



**INTERNAL &
EXTERNAL-MOLD
DIE COMPONENTS**

NONNENMANN INC.

EJECTOR PINS

EJECTOR SLEEVES

FLAT-EJECTOR-PINS

PUNCHES

PILLARS

COOLING ITEMS

MULTI COUPLINGS

DRILL BUSHES



Nonnenmann GmbH

since 1989

Nonnenmann GmbH was founded in 1989 by Paul und Gudrun Nonnenmann.

During 1997 the next generation - Mr. Volker Nonnenmann took over the Company and brought along a new and progressive approach to the product offering as well as global Market Expansion.



Nonnenmann GmbH

Nonnenmann GmbH is a manufacturer and supplier of various products shown in the US catalog as well as in the Internet under

www.nonnenmann-inc.com

www.nonnenmann-gmbh.de.

Our complete product line includes Standard and Special Products for the:

- Plastic Injection Mold Making Industry
- Plastic Injection Molders
- Mold Makers
- Die & Stamping Industry
- Die Casting Industry:
- Machine Building / Automation & other Equipment Industry

Nonnenmann GMBH is a leading provider of over 60.000 products and provides just about any and all METRIC products as shown in internet under www.nonnenmann-gmbh.de as well as Inch & Metric Ejector Pins & Sleeves, Core Pins, Guide Pins, Guide Bushings and more. Please note our present North American product line at www.nonnenmann-inc.com

highest quality
low cost
fast delivery

- Ejector pins
- Ejector sleeves
- Flat ejector pins
- Core pins
- Cooling items
- Specials to Customer Drawings and specifications





Nonnenmann Inc.
founded in 2005

Nonnenmann Inc. was established in 2005 in order to service the North American Market directly from a new Marketing- and technical Sales Office AND Warehouse in Sterling Heights, Michigan.

Nonnenmann Inc. has made a commitment to the industry by supporting the manufacturing industry with HIGH quality AND LOW COST products delivered on time.

Over the past two years, Nonnenmann Inc. has established the same reputation North America as established over many years in Europe and has made a solid commitment to help its customers in their cost reduction efforts by providing these products.

Continuously increasing the Stock in the US Warehouse, the following products are presently in stocked in our Warehouse in Michigan:

- METRIC AND INCH EJECTOR PINS
- EJECTOR SLEEVES
- FLAT EJECTOR PINS
- CORE PINS
- COOLING ITEMS
- GUIDE PINS
- GUIDE BUSHINGS

Any product, presently not stocked in the USA will be stocked immediately based on any first order from a Customer and the customers volume and / or yearly requirements.

Specials made to customer drawings and specifications: Nonnenmann Inc. is VERY COMPETITIVE in the manufacturing of Specials to Customer Drawings and Specifications!

Please contact us with your requirements.

