Supported shaft for linear guide Alu Ste Stock

FTSN Mounting without sag or deflection

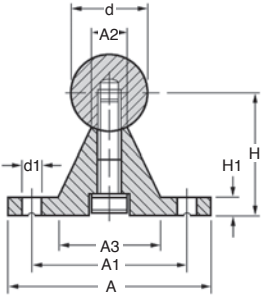
- ***Comprises a shaft and its support***
- *Normally used where the load is heavy when compared to the shaft length*
- *Shaft support has closely spaced pre-drilled mounting holes*
- *Material:*
  Support: Ground aluminium
  Shaft: CK55 steel hardened (62HRC) and ground

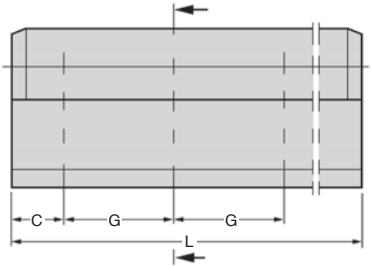
Options

- *Other lengths possible (up to 6000mm)*

Accessories

- **KB-OP** *and* **TK-OB** *linear bearings*





DISCOUNTS

Qty	1+	5+	10+	25+
Disc.	List	-15%	-20%	On request

Part number	d	A	H	A1	A2	A3	H1	C	d1	G	Standard length (mm)	Stock*	Price each 1 to 4
FTSN-12G	12	40	22	29	5,4	15	5	37,5	4,5	75	1000	✔	271,17 €
FTSN-16G	16	45	26	33	7,0	19	5	50,0	5,5	100	1000	✔	208,59 €
FTSN-20G	20	52	32	37	8,1	23	6	50,0	6,6	100	1000	✔	239,90 €
FTSN-25G	25	57	36	42	10,3	26	6	60,0	6,6	120	1000	-	255,52 €
FTSN-30G	30	69	42	51	11,0	29	7	75,0	9,0	150	1000	-	333,75 €
FTSN-40G	40	73	50	55	15,0	36	9	100,0	9,0	200	1000	-	417,23 €

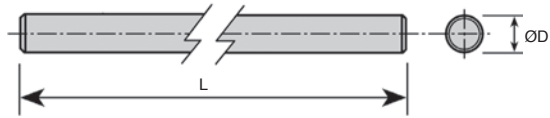
**Depending on availability - Dimensions in mm*

Alu Aluminium shaft for linear guide

Recommended for use with RJUM linear bearings

AWMP

- ***Shaft recommended for use with DryLin® RJUM bearings***
- *Material: Drawn aluminium AlMgSi0 5F22*
- *Linearity conforms to DIN EN574-3*
- *Hardness: 75HB*
- *Hard anodised surface*
- *Specific electric resistance: 4x10¹¹ Ohm mm²/m*
- *Chemical resistance: 2<ph<9*
- ***Not compatible with linear ball bearings, see Z–A or Z-B shafts instead***



DISCOUNTS

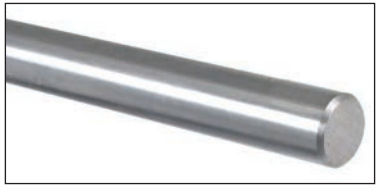
Qty	1+	5+	10+	25+
Disc.	List	-15%	-20%	On request

Part number	Version	Diameter ØD (mm)	Tolerance	Length L (mm)	Weight (kg/m)	Stock*	Price each 1 to 5
AWMP8-1000	Solid shaft	8	h8	1000	0,14	✔	20,42 €
AWMP10-1000	Solid shaft	10	h8	1000	0,22	✔	26,31 €
AWMP12-1000	Solid shaft	12	h8	1000	0,32	✔	32,78 €
AWMP16-1000	Solid shaft	16	h8	1000	0,57	✔	45,03 €
AWMP20-1000	Solid shaft	20	h8	1000	0,89	✔	61,10 €
AWMP25-1000	Solid shaft	25	h8	1000	1,41	✔	82,43 €
AWM30-1000	Hollow shaft	30x7,5	h10	1000	1,48	-	129,46 €
AWM40-1000	Hollow shaft	40x10	h10	1000	2,63	-	243,22 €
AWM50-1000	Hollow shaft	50x11	h10	1000	3,75	-	322,40 €

