Lifting Solutions Group
Axel Johnson International

Sheave with Bronze Bushing, Rigging

Product information



Self-lubricating cast sheaves are often applied in lifting, luffing and wire rope routing with intensive operating cycles. The groove opening angle was carefully designed to reduce potential twist resulting from fleet angles. In combination with the self-lubricating effect, the wire rope in your system will last longer. The latter was proved in recent research, in which several sheave materials where compared in terms of their effect on rope twist.

- Different shaft sizes possible.
- Groove may be adjusted to other wire rope diameters.

... *Read more*

Material: Cast steel GGG-60, GGG-70, GS20Mn5 or GS30Mn5 depending on model

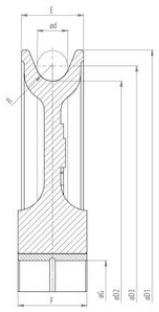
Certex Lietuva UAB
info@certex.lt
+370 5 2300020

© November 2026 - All Rights Reserved

CERTEX | Lifting Solutions Group
Axel Johnson International

Sheave with Bronze Bushing, Rigging

Blueprint



Technical data

Part code	Rope Ø range mm	Bearing	Shaft Ø mm	Groove radius	Sheave dia. mm	Ø D1 mm mm	Ø D2 mm mm	ØD3 mm	ØG mm mm	E mm	F mm	R mm	Ø d mm mm	Weight kg
140100800221	8	Bronze bearing	15	4.5	100 / 80	100	80	88	15	18	20	4.5	8	0.6
140101000221	10	Bronze bearing	22	5.5	125 / 105	125	105	115	22	23	27	5.5	10	1.5
140101200221	12	Bronze bearing	30	6.5	150 / 120	150	120	132	30	36	40	6.5	12	3
140101400221	14	Bronze bearing	30	7.5	250 / 165	200	165	179	30	36	40	7.5	14	4.5
140101800221	18	Bronze bearing	35	9.5	250 / 210	250	210	228	35	40	45	9.5	18	8
140102000221	20	Bronze bearing	40	11	300 / 255	300	255	275	40	45	50	11	20	12
140102200221	22	Bronze bearing	45	12	350 / 305	350	305	327	45	45	50	12	22	17
140102400222	24	Bronze bearing	70	13	300 / 250	300	250	274	70	55	60	13	24	15
140102400221	24	Bronze bearing	50	13	400 / 345	400	345	369	50	55	60	13	24	24
140102600221	26	Bronze bearing	70	14	350 / 305	350	305	331	70	70	75	14	26	20
140102800222	28	Bronze bearing	80	15	400 / 345	400	345	373	80	75	80	15	28	32
140102800221	28	Bronze bearing	55	15	450 / 390	450	390	418	55	60	70	15	28	36
140103000221	30	Bronze bearing	60	16	500 / 430	500	430	460	60	70	80	16	30	44
140103200223	32	Bronze bearing	80	17	400 / 345	400	345	377	80	70	80	17	32	31

Certex Lietuva UAB
info@certex.lt
+370 5 2300020

© November 2026 - All Rights Reserved

CERTEX | Lifting Solutions Group
Axel Johnson International

Sheave with Bronze Bushing, Rigging

Technical data

Part code	Rope Ø range mm	Bearing	Shaft Ø mm	Groove radius	Sheave dia. mm	Ø D1 mm mm	Ø D2 mm mm	ØD3 mm	ØG mm mm	E mm	F mm	R mm	Ø d mm mm	Weight kg
140103400221	34	Bronze bearing	70	18	500 / 480	550	480	514	70	70	80	18	34	55
140103600221	36	Bronze bearing	80	19.5	600 / 520	600	520	557	80	85	105	19.5	37	80
140103700223	37	Bronze bearing	100	19.5	500 / 430	500	430	467	100	90	100	19.5	37	80
140103900221	39	Bronze bearing	100	20.5	665 / 560	665	560	599	100	100	110	20.5	39	110
140104000222	40	Bronze bearing	120	21.5	500 / 480	550	480	520	120	100	120	21.5	40	80
140104000221	40	Bronze bearing	120	21.5	700 / 630	710	630	670	120	85	110	21.5	40	125
140104100221	41	Bronze bearing	160	22	1030 / 920	1,030	920	961	160	130	150	22	41	380
140104400221	44	Bronze bearing	150	23.5	810 / 710	810	710	754	150	98	130	23.5	44	170
140104400222	44	Bronze bearing	150	22	920 / 800	920	800	844	150	130	150	22	44	270
140104600221	46	Bronze bearing	180	24.5	1160 / 1020	1,160	1,020	1,066	180	140	160	24.5	46	540

Certex Lietuva UAB
info@certex.lt
+370 5 2300020

© November 2026 - All Rights Reserved