highest quality
low cost
fast delivery



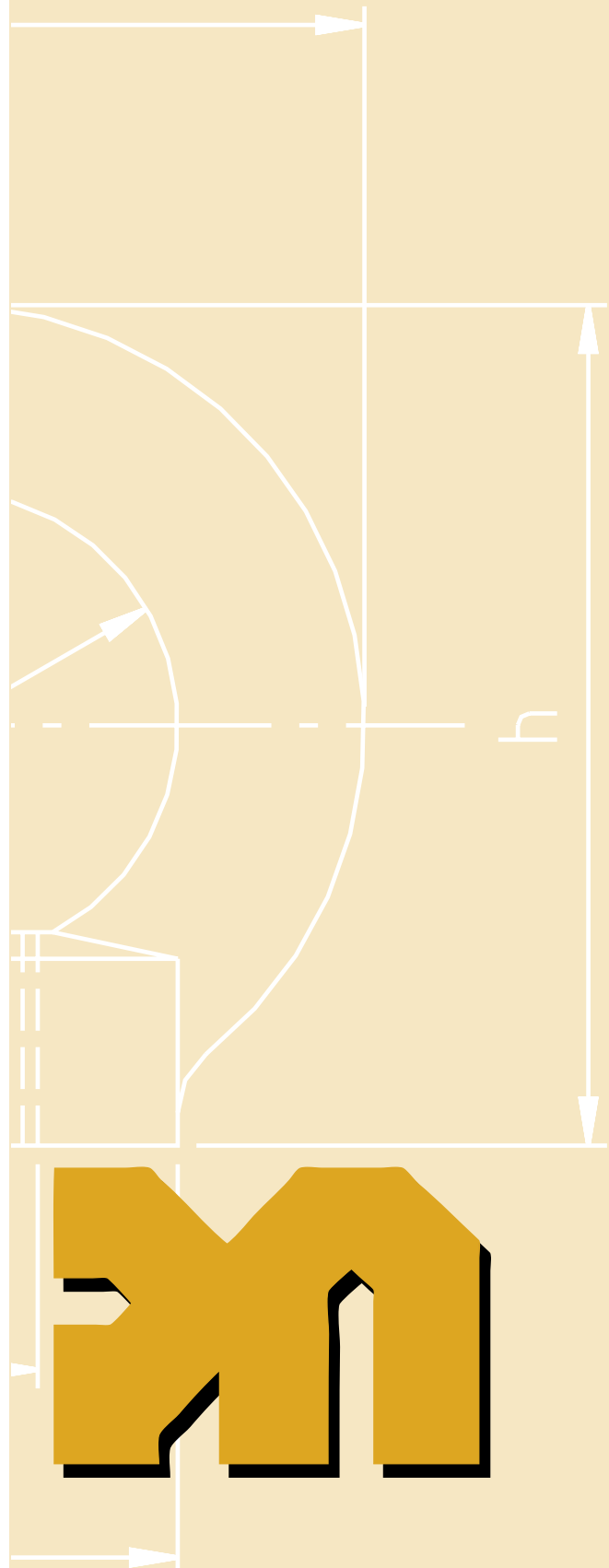


**Nonnenmann Inc.
Quality**

Nonnenmann GmbH is certified to the
European Quality Management System
DIN EN ISO 9001 : 2000

Our Ejector Pins & Sleeves etc. are
manufactured to stringent North American
Standards: Material, Heat Treat, Hardness,
Tolerances etc.

Consistent Quality Audits by our
management assures the quality of our
Products for our customers.





Nonnenmann Inc. Logistics

We deliver our products directly from stock in our warehouse in Michigan using logistic partners.

Internet:

If you would like to have more information about our products stocked in North America - please review our product line in the internet at:

www.nonnenmann-inc.com

Should you be interested in additional METRIC products, please check us out on line at:

