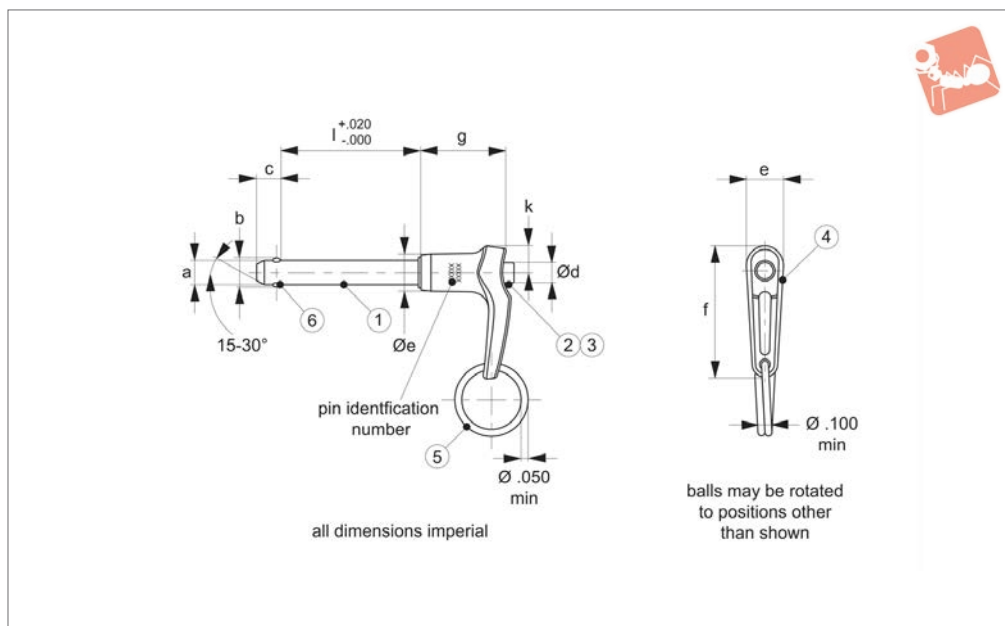


Aviation Pip-Pin, Standard LA Handle

single acting, quick release pins - according to

Ball Lock Pins & Quick Release



33620

BALL LOCK PINS & QUICK RELEASE PINS

Material

Shank (part 1) & spindle (part 2):

CRES 17-4PH (AMS 5643), heat treated per MIL-H-6875, condition H900, min. 40 HRC, passivated per AMS2700.

Spring (part 3, not shown):

CRES 302 (ASTM-A-313), heat treated per MIL-H-6875, passivated per AMS2700.

Handle (part 4):

A380 (QQ-A-591), anodized (black) per MIL-A-8625.

Attaching ring (part 5):

CRES 302 (ASTM-A-313), passivated per AMS2700.

Ball (locking element, part 6):

CRES CL440C (AMS5630), heat treated per MIL-H-6875, passivated per AMS2700.

Technical Notes

Wixroyd Aviation Pip-pins manufactured to Aviation Norm NASM 17986 (former norm: MS 17986) and tested to NAS 1332.

Manufacture certified & assessed to EN9100D by EASE (European Aerospace Supplier Evaluation).

Temp. range -22°F to 302°F

Pressing = unlocking.

Releasing = locking.

Pip-pins are used for frequently repeated operations such as quick fastening, locking, adjusting, changing and securing. All dimensions shown are imperial.

Tips

We can manufacture specials (both metric & imperial) to your drawing, and are certified to produce to NASM standards.

Wixroyd Aviation Pip-Pins can be produced within the following dimensions:

+ diameter: from 3/16" to 1"

+ grip length: from 0.3" to 9.9"

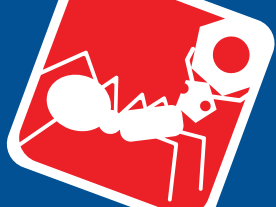
Quick production time on small batches.

