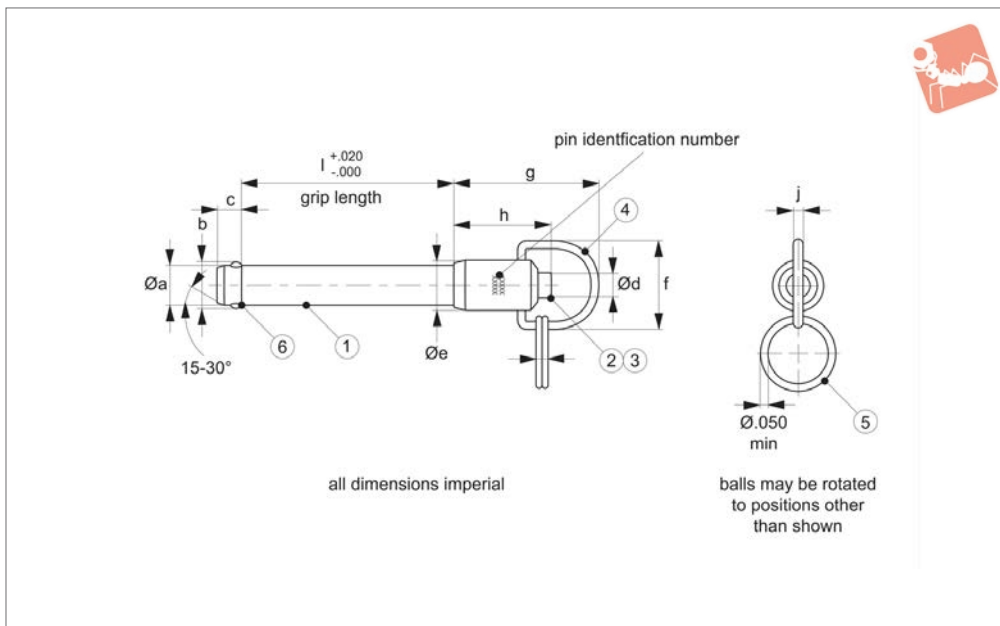




# Aviation Pip-Pin, Standard R Handle

single acting, quick release pins - according to

# Ball Lock Pins & Quick Release



**33630**

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):

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

#### 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 17987 (former norm: MS 17987) 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
33630.A008	3/16	0.8	,594	,460	,565	0.53	24
33630.A009	3/16	0.9	,594	,460	,565	0.53	24
33630.A010	3/16	1.0	,594	,460	,565	0.53	24
33630.A011	3/16	1.1	,594	,460	,565	0.53	25
33630.A012	3/16	1.2	,594	,460	,565	0.53	25
33630.A015	3/16	1.5	,594	,460	,565	0.53	26
33630.A016	3/16	1.6	,594	,460	,565	0.53	26
33630.A017	3/16	1.7	,594	,460	,565	0.53	27
33630.A025	3/16	2.5	,594	,460	,565	0.53	30
33630.A031	3/16	3.1	,594	,460	,565	0.53	33
33630.A043	5/16	4.3	,594	,460	,565	0.53	-
33630.B004	1/4	0.4	,594	,460	,565	0.53	24
33630.B005	1/4	0.5	,594	,460	,565	0.53	24
33630.B006	1/4	0.6	,594	,460	,565	0.53	25
33630.B007	1/4	0.7	,594	,460	,565	0.53	26
33630.B008	1/4	0.8	,594	,460	,565	0.53	27
33630.B009	1/4	0.9	,594	,460	,565	0.53	27
33630.B010	1/4	1.0	,594	,460	,565	0.53	27
33630.B011	1/4	1.1	,594	,460	,565	0.53	28
33630.B012	1/4	1.2	,594	,460	,565	0.53	29
33630.B014	1/4	1.4	,594	,460	,565	0.53	30

