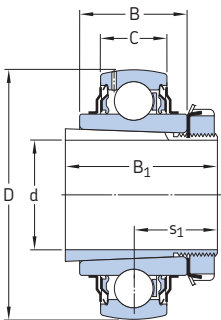


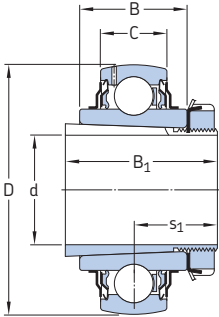
Y-bearings with a tapered bore on an adapter sleeve, metric shafts
d 20 – 60 mm



Dimensions						Basic load ratings		Fatigue load limit	Limiting speed	Mass	Designations	Adapter sleeve
d	D	B	B ₁	C	s ₁	dynamic	static	P _d	with shaft tolerance h6	Bearing + sleeve	Bearing	
mm						kN		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

Y-bearings with a tapered bore on an adapter sleeve, inch shafts

d $\frac{3}{4}$ – 2 $\frac{3}{8}$ in



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	–	
$\frac{3}{4}$ 19,05	2.0472 52	0.95 24	1.38 35	0.59 15	0.79 20	3 150 14	1 760 7,8	80 0,335	7 000	0.49 0,22	YSA 205-2FK	HE 2305
$\frac{15}{16}$ 23,813	2.4409 62	1.10 28	1.50 38	0.71 18	0.87 22	4 390 20	2 520 11,2	110 0,475	6 300	0.77 0,35	YSA 206-2FK	HA 2306
1 25,4	2.4409 62	1.10 28	1.50 38	0.71 18	0.87 22	4 390 20	2 520 11,2	110 0,475	6 300	0.73 0,33	YSA 206-2FK	HE 2306
$1\frac{1}{16}$ 30,163	2.8346 72	1.20 30,5	1.69 43	0.75 19	0.96 24,3	5 740 26	3 440 15,3	150 0,655	5 300	1.05 0,47	YSA 207-2FK	HA 2307
$1\frac{1}{4}$ 31,75	3.1496 80	1.34 33,9	1.81 46	0.83 21	1.06 27	6 910 31	4 280 19	180 0,8	4 800	1.50 0,69	YSA 208-2FK	HE 2308
$1\frac{7}{16}$ 36,513	3.3465 85	1.38 35	1.97 50	0.87 22	1.12 28,5	7 470 33	4 860 21,6	210 0,915	4 300	1.80 0,81	YSA 209-2FK	HA 2309
$1\frac{1}{2}$ 38,1	3.3465 85	1.38 35	1.97 50	0.87 22	1.12 28,5	7 470 33	4 860 21,6	210 0,915	4 300	1.70 0,77	YSA 209-2FK	HE 2309
$1\frac{5}{8}$ 41,275	3.5433 90	1.46 37	2.17 55	0.87 22	1.20 30,5	7 900 35	5 220 23,2	220 0,98	4 000	2.05 0,94	YSA 210-2FK	HS 2310
$1\frac{11}{16}$ 42,863	3.5433 90	1.46 37	2.17 55	0.87 22	1.20 30,5	7 900 35	5 220 23,2	220 0,98	4 000	2 0,91	YSA 210-2FK	HA 2310
$1\frac{3}{4}$ 44,45	3.5433 90	1.46 37	2.17 55	0.87 22	1.20 30,5	7 900 35	5 220 23,2	220 0,98	4 000	1.95 0,88	YSA 210-2FK	HE 2310
$1\frac{15}{16}$ 49,213	3.937 100	1.58 40	2.32 59	0.98 25	1.28 32,5	9 810 44	6 530 29	280 1,25	3 600	2.45 1,10	YSA 211-2FK	HA 2311
2 50,800	3.937 100	1.58 40	2.32 59	0.98 25	1.28 32,5	9 810 44	6 530 29	280 1,25	3 600	2.45 1,10	YSA 211-2FK	HE 2311 B
$2\frac{1}{8}$ 53,975	4.3307 110	1.67 42,5	2.44 62	1.02 26	1.35 34,3	11 860 53	8 100 36	340 1,53	3 400	3.10 1,40	YSA 212-2FK	HS 2312
$2\frac{3}{16}$ 55,563	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	4.20 1,90	YSA 213-2FK	HA 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

Designations Bearing unit without adapter sleeve	Separate components of the bearing unit		Basic load ratings		Fatigue load limit P_u	Limiting speed	Mass Bearing unit + sleeve
	Housing	Bearing	dynamic C	static C_0			
–			lbf/kN		lbf/kN	r/min	lb/kg
SYJ 25 KF	SYJ 505	YSA 205-2FK	3 150 14	1 760 7,8	80 0,335	7 000	1.40 0,63
SYJ 30 KF	SYJ 506	YSA 206-2FK	4 390 19,5	2 520 11,2	110 0,475	6 300	2.00 0,90
SYJ 30 KF	SYJ 506	YSA 206-2FK	4 390 19,5	2 520 11,2	110 0,475	6 300	2.00 0,90
SYJ 35 KF	SYJ 507	YSA 207-2FK	5 740 25,5	3 440 15,3	150 0,655	5 300	2.75 1,25
SYJ 40 KF	SYJ 508	YSA 208-2FK	6 910 30,7	4 280 19	180 0,8	4 800	3.95 1,80
SYJ 45 KF	SYJ 509	YSA 209-2FK	7 470 33,2	4 860 21,6	210 0,915	4 300	4.70 2,15
SYJ 45 KF	SYJ 509	YSA 209-2FK	7 470 33,2	4 860 21,6	210 0,915	4 300	4.65 2,10
SYJ 50 KF	SYJ 510	YSA 210-2FK	7 900 35,1	5 220 23,2	220 0,98	4 000	6.05 2,75
SYJ 50 KF	SYJ 510	YSA 210-2FK	7 900 35,1	5 220 23,2	220 0,98	4 000	6.05 2,75
SYJ 50 KF	SYJ 510	YSA 210-2FK	7 900 35,1	5 220 23,2	220 0,98	4 000	6.05 2,75
SYJ 55 KF	SYJ 511	YSA 211-2FK	9 810 43,6	6 530 29	280 1,25	3 600	8.50 3,85
SYJ 55 KF	SYJ 511	YSA 211-2FK	9 810 43,6	6 530 29	280 1,25	3 600	8.50 3,85
SYJ 60 KF	SYJ 512	YSA 212-2FK	11 860 52,7	8 100 36	340 1,53	3 400	11.0 5,00