**Depending on availability - Dimensions in mm*

Shaft for linear guides

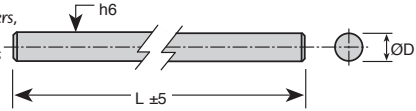
ZA — Hardened ground steel



- ***Hardened steel shaft for linear guides***
- *Material: Cf 53 hardened by high frequency (60±3 HRc)*
- *Hardened depth: 0.8 to 2.6mm, conforms to DIN 6773*
- *Standard length 1000mm*
- *External diameter tolerance. h6*
- *Straightness t3/1000mm*
- *Surface roughness Ra = 0.25µm*
- *Ends machined + deburred but not chamfered*

Options

- *Available in 3mm and 4mm diameters, please contact us for details. Please see following pages for details of machining options*



For lengths greater than 1000mm, please contact us

DISCOUNTS

Qty	1+	6+	20+	40+	60+
Disc.	List	-20%	-25%	-30%	On request

Part number	Nominal ØD (h6)	Hardened depth (mm)	Circularity t1 (µm)	Cylindricity t2 (µm)	Straightness t3 (mm/m)	Standard length L (mm)	Max. length L (mm)	Weight (kg/m)	Stock*	Price each 1 to 5 (for 1m)
Z-5-1000A	5	0,5-0,8	4	6	0,16	1000	3200	0,15	✔	28,09 €
Z-6-1000A	6	0,5-0,8	4	6	0,16	1000	3000	0,22	✔	23,64 €
Z-8-1000A	8	0,6-0,9	4	6	0,16	1000	3000	0,39	✔	10,62 €
Z-10-1000A	10	0,7-1,0	4	6	0,12	1000	4500	0,61	✔	14,16 €
Z-12-1000A	12	0,8-1,2	5	8	0,12	1000	6000	0,89	✔	16,52 €
Z-14-1000A	14	0,9-1,3	5	8	0,12	1000	6000	1,21	✔	23,64 €
Z-15-1000A	15	1,0-1,4	5	8	0,12	1000	6000	1,37	✔	23,64 €
Z-16-1000A	16	1,1-1,5	5	8	0,10	1000	6000	1,57	✔	20,32 €
Z-18-1000A	18	1,1-1,5	5	8	0,10	1000	6000	1,98	✔	30,74 €
Z-20-1000A	20	1,2-1,5	6	9	0,10	1000	6000	2,45	-	50,01 €
Z-25-1000A	25	1,5-1,7	6	9	0,10	1000	6000	3,83	✔	34,33 €
Z-30-1000A	30	1,5-1,9	6	9	0,10	1000	6000	5,51	✔	51,01 €
Z-40-1000A	40	1,6-2,0	7	11	0,10	1000	6000	9,80	✔	82,80 €
Z-50-1000A	50	2,2-2,6	7	11	0,10	1000	6000	15,30	-	132,48 €
Z-60-1000A	60	2,2-2,6	8	13	0,10	1000	6000	22,10	-	189,28 €
Z-80-1000A	80	2,2-2,6	8	13	0,10	1000	6000	39,20	-	359,68 €

**Depending on availability - Dimensions in mm*

Shaft for linear guides

Hardened and ground stainless steel

ZB

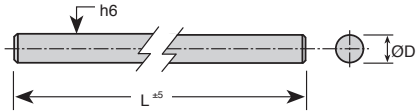
- ***Hardened steel shaft for linear guides***
- *Material: Stainless steel X90 CrMoV18 hardened by high frequency (55±3 HRc)*
- *Hardened depth: 0.8 to 2.6mm, conforms to DIN 6773*
- *Standard length 1000mm*
- *External diameter tolerance h6*
- *Straightness t3/1000mm*
- *Surface roughness Ra = 0,25µm*
- *Ends machined + deburred but not chamfered*