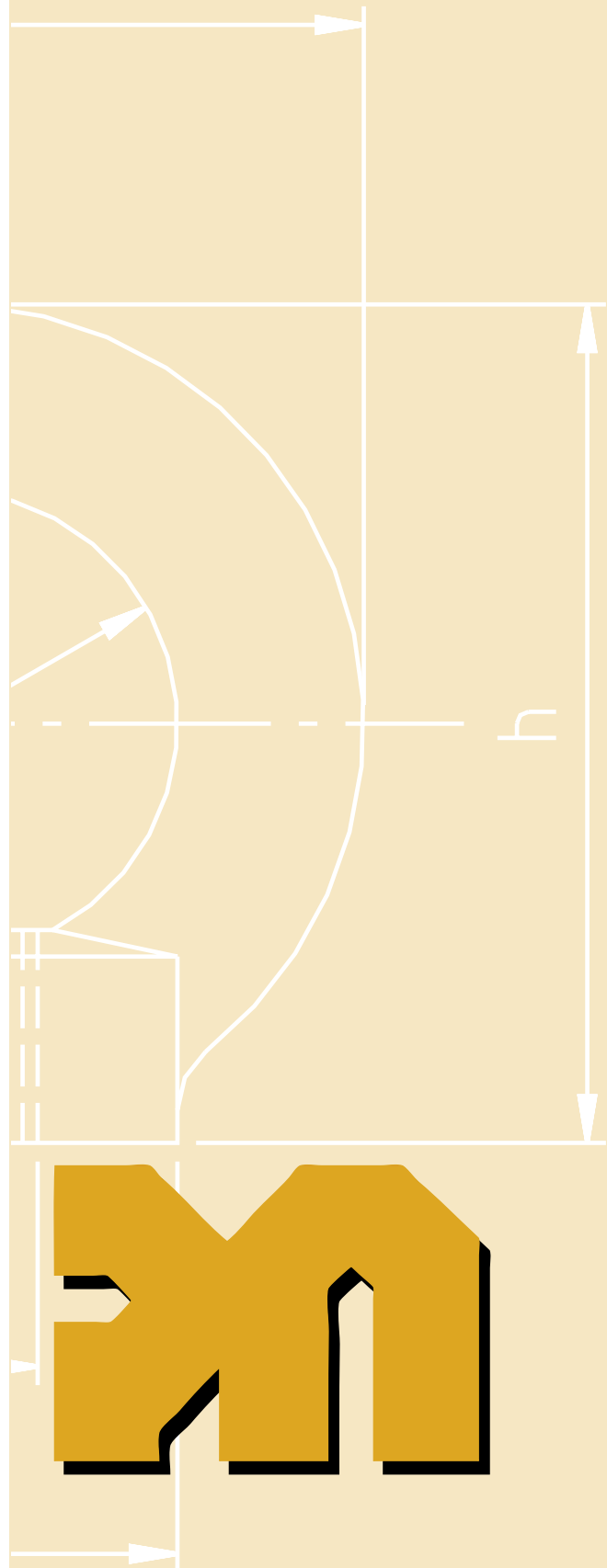
www.nonnenmann-gmbh.de

Contact:

Phone: 586 - 977 - 8190

Fax: 586 - 977 - 9847

E-mail: info@nonnenmann-inc.com



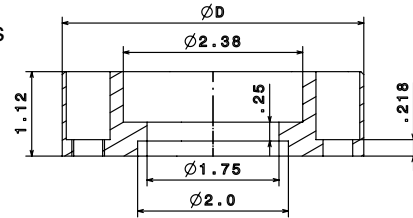


Nonnenmann Inc. Catalog Information (Reference for quick use)

Nitrited Ejector pins Inch-Sizes **1**
WG 8700 **2**

Technical Information **3**

Drawings



Article No.	Size	Price 4
FB6166	.5000 X .875	7,67
FB6167	.5000 X 1.187	8,67
FB6169	.5000 X 2.375	9,87

- 1** Name of the article
- 2** Product Group, with the product group your discount structure will be determined.
Please see our discount structure sheet.
- 3** The technical information and drawings will be information for our customers.
Mistakes or misunderstanding in the information will not be our responsibility
- 4** All prices are shown in US Dollars for each piece.

- ⚠** The quantities per package can change at anytime.
- ⚠** For printing errors, price adjustments and mistakes we take no responsibility.
- ⚠** Changes on the style and execution as well as the delivery terms can change at anytime.



Nonnenmann Inc. Terms and Conditions

(Page 1/2)

1. GENERAL

1.1 Contract Terms. These Terms and Conditions apply to the purchase of Nonnenmann Inc. („Nonnenmann“) products („Products“) by the customer („Customer“) identified on any invoice, confirmation order and/or purchase order issued by Nonnenmann for the sale of such Products by Nonnenmann to Customer. Unless otherwise indicated, these Terms and Conditions shall apply to the purchase of all Nonnenmann Products. Nonnenmann shall not be bound by, and specifically objects to, any term, condition or other provisions which are different from or in addition to the provisions of this Agreement (whether or not it would materially alter this Agreement) which is set forth in any purchase order, receipt, acceptance, confirmation, correspondence or otherwise of or by Customer, unless Nonnenmann specifically agrees to any such provision in a writing signed by Nonnenmann. Customer acknowledges that this is a commercial and not a consumer transaction.

1.2 Acceptance. An order shall be binding on Nonnenmann only after a credit approval and an order confirmation have been issued by Nonnenmann. Acceptance is expressly made conditional on Customer's acceptance of these Terms and Conditions. Customer shall be deemed to have assented to, and waived any objection to, this Agreement upon the earliest to occur of any of the following: Customer's completion or execution of this Agreement; Customer's acceptance of all or any part of the Products subject to this Agreement; Customer's failure to object in writing to this Agreement or to cancel its order within five (5) days of receipt of Nonnenmann's confirmation of Customer's purchase order; or delivery of the Products to the common carrier for shipment pursuant hereto.