# Ball Lock Pins & Quick Release



# Aviation Pip-Pin, Standard R Handle

single acting, quick release pins - according to



BALL LOCK PINS & QUICK RELEASE PINS

Order No.	Dia. Ø nom.	Grip l	b	c	Ø d max.	Ø e max.	Weight g
33630.B015	1/4	1.5	,594	,460	,565	0.53	31
33630.B017	1/4	1.7	,594	,460	,565	0.53	32
33630.B018	1/4	1.8	,594	,460	,565	0.53	32
33630.B019	1/4	1.9	,594	,460	,565	0.53	33
33630.B020	1/4	2.0	,594	,460	,565	0.53	34
33630.B021	1/4	2.1	,594	,460	,565	0.53	34
33630.B022	1/4	2.2	,594	,460	,565	0.53	36
33630.B025	1/4	2.5	,594	,460	,565	0.53	37
33630.B029	1/4	2.9	,594	,460	,565	0.53	40
33630.B030	1/4	3.0	,594	,460	,565	0.53	39
33630.B040	1/4	4.0	,594	,460	,565	0.53	47
33630.B047	1/4	4.7	,594	,460	,565	0.53	50
33630.C006	5/16	0.6	,594	,460	,565	0.59	30
33630.C007	5/16	0.7	,594	,460	,565	0.59	31
33630.C008	5/16	0.8	,594	,460	,565	0.59	33
33630.C009	5/16	0.9	,594	,460	,565	0.59	34
33630.C011	5/16	1.1	,594	,460	,565	0.59	35
33630.C012	5/16	1.2	,594	,460	,565	0.59	36
33630.C013	5/16	1.3	,594	,460	,565	0.59	38
33630.C015	5/16	1.5	,594	,460	,565	0.59	39
33630.C016	5/16	1.6	,594	,460	,565	0.59	39
33630.C018	5/16	1.8	,594	,460	,565	0.59	42
33630.C019	5/16	1.9	,594	,460	,565	0.59	43
33630.C020	5/16	2.0	,594	,460	,565	0.59	43
33630.C023	5/16	2.3	,594	,460	,565	0.59	46
33630.C026	5/16	2.6	,594	,460	,565	0.59	48
33630.C033	5/16	3.3	,594	,460	,565	0.59	56
33630.C035	5/16	3.5	,594	,460	,565	0.59	59
33630.C060	5/16	6.0	,594	,460	,565	0.59	85
33630.C067	5/16	6.7	,594	,460	,565	0.59	92
33630.D008	3/8	0.8	,594	,460	,565	0.65	49
33630.D009	3/8	0.9	,594	,460	,565	0.65	50
33630.D010	3/8	1.0	,594	,460	,565	0.65	52
33630.D011	3/8	1.1	,594	,460	,565	0.65	53
33630.D012	3/8	1.2	,594	,460	,565	0.65	54
33630.D013	3/8	1.3	,594	,460	,565	0.65	55
33630.D014	3/8	1.4	,594	,460	,565	0.65	55
33630.D015	3/8	1.5	,594	,460	,565	0.65	58
33630.D016	3/8	1.6	,594	,460	,565	0.65	61
33630.D018	3/8	1.8	,594	,460	,565	0.65	62
33630.D026	3/8	2.6	,594	,460	,565	0.65	73
33630.D030	3/8	3.0	,594	,460	,565	0.65	80
33630.D031	3/8	3.1	,594	,460	,565	0.65	82
33630.D043	3/8	4.3	,594	,460	,565	0.65	97
33630.E008	7/16	0.8	,594	,460	,565	0.71	56
33630.E012	7/16	1.2	,594	,460	,565	0.71	65
33630.E014	7/16	1.4	,594	,460	,565	0.71	68
33630.E015	7/16	1.5	,594	,460	,565	0.71	-
33630.E019	7/16	1.9	,594	,460	,565	0.71	77
33630.E020	7/16	2.0	,594	,460	,565	0.71	81
33630.E022	7/16	2.2	,594	,460	,565	0.71	81
33630.E024	7/16	2.4	,594	,460	,565	0.71	88
33630.E026	7/16	2.6	,594	,460	,565	0.71	88
33630.F011	1/2	1.1	,594	,460	,565	0.80	88
33630.F012	1/2	1.2	,594	,460	,565	0.80	91
33630.F013	1/2	1.3	,594	,460	,565	0.80	93
33630.F014	1/2	1.4	,594	,460	,565	0.80	96
33630.F015	1/2	1.5	,594	,460	,565	0.80	98
33630.F020	1/2	2.0	,594	,460	,565	0.80	109
33630.F023	1/2	2.3	,594	,460	,565	0.80	117
33630.F033	1/2	3.3	,594	,460	,565	0.80	141
33630.F039	1/2	3.9	,594	,460	,565	0.80	160
33630.F045	1/2	4.5	,594	,460	,565	0.80	160
33630.F050	1/2	5.0	,594	,460	,565	0.80	187
33630.F053	1/2	5.3	,594	,460	,565	0.80	186
33630.F065	1/2	6.5	,594	,460	,565	0.80	215
33630.F080	1/2	8.0	,594	,460	,565	0.80	260
33630.G013	9/16	1.3	,594	,460	,565	0.84	120



# Aviation Pip-Pin, Standard R Handle

single acting, quick release pins - according to

# Ball Lock Pins & Quick Release

Order No.	Dia. Ø nom.	Grip l	b	c	Ø d max.	Ø e max.	Weight g
33630.G025	9/16	2.5	,594	,460	,565	0.84	150
33630.G030	9/16	3.0	,594	,460	,565	0.84	166
33630.G037	9/16	3.7	,594	,460	,565	0.84	183
33630.G055	9/16	5.5	,594	,460	,565	0.84	245

