.4
140104000244	40	Roller bearing	SE .800 .5030 .21	21	SL04 5030PP	40	90	100	21	890	800	840	150	152.4
140104200244	42	Roller bearing	SE .800 .5028 .22,5	22.5	SL04 5028PP	42	85	95	22.5	890	800	842	140	149
140104200244	42	Roller bearing	SE .800 .5030 .22,5	22.5	SL04 5030PP	42	90	100	22.5	890	800	842	150	160.1
140104400244		Roller bearing	SE .800 .5030 .23,5	23.5	SL04 5030PP	-	-	-	23.5	-	-	-	-	149.6

Blueprint