1.3 Third Party Products. If this Agreement includes the sale of third party products not manufactured by Nonnenmann, then Customer agrees and acknowledges that (a) Customer has made the selection of these products on its own, (b) the products are being acquired by Nonnenmann solely at the request of and for the benefit of Customer, in order to eliminate the need for Customer to issue a separate purchase order to the manufacturer of the products, (c) no representation, warranty or guarantee has been made by Nonnenmann with respect to the products, (d) the obligation of Customer to pay Nonnenmann for the products is absolute and unconditional, (f) Customer will not assert any claim against Nonnenmann with respect to the products, and will look solely to the manufacturer regarding any such claims, and (g) Customer will indemnify and hold Nonnenmann harmless from and against any and all claims, regardless of the form of action, related to, resulting from or caused by the products or any work or service provided by the manufacturer of the products or any other party.

2. PRICES

2.1 Quotations. Unless otherwise agreed to in writing or set forth in the quotation, all prices quoted by Nonnenmann are based on U.S. dollars FOB Shipping Point, including standard and customary packaging. Domestic prices apply only to purchasers located in, and who will use the Products in, the U.S. International prices apply to all purchasers located outside of, or who will use or ship or facilitate shipment of the Products outside of, the U.S. Unless otherwise stated, the quotation shall only be valid for thirty (30) days from the date of the quotation.

2.2 Delay in Acceptance of Delivery. Should the agreed delivery date be postponed by Customer, Nonnenmann shall have the right to deliver to storage at Customer's risk and expense, and payments due upon delivery shall become due when Nonnenmann is ready to deliver.

2.3 Escalation. Unless otherwise agreed to in writing, except as to goods to be delivered within ninety (90) days of Nonnenmann's acceptance of Customer's purchase order, Nonnenmann reserves the right to increase its prices to those in effect at the time of shipment.

3. TAXES

Any sales, use or manufacturer's tax which may be imposed upon the sale or use of Products, or any property tax levied after readiness to ship, or any excise tax, license or similar fee required under this transaction, shall be in addition to the quoted prices and shall be paid by Customer.

4. PAYMENT TERMS

4.1 Due Date. Unless otherwise set forth in the quotation, the purchase price for the Products and all other amounts due hereunder are due net thirty (30) days from the date of invoice. All amounts payable hereunder are payable in U.S. dollars. Partial shipments shall be billed as made, and payments for such shipments will be made in accordance with the foregoing payment terms.

4.2 Late Payments. A service charge of 1% per month, not to exceed the maximum rate allowed by law, shall be made on any portion of Customer's outstanding balance which is not paid within thirty (30) days after invoice date, which charge shall be determined and compounded on a daily basis from the due date until the date paid. Payment of such service charge shall not excuse or cure Customer's breach or default for late payment. In addition, in the event that Customer fails to make any payment to Nonnenmann within this thirty (30) day period, including but not limited to any payment under any service contract or other agreement with Nonnenmann, then Nonnenmann shall have no obligation to continue performance under any agreement with Customer.

4.3 Payment of Lesser Amount. If Customer pays, or Nonnenmann otherwise receives, a lesser amount than the full amount due under this Agreement, such payment or receipt shall not constitute or be construed other than as on account of the earliest amount due Nonnenmann. Nonnenmann may accept any check or payment in any amount without prejudice to Nonnenmann's right to recover the balance of the amount due or to pursue any other right or remedy. No endorsement or statement on any check or payment elsewhere shall constitute or be construed as an accord or satisfaction.

4.4 Failure of Customer to Pay. At Nonnenmann's election upon Customer's failure to pay when due any amount required to be paid to Nonnenmann under this Agreement: (a) the entire amount of any indebtedness and obligation due Nonnenmann under this Agreement and interest thereon shall become immediately due and payable without notice, demand or grace period; (b) Customer shall put Nonnenmann in possession of the Products upon demand; (c) Nonnenmann may enter upon the premises where the Products are located and take possession of the Products without notice or demand and without legal proceedings; (d) Customer shall assemble the Products and make them available to Nonnenmann at a place designated by Nonnenmann; (e) Nonnenmann may sell or dispose of all or any portion of the Products and apply the proceeds thereof against any amounts due Nonnenmann under this Agreement. Customer agrees that a period of ten (10) days from the time notice is sent to Customer shall be a reasonable period of notification of sale or other disposition of the Products by or for Nonnenmann; and (f) Customer shall pay any deficiency remaining after collection of or realization by Nonnenmann on the Products. Further, Customer shall pay all costs and expenses incurred by Nonnenmann in enforcing the terms of this Agreement against Customer including, without limitation, reasonable attorneys' fees, court costs and other legal expenses.