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

Designations Bearing unit without adapter sleeve	Separate components		Basic load ratings		Fatigue load limit P_u	Limiting speed	Mass Bearing unit + sleeve
	Housing	Bearing	dynamic C	static C_0			
—			lbf/kN		lbf/kN	r/min	lb/kg
FYJ 25 KF	FYJ 505	YSA 205-2FK	3 150 14	1 760 7,8	80 0,335	7 000	1.60 0,73
FYJ 30 KF	FYJ 506	YSA 206-2FK	4 390 19,5	2 520 11,2	110 0,475	6 300	2.35 1,05
FYJ 30 KF	FYJ 506	YSA 206-2FK	4 390 19,5	2 520 11,2	110 0,475	6 300	2.30 1,05
FYJ 35 KF	FYJ 507	YSA 207-2FK	5 740 25,5	3 440 15,3	150 0,655	5 300	3.00 1,35
FYJ 40 KF	FYJ 508	YSA 208-2FK	6 910 30,7	4 280 19	180 0,8	4 800	3.85 1,75
FYJ 45 KF	FYJ 509	YSA 209-2FK	7 470 33,2	4 860 21,6	210 0,915	4 300	4.75 2,15
FYJ 45 KF	FYJ 509	YSA 209-2FK	7 470 33,2	4 860 21,6	210 0,915	4 300	4.65 2,10
FYJ 50 KF	FYJ 510	YSA 210-2FK	7 900 35,1	5 220 23,2	220 0,98	4 000	6.30 2,85
FYJ 50 KF	FYJ 510	YSA 210-2FK	7 900 35,1	5 220 23,2	220 0,98	4 000	6.25 2,85
FYJ 50 KF	FYJ 510	YSA 210-2FK	7 900 35,1	5 220 23,2	220 0,98	4 000	6.15 2,80
FYJ 55 KF	FYJ 511	YSA 211-2FK	9 810 43,6	6 530 29	280 1,25	3 600	7.95 3,60
FYJ 55 KF	FYJ 511	YSA 211-2FK	9 810 43,6	6 530 29	280 1,25	3 600	7.95 3,60
FYJ 60 KF	FYJ 512	YSA 212-2FK	11 860 52,7	8 100 36	340 1,53	3 400	10.0 4,60

Designations Bearing unit without adapter sleeve	Separate components of the bearing unit		Limiting speed	Mass Bearing unit + sleeve
	Housing	Bearing	r/min	kg
–				
FYTJ 25 KF	FYTJ 505	YSA 205-2FK	7 000	0,72
FYTJ 30 KF	FYTJ 506	YSA 206-2FK	6 300	0,83
FYTJ 35 KF	FYTJ 507	YSA 207-2FK	5 300	1,30
FYTJ 40 KF	FYTJ 508	YSA 208-2FK	4 800	1,65
FYTJ 45 KF	FYTJ 509	YSA 209-2FK	4 300	2,20
FYTJ 50 KF	FYTJ 510	YSA 210-2FK	4 000	2,55

Designations Bearing unit without adapter sleeve	Separate components		Basic load ratings		Fatigue load limit	Limiting speed	Mass
	Housing	Bearing	dynamic C	static C ₀	P _u		Bearing unit + sleeve
–			lbf/kN		lbf/kN	r/min	lb/kg
FYTJ 25 KF	FYTJ 505	YSA 205-2FK	3 150 14	1 760 7,8	80 0,335	7 000	1.60 0,72
FYTJ 30 KF	FYTJ 506	YSA 206-2FK	4 390 19,5	2 520 11,2	110 0,475	6 300	1.85 0,83
FYTJ 30 KF	FYTJ 506	YSA 206-2FK	4 390 19,5	2 520 11,2	110 0,475	6 300	1.85 0,83
FYTJ 35 KF	FYTJ 507	YSA 207-2FK	5 740 25,5	3 440 15,3	150 0,655	5 300	2.85 1,30
FYTJ 40 KF	FYTJ 508	YSA 208-2FK	6 910 30,7	4 280 19	180 0,8	4 800	3.65 1,65
FYTJ 45 KF	FYTJ 509	YSA 209-2FK	7 470 33,2	4 860 21,6	210 0,915	4 300	4.85 2,20
FYTJ 45 KF	FYTJ 509	YSA 209-2FK	7 470 33,2	4 860 21,6	210 0,915	4 300	4.85 2,20
FYTJ 50 KF	FYTJ 510	YSA 210-2FK	7 900 35,1	5 220 23,2	220 0,98	4 000	5.60 2,55
FYTJ 50 KF	FYTJ 510	YSA 210-2FK	7 900 35,1	5 220 23,2	220 0,98	4 000	5.60 2,55
FYTJ 50 KF	FYTJ 510	YSA 210-2FK	7 900 35,1	5 220 23,2	220 0,98	4 000	5.60 2,55