Order No.	Dia. Ø nom.	Grip l	b	c	Ø d max.	Ø e max.	Weight g
33620.A005	3/16	0.5	0.220	0.260	0.310	0.500	23
33620.A008	3/16	0.8	0.220	0.260	0.310	0.500	26
33620.A010	3/16	1.0	0.220	0.260	0.310	0.500	26
33620.A013	3/16	1.3	0.220	0.260	0.310	0.500	28
33620.A014	3/16	1.4	0.220	0.260	0.310	0.500	28
33620.A017	3/16	1.7	0.220	0.260	0.310	0.500	27
33620.B012	1/4	1.2	0.289	0.290	0.310	0.500	32
33620.B015	1/4	1.5	0.289	0.290	0.310	0.500	33
33620.B017	1/4	1.7	0.289	0.290	0.310	0.500	34
33620.B016	1/4	1.6	0.289	0.290	0.310	0.500	33
33620.B021	1/4	2.1	0.289	0.290	0.310	0.500	36
33620.C004	5/16	0.4	0.375	0.330	0.310	0.500	29
33620.C006	5/16	0.6	0.375	0.330	0.310	0.500	30
33620.C010	5/16	1.0	0.375	0.330	0.310	0.500	34
33620.C013	5/16	1.3	0.375	0.330	0.310	0.500	37
33620.C016	5/16	1.6	0.375	0.330	0.310	0.500	40
33620.C018	5/16	1.8	0.375	0.330	0.310	0.500	43
33620.C020	5/16	2.0	0.375	0.330	0.310	0.500	41
33620.C023	5/16	2.3	0.375	0.330	0.310	0.500	46
33620.C029	5/16	2.9	0.375	0.330	0.310	0.500	54
33620.C030	5/16	3.0	0.375	0.330	0.310	0.500	53



Order No.	Dia. Ø nom.	Grip l	b	c	Ø d max.	Ø e max.	Weight g
33620.C033	5/16	3.3	0.375	0.330	0.310	0.500	57
33620.C036	5/16	3.6	0.375	0.330	0.310	0.500	60
33620.C040	5/16	4.0	0.375	0.330	0.310	0.500	64
33620.D010	3/8	1.0	0.440	0.365	0.390	0.625	49
33620.D015	3/8	1.5	0.440	0.365	0.390	0.625	59
33620.D020	3/8	2.0	0.440	0.365	0.390	0.625	65
33620.D024	3/8	2.4	0.440	0.365	0.390	0.625	71
33620.D026	3/8	2.6	0.440	0.365	0.390	0.625	73
33620.D030	3/8	3.0	0.440	0.365	0.390	0.625	72
33620.D060	3/8	6.0	0.440	0.365	0.390	0.625	122
33620.E012	7/16	1.2	0.509	0.380	0.390	0.625	61
33620.E035	7/16	3.5	0.509	0.380	0.390	0.625	-
33620.E040	7/16	4.0	0.509	0.380	0.390	0.625	115
33620.E055	7/16	5.5	0.509	0.380	0.390	0.625	146
33620.F010	1/2	1.0	0.594	0.460	0.565	0.800	83
33620.F015	1/2	1.5	0.594	0.460	0.565	0.800	95
33620.F019	1/2	1.9	0.594	0.460	0.565	0.800	103
33620.F034	1/2	3.4	0.594	0.460	0.565	0.800	143
33620.F042	1/2	4.2	0.594	0.460	0.565	0.800	160
33620.F045	1/2	4.5	0.594	0.460	0.565	0.800	172
33620.G017	9/16	1.7	0.666	0.510	0.565	0.800	116
33620.G025	9/16	2.5	0.666	0.510	0.565	0.800	140
33620.G040	9/16	4.0	0.666	0.510	0.565	0.800	189
33620.G050	9/16	5.0	0.666	0.510	0.565	0.800	-
33620.G060	9/16	6.0	0.666	0.510	0.565	0.800	249
33620.G075	9/16	7.5	0.666	0.510	0.565	0.800	298

