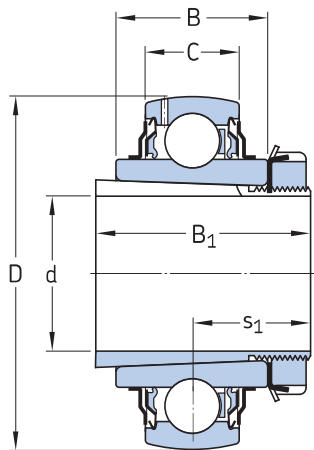


Y-bearings with a tapered bore on an adapter sleeve, metric shafts
d 20 – 60 mm

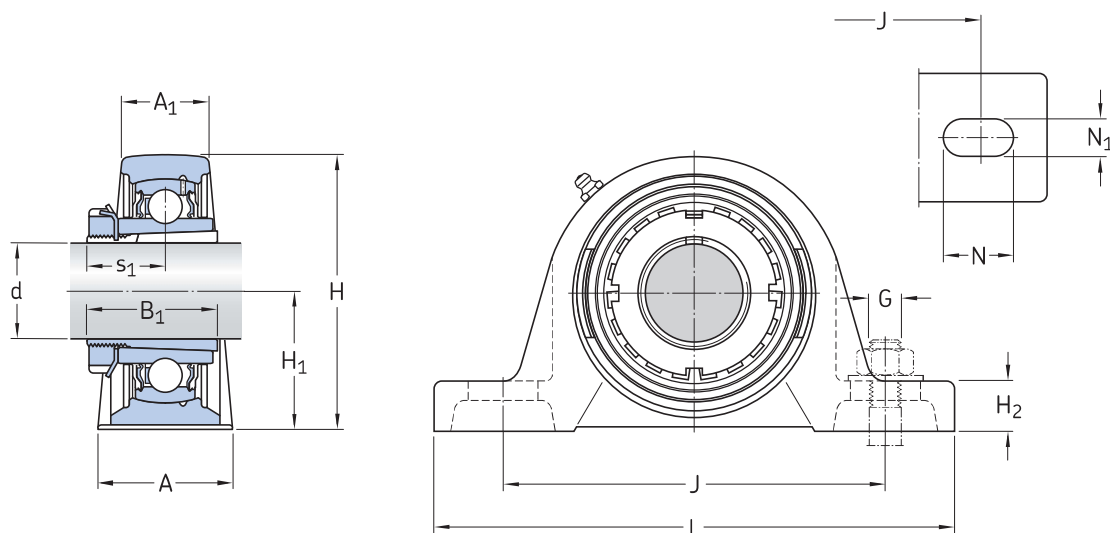


Dimensions						Basic load ratings		Fatigue load limit	Limiting speed	Mass	Designations	Adapter sleeve
d	D	B	B ₁	C	s ₁	dynamic	static	P _u	with shaft tolerance h6	Bearing + sleeve	Bearing	
mm						C	C ₀	kN	r/min	kg	–	
20	52	24	35	15	20	14	7,8	0,335	7 000	0,22	YSA 205-2FK	H 2305
25	62	28	38	18	22	19,5	11,2	0,475	6 300	0,33	YSA 206-2FK	H 2306
30	72	30,5	43	19	24,3	25,5	15,3	0,655	5 300	0,47	YSA 207-2FK	H 2307
35	80	33,9	46	21	27	30,7	19	0,8	4 800	0,69	YSA 208-2FK	H 2308
40	85	35	50	22	28,5	33,2	21,6	0,915	4 300	0,77	YSA 209-2FK	H 2309
45	90	37	55	22	30,5	35,1	23,2	0,98	4 000	0,88	YSA 210-2FK	H 2310
50	100	40	59	25	32,5	43,6	29	1,25	3 600	1,10	YSA 211-2FK	H 2311
55	110	42,5	62	26	34,3	52,7	36	1,53	3 400	1,40	YSA 212-2FK	H 2312
60	120	43,5	65	27	35,8	57,2	40	1,7	3 000	1,70	YSA 213-2FK	H 2313

Dimensions						Basic load ratings		Fatigue load limit	Limiting speed	Mass	Designations	Adapter sleeve
d	D	B	B ₁	C	s ₁	dyn. C	stat C ₀	P _u	with shaft tolerance h6	Bearing + sleeve	Bearing	
in/mm						lbf/kN		lbf/kN	r/min	lb/kg	–	
2 1/4 57,15	4.7244 120	1.71 43,5	2.56 65	1.06 27	1.41 35,8	12 870 57	9 000 40	380 1,7	3 000	3.95 1,80	YSA 213-2FK	HE 2313
2 3/8 60,325	4.7244 120	1.71 43,5	2.56 65	1.06 27	1.41 35,8	12 870 57	9 000 40	380 1,7	3 000	3.75 1,70	YSA 213-2FK	HS 2313