Options

- *Please contact us for details of machining options*

Advantages

- *High resistance to corrosion and acids*



For lengths greater than 1000mm, please contact us

DISCOUNTS

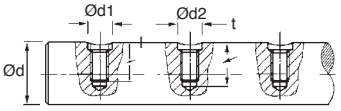
Qty	1+	6+	20+	40+
Disc.	List	-25%	-30%	On request

Part number	Nominal ØD (h6)	Treating depth (mm)	Circularity t1 (µm)	Cylindricity t2 (µm)	S/steel t3 (mm/m)	Standard length L (mm)	Max. length L (mm)	Weight (kg/m)	Stock*	Price each 1 to 5 (for 1m)
Z-6-1000B	6	0,5-0,8	4	6	0,16	1000	3000	0,22	✔	53,22 €
Z-8-1000B	8	0,6-0,9	4	6	0,16	1000	3000	0,39	✔	42,56 €
Z-10-1000B	10	0,7-1,0	4	6	0,16	1000	4500	0,61	✔	49,68 €
Z-12-1000B	12	0,8-1,2	5	8	0,12	1000	6000	0,89	✔	49,68 €
Z-16-1000B	16	1,1-1,5	5	8	0,12	1000	6000	1,57	✔	75,71 €
Z-20-1000B	20	1,2,-1,6	6	9	0,10	1000	6000	2,45	✔	112,39 €
Z-25-1000B	25	1,5-1,7	6	9	0,10	1000	6000	3,83	✔	177,44 €
Z-30-1000B	30	1,5-1,9	6	9	0,10	1000	6000	5,51	✔	260,26 €
Z-40-1000B	40	2,5-3,0	7	11	0,10	1000	3000	9,80	-	402,24 €
Z-50-1000B	50	2,7-3,2	7	11	0,10	1000	3000	15,30	-	591,58 €

**Depending on availability - Dimensions in mm*

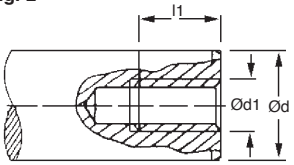
Send your drawing to email: cial2@hpceurope.com

Fig. 1



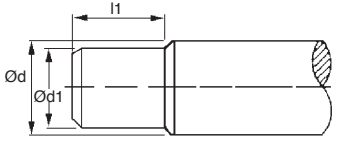
Recommended thread				
Ød	d1 min	d2 max	t	l
12	M4	M4	9	6
16	M5	M5	11	8
20	M5	M6	12	8
25	M5	M8	15	10
30	M6	M10	18	12

Fig. 2



Recommended thread	
Ød	$Ød_1$
8-15	M4-M5
16-22	M5-M8
25-32	M10-M12

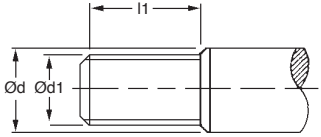
Fig. 3



- Alternatives diameters are available
- Can be either machined or ground

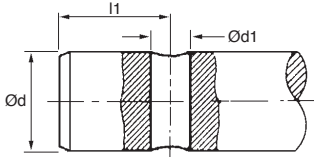
Send your drawing to email: cial2@hpceurope.com

Fig. 4



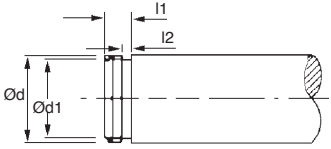
- Shaft end is threaded.
- The end of the shaft may be annealed (depends on diameter and thread).
- The undercut of the soft thread can be with or without a slit.

Fig. 5



- Shaft end with transversal bore.
- Shaft is annealed around the bore. If annealing is not possible, each side will be milled.

Fig. 6



- Shaft end with slot for circlip.
- If requested, hardened shafts can be soften or annealed (to DIN 471).