Order No.	Ø f max.	g max.	h min.	k max.	Shearing resistance, double lb min.	Location hole dia. max.	MS Part No.
33620.A005	1.80	1.27	0.76	0.34	5.150	0.1940	MS17986C305
33620.A008	1.80	1.27	0.76	0.34	5.150	0.1940	MS17986C308
33620.A010	1.80	1.27	0.76	0.34	5.150	0.1940	MS17986C310
33620.A013	1.80	1.27	0.76	0.34	5.150	0.1940	MS17986C313
33620.A014	1.80	1.27	0.76	0.34	5.150	0.1940	MS17986C314
33620.A017	1.80	1.27	0.76	0.34	5.150	0.1940	MS17986C317
33620.B012	1.80	1.27	0.76	0.34	9.200	0.2540	MS17986C412
33620.B015	1.80	1.27	0.76	0.34	9.200	0.2540	MS17986C415
33620.B017	1.80	1.27	0.76	0.34	9.200	0.2540	MS17986C417
33620.B016	1.80	1.27	0.76	0.34	9.200	0.2540	MS17986C416
33620.B021	1.80	1.27	0.76	0.34	9.200	0.2540	MS17986C421
33620.C004	1.80	1.27	0.76	0.34	14400	0.3165	MS17986C504
33620.C006	1.80	1.27	0.76	0.34	14400	0.3165	MS17986C506
33620.C010	1.80	1.27	0.76	0.34	14400	0.3165	MS17986C510
33620.C013	1.80	1.27	0.76	0.34	14400	0.3165	MS17986C513
33620.C016	1.80	1.27	0.76	0.34	14400	0.3165	MS17986C516
33620.C018	1.80	1.27	0.76	0.34	14400	0.3165	MS17986C518
33620.C020	1.80	1.27	0.76	0.34	14400	0.3165	MS17986C520
33620.C023	1.80	1.27	0.76	0.34	14400	0.3165	MS17986C523
33620.C029	1.80	1.27	0.76	0.34	14400	0.3165	MS17986C529
33620.C030	1.80	1.27	0.76	0.34	14400	0.3165	MS17986C530
33620.C033	1.80	1.27	0.76	0.34	14400	0.3165	MS17986C533
33620.C036	1.80	1.27	0.76	0.34	14400	0.3165	MS17986C536
33620.C040	1.80	1.27	0.76	0.34	14400	0.3165	MS17986C540
33620.D010	2.03	1.45	0.85	0.39	20700	0.3790	MS17986C610
33620.D015	2.03	1.45	0.85	0.39	20700	0.3790	MS17986C615
33620.D020	2.03	1.45	0.85	0.39	20700	0.3790	MS17986C620
33620.D024	2.03	1.45	0.85	0.39	20700	0.3790	MS17986C624
33620.D026	2.03	1.45	0.85	0.39	20700	0.3790	MS17986C626
33620.D030	2.03	1.45	0.85	0.39	20700	0.3790	MS17986C630
33620.D060	2.03	1.45	0.85	0.39	20700	0.3790	MS17986C660
33620.E012	2.03	1.47	0.85	0.39	28500	0.4425	MS17986C712
33620.E035	2.03	1.47	0.85	0.39	28500	0.4425	MS17986C735
33620.E040	2.03	1.47	0.85	0.39	28500	0.4425	MS17986C740
33620.E055	2.03	1.47	0.85	0.39	28500	0.4425	MS17986C755
33620.F010	2.36	1.60	0.85	0.50	36900	0.5050	MS17986C810
33620.F015	2.36	1.60	0.85	0.50	36900	0.5050	MS17986C815
33620.F019	2.36	1.60	0.85	0.50	36900	0.5050	MS17986C819



Aviation Pip-Pin, Standard LA Handle

single acting, quick release pins - according to

Ball Lock Pins & Quick Release

Order No.	Ø f max.	g max.	h min.	k max.	Shearing resistance, double lb min.	Location hole dia. max.	MS Part No.
33620.F034	2.36	1.60	0.85	0.50	36900	0.5050	MS17986C834
33620.F042	2.36	1.60	0.85	0.50	36900	0.5050	MS17986C842
33620.F045	2.36	1.60	0.85	0.50	36900	0.5050	MS17986C845
33620.G017	2.36	1.60	0.85	0.50	46700	0.5675	MS17986C917
33620.G025	2.36	1.60	0.85	0.50	46700	0.5675	MS17986C925
33620.G040	2.36	1.60	0.85	0.50	46700	0.5675	MS17986C940
33620.G050	2.36	1.60	0.85	0.50	46700	0.5675	MS17986C950
33620.G060	2.36	1.60	0.85	0.50	46700	0.5675	MS17986C960
33620.G075	2.36	1.60	0.85	0.50	46700	0.5675	MS17986C975



Wixroyd Flight Pin Range - Certified to Aviation Standards

With many years experience producing an extensive range of standard Pip-pins (also know as quick release pins or ball lock pins) we are now able to offer of Aviation Standard approved Pip-pins, manufactured according to NASM norms (formerly MS norms) and tested to NAS 1332 standards.

Expanding Range



33600 - Single acting Pip-pin, standard B handle

33610 - Single acting Pip-pin, standard TA handle

33620 - Single acting Pip-pin, standard LA handle

33630 - Single acting Pip-pin, standard R handle

Wide Range of Aviation Applications

- Interior panel attachment
- Baby bassinet pin
- Curtain track attachment
- Curtain track support pins
- TV monitor attachment
- Folding table assembly (e.g. First Class Cabins)

Aviation Approved

The Wixroyd Aviation Pip-pin range is produced according to NASM norms, and tested to NAS standards. Our manufacturing processes have been assessed and certified by EASE (European Aerospace Supplier Evaluation) to EN9100D.