Designations Bearing unit without adapter sleeve	Separate components of the bearing unit		Limiting speed	Mass Bearing unit + sleeve
	Housing	Bearing	r/min	kg
–				
SYJ 25 KF	SYJ 505	YSA 205-2FK	7 000	0,63
SYJ 30 KF	SYJ 506	YSA 206-2FK	6 300	0,90
SYJ 35 KF	SYJ 507	YSA 207-2FK	5 300	1,25
SYJ 40 KF	SYJ 508	YSA 208-2FK	4 800	1,80
SYJ 45 KF	SYJ 509	YSA 209-2FK	4 300	2,10
SYJ 50 KF	SYJ 510	YSA 210-2FK	4 000	2,75
SYJ 55 KF	SYJ 511	YSA 211-2FK	3 600	3,85
SYJ 60 KF	SYJ 512	YSA 212-2FK	3 400	5,00
SYJ 65 KF	SYJ 513	YSA 213-2FK	3 000	6,35

Y-bearing plummer block units with a cast housing and an adapter sleeve, inch shafts
d 2 3/16 – 2 3/8 in



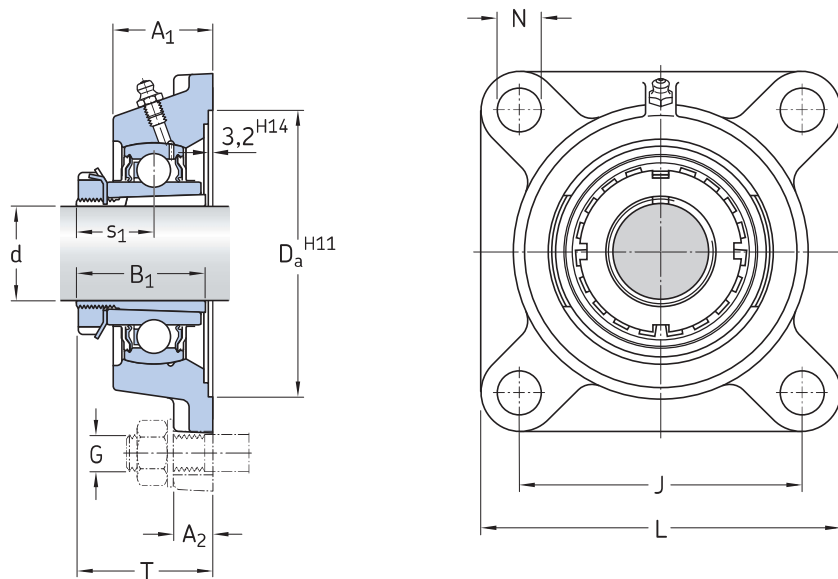
Dimensions													Designations ¹⁾	
d	A	A ₁	B ₁	H	H ₁	H ₂	J	L	N	N ₁	G	s ₁	Bearing unit	Adapter sleeve
in/mm													–	
2 3/16 55,563	2.76 70	1.93 49	2.56 65	5.94 151	3.00 76,2	1.06 27	7.99 203	10.43 265	1.38 35	0.98 25	3/4 20	1.41 35,8	SYJ 65 KF	HA 2313
2 1/4 57,15	2.76 70	1.93 49	2.56 65	5.94 151	3.00 76,2	1.06 27	7.99 203	10.43 265	1.38 35	0.98 25	3/4 20	1.41 35,8	SYJ 65 KF	HE 2313
2 3/8 60,325	2.76 70	1.93 49	2.56 65	5.94 151	3.00 76,2	1.06 27	7.99 203	10.43 265	1.38 35	0.98 25	3/4 20	1.41 35,8	SYJ 65 KF	HS 2313

¹⁾ Bearing unit and adapter sleeve to be ordered separately

Designations Bearing unit without adapter sleeve	Separate components of the bearing unit		Limiting speed	Mass Bearing unit + sleeve
	Housing	Bearing		
—			r/min	kg
FYJ 25 KF	FYJ 505	YSA 205-2FK	7 000	0,73
FYJ 30 KF	FYJ 506	YSA 206-2FK	6 300	1,05
FYJ 35 KF	FYJ 507	YSA 207-2FK	5 300	1,35
FYJ 40 KF	FYJ 508	YSA 208-2FK	4 800	1,75
FYJ 45 KF	FYJ 509	YSA 209-2FK	4 300	2,10
FYJ 50 KF	FYJ 510	YSA 210-2FK	4 000	2,80
FYJ 55 KF	FYJ 511	YSA 211-2FK	3 600	3,60
FYJ 60 KF	FYJ 512	YSA 212-2FK	3 400	4,60
FYJ 65 KF	FYJ 513	YSA 213-2FK	3 000	6,00

Flanged Y-bearing units with a cast housing with a square flange and an adapter sleeve, inch shafts

d 2 3/16 – 2 3/8 in



Dimensions											Designations ¹⁾	
d	A ₁	A ₂	B ₁	D _a	J	L	N	G	s ₁	T	Bearing unit	Adapter sleeve
in/mm											–	
2 3/16 55,563	1.97 50	0.79 20	2.56 65	6.37 161,9	5.87 149	7.36 187	0.75 19	5/8 16	1.41 35,8	2.59 65,8	FYJ 65 KF	HA 2313
2 1/4 57,15	1.97 50	0.79 20	2.56 65	6.37 161,9	5.87 149	7.36 187	0.75 19	5/8 16	1.41 35,8	2.59 65,8	FYJ 65 KF	HE 2313
2 3/8 60,325	1.97 50	0.79 20	2.56 65	6.37 161,9	5.87 149	7.36 187	0.75 19	5/8 16	1.41 35,8	2.59 65,8	FYJ 65 KF	HS 2313

¹⁾ Bearing unit and adapter sleeve to be ordered separately