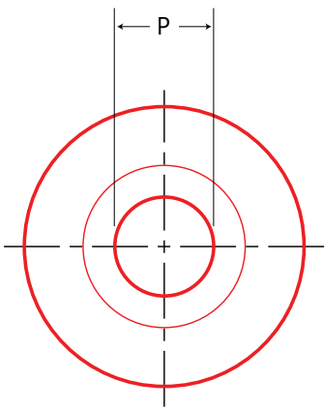
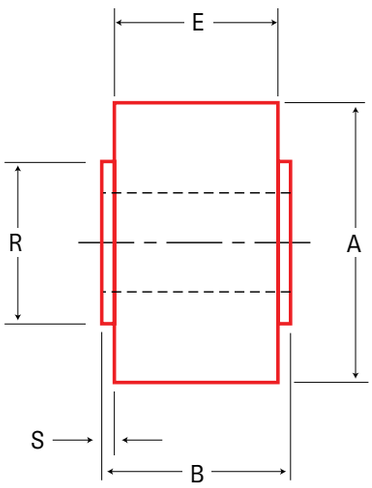
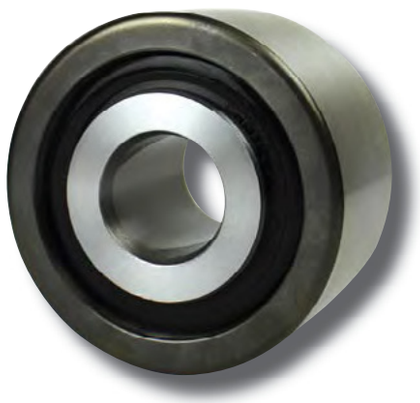
LOAD RUNNERS

Plain - Yoke Style - Metric Sizes (mm)







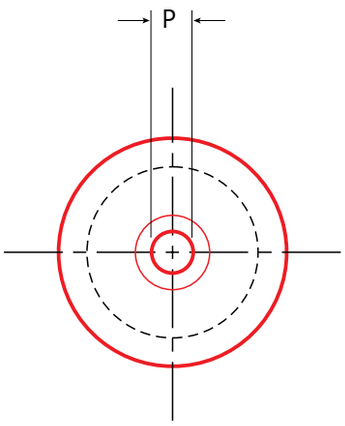
Part No.	Item No.	A	B	E	P	R	S	Ball or Tapered Roller Bearings	Bearing Capacity Radial Load (N)			Bearing Capacity, Static Thrust (N)	Approx Weight (kg)
		Roller Dia +0.00 -0.02	Roller Width	Tread Width	Bore +0.00 -0.02	Shldr Dia	Shldr Length		3000 hrs L10 life @ 100 RPM	500 hrs L10 life @ 33 1/3 RPM	Static Limit		
HPCA-40	90271	40	23	22	10	22	0.5	BB	3140	8220	3460	2140	0.14
HPCA-50	90272	50	33	32	15	28	0.5	BB	5780	15140	8070	4980	0.32
HPCA-62	97297	62	40	38	20	32	1	TRB	20330	48390	33900	20300	0.91
HPCA-62-2	90273	62	40	38	20	32	1	BB	9490	24880	11240	6940	0.91
HPCA-76	96105	76	46	44	25	44.5	1	TRB	26670	63480	88960	53380	1.24
HPCA-80	96107	80	46	44	25	44.5	1	TRB	26670	63480	88960	53380	1.41
HPCA-85	96108	85	46	44	25	44.5	1	TRB	26670	63480	88960	53380	1.6
HPCA-90	96109	90	56	54	30	57.2	1	TRB	32870	78240	120990	58270	1.92
HPCA-100	96110	100	56	54	30	57.2	1	TRB	32870	78240	120990	58270	2.93
HPCA-125	96111	125	71	68	45	82.6	1.5	TRB	62210	148070	230860	144570	5.01
HPCA-150	96112	150	73	70	55	88.9	1.5	TRB	66990	159430	250880	147240	8.65
HPCA-200	96114	200	79	76	70	108	1.5	TRB	79300	188740	354970	215290	19.58
HPCA-250	96116	250	79	76	70	108	1.5	TRB	79300	188740	354970	215290	35.74