All our Aviation Pip-pins are individually marked to enable identification of their production lot number.

In-Stock and Available?

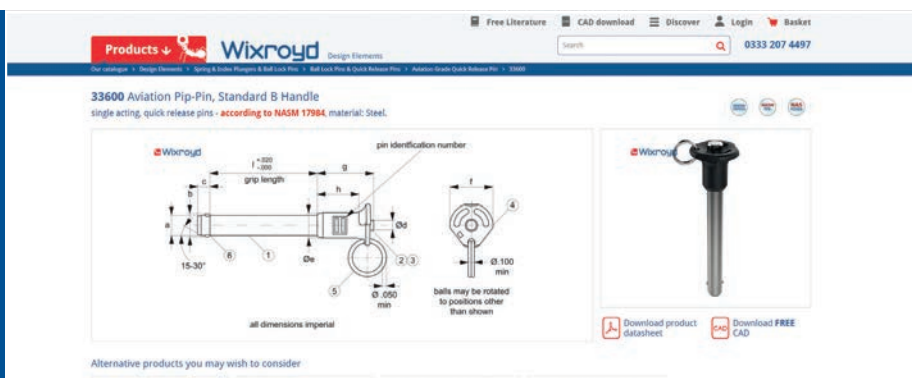
Yes! The product sizes shown on the following pages, with a cross reference to the NASM part code for ease of identification, are all available from stock for delivery within 5 days.

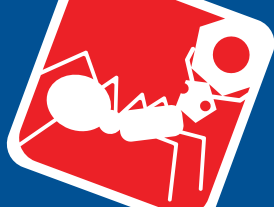
Special Designs

We have extensive knowledge and experience in designing, producing and assembling bespoke design pip-pins and ball lock pins in both imperial and metric sizes. We produce under a fully certified manufacturing process, both to our own high standard or to meet Aviation standards.

Please contact our technical team to discuss your requirements (tel. 0845 26 66 577) or email a drawing to info@wixroyd.com

For our full range visit:
wixroyd.com





Wixroyd Flight Pin Range - Certified to Aviation Standards

Your normal experience may be that imperial Aviation Standard Pip-pins are hard to obtain; price prohibitive, and delivery times far too long. The range of Wixroyd Aviation Pip-pins, in a variety of imperial dimensions, has been designed to solve these problems - we hold a wide, and ever increasing range of sizes ex-stock for immediate delivery - no more 6-8 week lead time!

With many years experience producing an extensive range of standard Pip-pins (also know as quick release pins or ball lock pins) we are now able to offer of Aviation Standard approved Pip-pins, manufactured according to NASM norms (formerly MS norms) and tested to NAS 1332 standards.

- Interior panel attachment
- Baby bassinet pin
- Curtain track attachment
- Curtain track support pins
- TV monitor attachment
- Folding table assembly (e.g. First Class Cabins)

Wide Range of Aviation Applications

Yes! The product sizes shown on the following pages, with a cross reference to the NASM part code for ease of identification, are all available from stock for delivery within 5 days.

In-stock and Available?

Our Aviation Pip-pins are manufactured to NASM norms, and we follow the material specification of these norms, which means you can feel safe in purchasing a part which is to specification - both in materials and strength.

Materials



The new Wixroyd Aviation Pip-pin range is produced according to NASM norms, and tested to NAS standards. Our manufacturing processes have been assessed and certified by EASE (European Aerospace Supplier Evaluation) to EN9100D.

Aviation Approved

All our Aviation Pip-pins are individually marked to enable identification of their production lot number. Marking allows identification of:

- NASM Standard Number
- Material Grade
- Pin/shank diameter
- Grip length
- Company identification
- Production lot number.

Identifying Production Batches

We have extensive knowledge and experience in designing, producing and assembling bespoke design pip-pins and ball lock pins in both imperial and metric sizes. We produce under a fully certified manufacturing process, both to our own high standard or to meet Aviation standards.

We can customise to meet your needs:

- Changes in grip/handle type
- Material variations
- Changes of functional dimensions; pin diameter, pin grip length

Please contact our technical team to discuss your requirements (tel. 0845 26 66 577) or email a drawing to info@wixroyd.com

Special Designs



Single acting Pip-pin, standard B handle



Single acting Pip-pin, standard TA handle



Single acting Pip-pin, standard LA handle



Single acting Pip-pin, standard R handle

Expanding Range