6. DELIVERY, RISK OF LOSS

6.1 Delivery Date. Delivery and completion schedules are approximate only and are based on conditions at the time of acceptance of Customer's order by Nonnenmann. Nonnenmann shall make every reasonable effort to meet the delivery date(s) quoted or acknowledged, but shall not be liable for any failure to meet such date(s). Partial shipments may be made.

6.2 Risk of Loss, Title. Unless otherwise agreed to in writing, delivery shall be complete upon transfer of possession of the Products to common carrier, FOB shipping point, whereupon title to and risk of loss to the Products shall pass to Customer. All freight charges and other transportation, packing, and insurance costs, custom duties and other similar charges shall be the sole responsibility of Customer unless otherwise agreed to in writing by Nonnenmann. In the event of any loss or damage to any of the Products during shipment, Customer should make claim against the carrier. Packing will not be taken back by Nonnenmann.

7. SECURITY INTEREST/FILING

From the FOB point, Nonnenmann shall have a purchase money security interest in the Products (and all accessories and replacements thereto and all proceeds thereof) until payment in full by Customer and satisfaction of all obligations hereunder. Customer agrees that an original or a photocopy of this Agreement (including all attachments and amendments hereto) may be filed by Nonnenmann as a Uniform Commercial Code financing statement. Customer further represents and covenants that (a) Customer will keep the Products in good repair and working order until the purchase price has been paid in full, (b) Customer will promptly pay all taxes and assessments upon the Products or use thereof, and (c) Customer will not attempt to transfer any interest in the Products until the purchase price has been paid in full.

8. CHANGES, CANCELLATION AND RETURN AND REPAIR

8.1 Orders accepted by Nonnenmann are not subject to change except upon written agreement of the parties.

8.2 Orders accepted by Nonnenmann are non-cancelable by Customer except as follows:

The following are the only accepted reasons for return of material:

1. Breach of warranty, to include defective Products within their warranty period.

2. Customer order error.

3. Nonnenmann order or shipping error.

Products must be unused and in Nonnenmann original shipping containers. Returned Products, with the exception of returns of Products under warranty or due to Nonnenmann error, are subject to a twenty percent (20%) restocking charge.

The following non-warranty Products are not eligible for return:

1. Products that have been used.

2. Specially ordered or produced items.

3. Products that have been altered or abused by Customer.

8.3 Nonnenmann shall have the right to change the manufacture and/or design of its Products if, in the judgment of Nonnenmann, such change does not alter the general function of the Products.

9. FORCE MAJEURE

Nonnenmann will make every effort to complete shipment, and installation where indicated, but shall not be liable for any loss or damage for delay in delivery, inability to install or any other failure to perform due to causes beyond Nonnenmann's reasonable control, including, without limitation, acts of government or compliance with any governmental rules or regulations, acts of God or the public, war, civil disturbance, fire or other casualty, strike or labor dispute or unavailability of labor, raw materials, power or supplies. Should such a delay occur, Nonnenmann may reasonably extend delivery or production schedules, or, at its option, cancel the order in whole or in part without liability other than to return any unearned deposit of prepayment.



10. WARRANTY

10.1 Nonnenmann warrants that the Products manufactured by Nonnenmann and sold hereunder shall be free from defects in material or workmanship under normal use and service for the warranty period. Unless otherwise set forth in a separate warranty statement covering the Products to be provided by Nonnenmann, the warranty period shall commence on the date that the Products are delivered to Customer and shall continue for six (6) consecutive months except for the following: (a) Used/refurbished Non Products are warranted for a period of ninety (90) days from the delivery date, (b) accessories and spare parts are warranted for ninety (90) days from date of delivery, (c) Factory repairs and service exchange replacements are warranted for ninety (90) days from the date of delivery, (d) Expendable/disposable/consumable goods are warranted at time of delivery only. Nonnenmann makes no warranty for any Products made by entity other than Nonnenmann or its parents or affiliates and Customer's sole warranty therefore, if any, is the original manufacturer's warranty, which Nonnenmann agrees to pass on to Customer, as applicable.