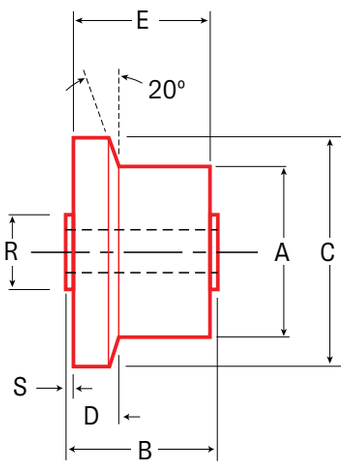
For heavy duty shafts, see page 43
Other sizes available upon request
Refer to INSTALLATION NOTES on pages 87-89
LOAD CAPACITIES ARE BASED ON UNIFORM AND STEADY LOADING.
1 kg = 9,81 N = 2,21 lbs

Load Runners®

LOAD RUNNERS

Flanged - Yoke Style - Metric Sizes (mm)





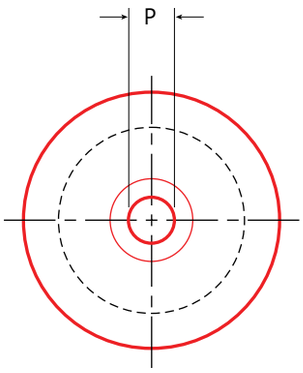
Part No.	Item No.	A	B	C	D	E	P	R	S	Ball or Tapered Roller Bearings	Bearing Capacity Radial Load (N)			Bearing Capacity, Static Thrust (N)	Approx Weight (kg)
		Roller Dia	Roller Width	Flange Dia	Flange Thickness	Tread Width	Bore +0.00 -0.02	Shldr Dia	Shldr Length		3000 hrs L10 life @ 100 RPM	500 hrs L10 life @ 33 1/3 RPM	Static Limit		
HPJA-40	90274	40	23	54	6.0	22	10	22.0	0.5	BB	3140	8220	3460	2140	0.19
HPJA-50	90275	50	33	68	10.0	32	15	28.0	0.5	BB	5780	15140	8070	4980	0.64
HPJA-62	97298	62	40	78	14.0	38	20	32.0	1.0	TRB	20330	48390	33940	20330	1.09
HPJA-62-2	90276	62	40	78	14.0	38	20	32.0	1.0	BB	9490	24880	11240	6940	1.09
HPJA-76	96209	76	46	98	13.5	44	25	44.5	1.0	TRB	26670	63480	88960	53380	1.24
HPJA-80	96210	80	46	102	13.5	44	25	44.5	1.0	TRB	26670	63480	88960	53380	1.71
HPJA-85	96211	85	46	107	13.5	44	25	44.5	1.0	TRB	26670	63480	88960	53380	1.95
HPJA-90	96212	90	56	112	13.5	54	30	57.2	1.0	TRB	32870	78240	120990	58270	2.37
HPJA-100	96213	100	56	122	13.5	54	30	57.2	1.0	TRB	32870	78240	120990	58270	3.43
HPJA-125	96214	125	71	148	18.2	68	45	82.6	1.5	TRB	62210	148070	230860	144570	5.72
HPJA-150	96215	150	73	173	18.2	70	55	88.9	1.5	TRB	66990	159430	250880	147240	9.56
HPJA-200	96217	200	79	223	18.2	76	70	108.0	1.5	TRB	79300	188740	354970	215290	20.78
HPJA-250	96219	250	79	273	18.2	76	70	108.0	1.5	TRB	79300	188740	354970	215290	37.25

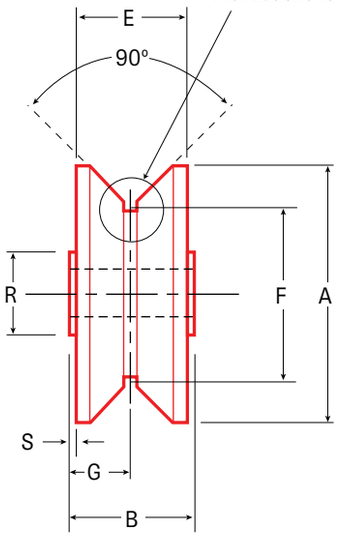
For heavy duty shafts, see page 43
Other sizes available upon request
Refer to INSTALLATION NOTES on pages 87-89
LOAD CAPACITIES ARE BASED ON UNIFORM AND STEADY LOADING.
1 kg = 9,81 N = 2,21 lbs

LOAD RUNNERS

V-Grooved - Yoke Style - Metric Sizes (mm)

See page 83 for details of design recommendations for roller on rail.