Order No.	Ø f max.	g max.	h min.	Shearing resistance, double lb min.	Location hole dia. max.	MS Part No.
33630.A008	1.45	0.73	0.08	5.150	0.1940	MS17987C308
33630.A009	1.45	0.73	0.08	5.150	0.1940	MS17987C309
33630.A010	1.45	0.73	0.08	5.150	0.1940	MS17987C310
33630.A011	1.45	0.73	0.08	5.150	0.1940	MS17987C311
33630.A012	1.45	0.73	0.08	5.150	0.1940	MS17987C312
33630.A015	1.45	0.73	0.08	5.150	0.1940	MS17987C315
33630.A016	1.45	0.73	0.08	5.150	0.1940	MS17987C316
33630.A017	1.45	0.73	0.08	5.150	0.1940	MS17987C317
33630.A025	1.45	0.73	0.08	5.150	0.1940	MS17987C325
33630.A031	1.45	0.73	0.08	5.150	0.1940	MS17987C331
33630.A043	1.45	0.73	0.08	5.150	0.1940	MS17987C343
33630.B004	1.50	0.78	0.08	9.200	0.2540	MS17987C404
33630.B005	1.50	0.78	0.08	9.200	0.2540	MS17987C405
33630.B006	1.50	0.78	0.08	9.200	0.2540	MS17987C406
33630.B007	1.50	0.78	0.08	9.200	0.2540	MS17987C407
33630.B008	1.50	0.78	0.08	9.200	0.2540	MS17987C408
33630.B009	1.50	0.78	0.08	9.200	0.2540	MS17987C409
33630.B010	1.50	0.78	0.08	9.200	0.2540	MS17987C410
33630.B011	1.50	0.78	0.08	9.200	0.2540	MS17987C411
33630.B012	1.50	0.78	0.08	9.200	0.2540	MS17987C412
33630.B014	1.50	0.78	0.08	9.200	0.2540	MS17987C414
33630.B015	1.50	0.78	0.08	9.200	0.2540	MS17987C415
33630.B017	1.50	0.78	0.08	9.200	0.2540	MS17987C417
33630.B018	1.50	0.78	0.08	9.200	0.2540	MS17987C418
33630.B019	1.50	0.78	0.08	9.200	0.2540	MS17987C419
33630.B020	1.50	0.78	0.08	9.200	0.2540	MS17987C420
33630.B021	1.50	0.78	0.08	9.200	0.2540	MS17987C421
33630.B022	1.50	0.78	0.08	9.200	0.2540	MS17987C422
33630.B025	1.50	0.78	0.08	9.200	0.2540	MS17987C425
33630.B029	1.50	0.78	0.08	9.200	0.2540	MS17987C429
33630.B030	1.50	0.78	0.08	9.200	0.2540	MS17987C430
33630.B040	1.50	0.78	0.08	9.200	0.2540	MS17987C440
33630.B047	1.50	0.78	0.08	9.200	0.2540	MS17987C447
33630.C006	1.65	0.83	0.08	14400	0.3165	MS17987C506
33630.C007	1.65	0.83	0.08	14400	0.3165	MS17987C507
33630.C008	1.65	0.83	0.08	14400	0.3165	MS17987C508
33630.C009	1.65	0.83	0.08	14400	0.3165	MS17987C509
33630.C011	1.65	0.83	0.08	14400	0.3165	MS17987C511
33630.C012	1.65	0.83	0.08	14400	0.3165	MS17987C512
33630.C013	1.65	0.83	0.08	14400	0.3165	MS17987C513
33630.C015	1.65	0.83	0.08	14400	0.3165	MS17987C515
33630.C016	1.65	0.83	0.08	14400	0.3165	MS17987C516
33630.C018	1.65	0.83	0.08	14400	0.3165	MS17987C518
33630.C019	1.65	0.83	0.08	14400	0.3165	MS17987C519
33630.C020	1.65	0.83	0.08	14400	0.3165	MS17987C520
33630.C023	1.65	0.83	0.08	14400	0.3165	MS17987C523
33630.C026	1.65	0.83	0.08	14400	0.3165	MS17987C526
33630.C033	1.65	0.83	0.08	14400	0.3165	MS17987C533
33630.C035	1.65	0.83	0.08	14400	0.3165	MS17987C535
33630.C060	1.65	0.83	0.08	14400	0.3165	MS17987C560
33630.C067	1.65	0.83	0.08	14400	0.3165	MS17987C567
33630.D008	1.65	0.94	0.08	20700	0.3790	MS17987C608
33630.D009	1.65	0.94	0.08	20700	0.3790	MS17987C609
33630.D010	1.65	0.94	0.08	20700	0.3790	MS17987C610
33630.D011	1.65	0.94	0.08	20700	0.3790	MS17987C611
33630.D012	1.65	0.94	0.08	20700	0.3790	MS17987C612
33630.D013	1.65	0.94	0.08	20700	0.3790	MS17987C613
33630.D014	1.65	0.94	0.08	20700	0.3790	MS17987C614
33630.D015	1.65	0.94	0.08	20700	0.3790	MS17987C615
33630.D016	1.65	0.94	0.08	20700	0.3790	MS17987C616