10.2 No warranty extended by Nonnenmann shall apply to any Products: (a) which have been damaged by accident, misuse, abuse, negligence, improper application or alteration or by a force majeure occurrence as described in Section 9 hereof or by Customer's failure to operate the Products in accordance with the manufacturer's instructions or to maintain the recommended operating environment and line conditions; (b) which are defective due to unauthorized attempts to repair, relocate, maintain, service, add to or modify the Products by Customer or any third party or due to the attachment and/or use of non-Nonnenmann supplied equipment without Nonnenmann's prior written approval; (c) which failed due to causes from within non-Nonnenmann supplied equipment; and/or (d) which have been damaged from the use of operating or cleaning supplies or consumable parts not approved by Nonnenmann. Nonnenmann's obligation under this warranty is limited to the repair or replacement of or credit for, at Nonnenmann's option, defective parts. Nonnenmann may effectuate such repair at Customer's facility, and Customer shall furnish Nonnenmann safe and sufficient access for such repair. Repair or replacement may be with parts or products that are new, used or refurbished. Repairs or replacements shall not interrupt, extend or prolong the term of the warranty. Customer shall, upon Nonnenmann's request, return the non-complying Product or part to Nonnenmann pursuant to the terms of Section 8 above. Customer shall pay Nonnenmann its normal charges for service and parts for any inspection, repair or replacement that is not, in Nonnenmann's sole judgment, required by noncompliance with the warranty set forth in this Section 10. Nonnenmann's warranty does not apply to consumable materials, except as specifically stated in writing, nor to products or parts supplied by Customer.

10.3 This warranty is made on condition that immediate written notice of any noncompliance be given to Nonnenmann and Nonnenmann's inspection reveals that the Customer's claim is valid under the terms of the warranty (i.e. that the noncompliance is due to traceable defects in original materials and/or workmanship).

10.4 Warranty service will be provided without charge during Nonnenmann's regular working hours, except Nonnenmann's recognized holidays. If Customer requires that service be performed other than during these times, such service can be made available at an additional charge, at Nonnenmann's then current rates.

NONNENMANN MAKES NO WARRANTY OTHER THAN THE ONE SET FORTH HEREIN OR THAT WHICH MAY BE PROVIDED IN A SEPARATE WARRANTY COVERING THE APPLICABLE PRODUCT. SUCH WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, AND SUCH CONSTITUTES THE ONLY WARRANTY MADE WITH RESPECT TO THE PRODUCTS AND ANY DEFECT, DEFICIENCY OR NONCOMFORMITY IN ANY PRODUCT, SERVICE OR OTHER ITEM FURNISHED UNDER THIS AGREEMENT.

11. LIMITATION OF LIABILITY

11.1 In no event shall Nonnenmann's liability hereunder exceed the actual loss or damage sustained by Customer, up to the purchase price of the defective Products.

11.2 **NONNENMANN SHALL NOT BE LIABLE FOR ANY LOSS OF USE, REVENUE OR ANTICIPATED PROFITS, LOSS OF STORED, TRANSMITTED OR RECORDED DATA, OR FOR ANY INCIDENTAL, UNFORESEEN, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES ARISING OUT OF OR IN CONNECTION WITH THIS AGREEMENT OR THE SALE OR USE OF THE PRODUCTS.** This provision does not affect third party claims for personal injury arising as a result of Nonnenmann's negligence or product defect. **THE FOREGOING IS A SEPARATE, ESSENTIAL TERM OF THIS AGREEMENT AND SHALL BE EFFECTIVE UPON THE FAILURE OF ANY REMEDY, EXCLUSIVE OR NOT.**

12. ENGINEERING CHANGES

Nonnenmann makes not representation that engineering changes which may be announced in the future will be suitable for use on, or in connection with, the Products.

15. ASSIGNMENT

Customer may not assign any rights or obligations under this Agreement without the prior written consent of Nonnenmann and any attempt to do so shall be void. Nonnenmann may assign any of its rights and obligations under this Agreement without notice to or consent of Customer. This Agreement shall inure to and be binding on the parties and their respective successors, permitted assigns and legal representatives.

16. DAMAGES, COSTS AND FEES

In the event any dispute or difference is brought arising from or relating to these Terms and Conditions or the breach, termination or validity thereof, the prevailing party shall NOT be entitled to recover from the other party any punitive damages. The prevailing party shall be entitled to recover from the other party all reasonable attorneys' fees incurred, together with such other costs and expenses as may be allowed by law.