Part No.	Item No.	A	B	E	F	G	P	R	S	Ball or Tapered Roller Bearings	Bearing Capacity Radial Load (N)			Bearing Capacity, Static Thrust (N)	Approx Weight (kg)
		Roller Dia	Roller Width	Tread Width	Point Dia	Groove Location	Bore +0.00 -0.02	Shldr Dia	Shldr Length		3000 hrs L10 life @ 100 RPM	500 hrs L10 life @ 33-1/3 RPM	Static Limit		
HPVA-40	90277	60	23	22	40	11.5	10	22.0	0.5	BB	3140	8220	3460	2140	0.460
HPVA-50	90278	75	33	32	50	16.5	15	28.0	0.5	BB	5780	15140	8070	4980	0.960
HPVA-62	97299	90	40	38	62	20.0	20	32.0	1.0	TRB	20300	48390	33940	20330	1.270
HPVA-62-2	90279	90	40	38	62	20.0	20	32.0	1.0	BB	6930	18170	10590	6540	1.270
HPVA-76	96255	110	46	44	76	23.0	25	44.5	1.0	TRB	26670	63480	88960	53380	2.210
HPVA-100	96256	140	56	54	100	28.0	30	57.2	1.0	TRB	32870	78240	120990	58270	5.080
HPVA-125	96257	165	71	68	125	35.5	45	82.6	1.5	TRB	62210	148070	^216290	^108140	8.520
HPVA-150	96259	190	73	70	150	36.5	55	88.9	1.5	TRB	66990	159430	250880	126380	13.79
HPVA-200	96261	240	79	76	200	39.5	70	108.0	1.5	TRB	79300	188740	325740	162870	29.60
HPVA-250	96263	290	79	76	250	39.5	70	108.0	1.5	TRB	79300	188740	354970	^199360	56.52

^Surface strength of roller OD

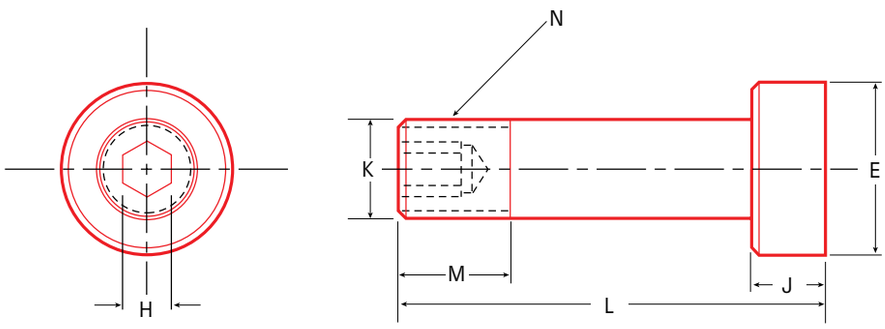
For heavy duty shafts, see page 43
Other sizes available upon request
Refer to INSTALLATION NOTES on pages 87-89
LOAD CAPACITIES ARE BASED ON UNIFORM AND STEADY LOADING.
1 kg = 9,81 N = 2,21 lbs

Load Runners®

LOAD RUNNERS

Heavy Duty Concentric Shafts for Yoke Style Idler-Rollers - Metric Sizes (mm)

Shaft Style A includes jam nut and lock washer



Part No.	Item No.	Fits HPCA & HPJA	Fits HPVA	E	H	J	K	L	M	N	Approx Weight (kg)
				Head Dia -0.025 -0.050	Hex Size	Head Length	Shaft Dia -0.025 -0.050	Shaft Length	Thread Length	Thread	
MSHA-10	90280	40	40	18.00	4.0	10	10	55	15	M10×1.0	0.320
MSHA-15	90281	50	50	25.00	8.0	14	15	80	22	M14×2.0	0.460
MSHA-20	97300	62	62	31.75	8.0	16	20	94	25	M20×1.5	0.700
MSHA-25	95001	76, 80, 85	76	44.50	8.0	19	25	110	29	M24×1.5	0.750
MSHA-30	95002	90, 100	100	57.20	12.2	22	30	135	31	M30×3.5	0.950
MSHA-45	95003	125	125	82.60	12.2	32	45	185	54	M45×4.5	1.500
MSHA-55	95004	150	150	88.90	12.2	32	55	195	62	M52×5	5.700
MSHA-70	95005	200, 250	200, 250	108.00	12.2	35	70	220	74	M70×6	10.00