BALL LOCK PINS & QUICK RELEASE PINS

# Ball Lock Pins & Quick Release



## Aviation Pip-Pin, Standard R Handle single acting, quick release pins - according to



BALL LOCK PINS & QUICK RELEASE PINS

Order No.	Ø f max.	g max.	h min.	Shearing resistance, double lb min.	Location hole dia. max.	MS Part No.
33630.D018	1.65	0.94	0.08	20700	0.3790	MS17987C618
33630.D026	1.65	0.94	0.08	20700	0.3790	MS17987C626
33630.D030	1.65	0.94	0.08	20700	0.3790	MS17987C630
33630.D031	1.65	0.94	0.08	20700	0.3790	MS17987C631
33630.D043	1.65	0.94	0.08	20700	0.3790	MS17987C643
33630.E008	1.85	0.98	0.08	28500	0.4425	MS17987C708
33630.E012	1.85	0.98	0.08	28500	0.4425	MS17987C712
33630.E014	1.85	0.98	0.08	28500	0.4425	MS17987C714
33630.E015	1.85	0.98	0.08	28500	0.4425	MS17987C715
33630.E019	1.85	0.98	0.08	28500	0.4425	MS17987C719
33630.E020	1.85	0.98	0.08	28500	0.4425	MS17987C720
33630.E022	1.85	0.98	0.08	28500	0.4425	MS17987C722
33630.E024	1.85	0.98	0.08	28500	0.4425	MS17987C724
33630.E026	1.85	0.98	0.08	28500	0.4425	MS17987C726
33630.F011	1.85	1.14	0.08	36900	0.5050	MS17987C811
33630.F012	1.85	1.14	0.08	36900	0.5050	MS17987C812
33630.F013	1.85	1.14	0.08	36900	0.5050	MS17987C813
33630.F014	1.85	1.14	0.08	36900	0.5050	MS17987C814
33630.F015	1.85	1.14	0.08	36900	0.5050	MS17987C815
33630.F020	1.85	1.14	0.08	36900	0.5050	MS17987C820
33630.F023	1.85	1.14	0.08	36900	0.5050	MS17987C823
33630.F033	1.85	1.14	0.08	36900	0.5050	MS17987C833
33630.F039	1.85	1.14	0.08	33900	0.5050	MS17987C839
33630.F045	1.85	1.14	0.08	36900	0.5050	MS17987C845
33630.F050	1.85	1.14	0.08	36900	0.5050	MS17987C850
33630.F053	1.85	1.14	0.08	36900	0.5050	MS17987C853
33630.F065	1.85	1.14	0.08	36900	0.5050	MS17987C865
33630.F080	1.85	1.14	0.08	36900	0.5050	MS17987C880
33630.G013	2.03	1.14	0.08	46700	0.5675	MS17987C913
33630.G025	2.03	1.14	0.08	46700	0.5675	MS17987C925
33630.G030	2.03	1.14	0.08	46700	0.5675	MS17987C930
33630.G037	2.03	1.14	0.08	46700	0.5675	MS17987C937
33630.G055	2.03	1.14	0.08	46700	0.5675	MS17987C955



### 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.



**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**

### Expanding Range

- 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

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.

### Aviation Approved

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?

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](mailto:info@wixroyd.com)

### Special Designs

Free Literature | CAD download | Discover | Login | Basket | 0333 207 4497

Products > Wixroyd Design Elements

33600 Aviation Pip-Pin, Standard B Handle  
single acting, quick release pins - according to NASM 17984, material: Steel.

pin identification number

grip length

all dimensions imperial

balls may be rotated to positions other than shown

Download product datasheet | Download FREE CAD

Alternative products you may wish to consider

For our full range visit:  
[wixroyd.com](http://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.

### 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)

### 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.

### Materials

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.

### Aviation Approved



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.

### Identifying Production Batches

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.

### 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.

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](mailto:info@wixroyd.com)

### Expanding Range



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