17. MODIFICATION

These Terms and Conditions may not be changes, modified or amended except in writing signed by Nonnenmann.

18. GOVERNING LAW

Any dispute relating in anyway to these Terms and Conditions shall be exclusively governed, interpreted and construed under the laws of the state of Michigan without reference to its conflicts of Law principles. Exclusive venue shall be the State and Federal Courts in Detroit Michigan.

19. INTEGRATION

These Terms and Conditions including any attachments or other documents incorporated by reference herein, constitute the entire agreement and the complete and exclusive statement of agreement with respect to the subject matter hereof, and supersede any and all prior agreements, understandings and communications between the parties with respect to the Products.

20. SEVERABILITY; HEADINGS

No provision of this Agreement which may be deemed unenforceable will in any way invalidate any other portion or provision of this Agreement. Section headings are for reference only and will have no substantive effect.

21. WAIVER

No failure and no delay in exercising, on the part of any party, any right under this Agreement will operate as a waiver thereof, nor will any single or partial exercise of any right preclude the further exercise of any other right.

22. NOTICES

Any notice or other communication pursuant to or relating to these Terms and Conditions shall be deemed properly given if given in writing and delivered in person or mailed, properly addressed and stamped with the required postage, to the intended recipient at its address specified on the face of the invoice or confirmation or purchase order to which these Terms and Conditions are attached. Either party may from time to time change such address by giving the other party notice of such change in accordance with this section.

23. RIGHTS CUMULATIVE

The rights and remedies afforded to Nonnenmann under this Agreement are in addition to, and do not in any way limit, any other rights or remedies afforded to Nonnenmann by any other agreement, by law or otherwise.

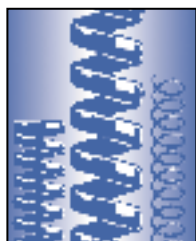
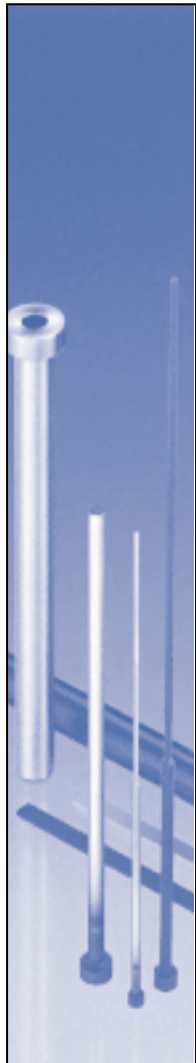
24. END USER CERTIFICATION

Customer represents, warrants and covenants that it is acquiring the Products for its own end use and not for reselling, leasing or transferring to a third party.

(10/2005)



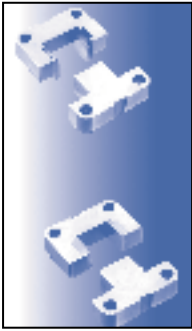
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NONNENMANN INC.

Pins INCH
SECTION



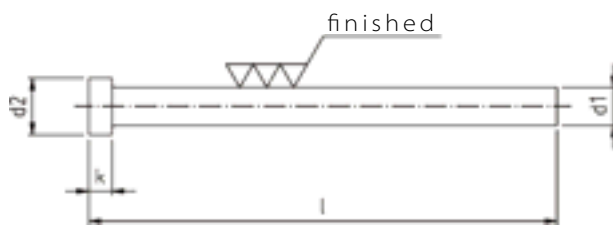


Inch-Nitrided Ejector Pins

WG 8711

d1	d2	k
+0.000/-0.001	+0.000/-0.010	+0.000/-0.002
1/8	1/4	1/8
9/64	1/4	1/8
5/32	9/32	5/32
11/64	11/32	3/16
3/16	3/8	3/16
13/64	3/8	3/16
7/32	13/32	3/16
15/64	13/32	3/16
1/4	7/16	1/4
17/64	7/16	1/4
9/32	7/16	1/4
19/64	1/2	1/4
5/16	1/2	1/4
21/64	9/16	1/4

d1	d2	k
+0.000/-0.001	+0.000/-0.010	+0.000/-0.002
11/32	9/16	1/4
23/64	5/8	1/4
3/8	5/8	1/4
13/32	11/16	1/4
7/16	11/16	1/4
15/32	3/4	1/4
1/2	3/4	1/4
9/16	13/16	1/4
5/8	7/8	1/4
11/16	15/16	1/4
3/4	1	1/4
7/8	1 1/8	1/4
1	1 1/4	1/4



■ Precision ground hotwork steel

■ Surface nitrided to 65-74 Rc

■ Core Hardness 35-40 Rc

PART NO.	OD	x	L	PRICE	PART NO.	OD	x	L	PRICE	PART NO.	OD	x	L	PRICE
AU5070	1/16	x	6	4,50	AU5025	9/32	x	25	8,10	AU5644	15/32	x	18	11,90
AU5069	3/32	x	6	4,02	AU5622	19/64	x	10	4,20	AU5645	15/32	x	25	17,75
AU5657	3/32	x	10	4,48	AU6201	19/64	x	12	4,80	AU5646	31/64	x	10	8,60
AU5000	1/8	x	6	2,25	AU5623	19/64	x	14	5,10	AU5647	31/64	x	14	11,20
AU5001	1/8	x	10	2,50	AU5624	5/16	x	6	3,40	AU5648	1/2	x	6	5,65
AU5002	1/8	x	14	2,85	AU5026	5/16	x	10	4,20	AU5037	1/2	x	10	7,60
AU5003	1/8	x	18	15,20	AU5027	5/16	x	14	5,20	AU5339	1/2	x	12	8,40
AU5004	1/8	x	25	19,50	AU5028	5/16	x	18	6,35	AU5038	1/2	x	14	9,80
AU5612	9/64	x	10	2,65	AU5029	5/16	x	25	8,60	AU5039	1/2	x	18	12,80
AU5613	9/64	x	14	3,25	AU5030	5/16	x	36	29,10	AU5067	1/2	x	20	14,40
AU5614	5/32	x	6	2,35	AU5660	5/16	x	39	47,70	AU5040	1/2	x	25	19,05
AU5005	5/32	x	10	2,60	AU5625	21/64	x	10	4,65	AU5041	1/2	x	36	46,40
AU5006	5/32	x	14	3,35	AU5626	21/64	x	14	5,75	AU5042	1/2	x	39	58,10
AU5007	5/32	x	18	4,05	AU5627	21/64	x	25	9,30	AU5650	17/32	x	6	7,40
AU5008	5/32	x	25	7,90	AU5628	11/32	x	6	3,75	AU5651	17/32	x	10	9,55
AU5658	5/32	x	36	49,20	AU5629	11/32	x	10	4,75	AU5652	17/32	x	14	12,10
AU5615	11/64	x	10	2,80	AU5630	11/32	x	14	6,00	AU5344	9/16	x	6	7,55
AU5616	11/64	x	14	3,40	AU5631	11/32	x	25	9,65	AU5043	9/16	x	10	9,25
AU5589	3/16	x	6	2,40	AU5632	23/64	x	10	5,20	AU5044	9/16	x	14	11,80
AU5009	3/16	x	10	2,75	AU5633	23/64	x	14	6,40	AU5045	9/16	x	18	15,15
AU5010	3/16	x	14	3,35	AU5661	23/64	x	18	7,35	AU5046	9/16	x	25	21,75
AU5011	3/16	x	18	4,25	AU5341	3/8	x	6	4,95	AU5602	9/16	x	36	35,50
AU5012	3/16	x	25	6,10	AU5031	3/8	x	10	5,30	AU5343	5/8	x	6	9,90
AU5013	3/16	x	39	45,85	AU5342	3/8	x	12	7,40	AU5047	5/8	x	10	10,70
AU5659	13/64	x	10	3,00	AU5032	3/8	x	14	6,45	AU5048	5/8	x	14	13,70
AU5014	13/64	x	14	3,60	AU5033	3/8	x	18	8,25	AU5049	5/8	x	18	17,60
AU5617	7/32	x	6	2,60	AU5034	3/8	x	25	11,80	AU5050	5/8	x	25	24,60
AU5618	7/32	x	10	3,00	AU5035	3/8	x	36	31,75	AU5051	5/8	x	36	44,40
AU5619	7/32	x	14	3,70	AU5036	3/8	x	39	50,35	AU5052	5/8	x	39	69,95
AU5620	7/32	x	18	4,85	AU5634	25/64	x	10	6,25	AU5654	11/16	x	6	9,15
AU5621	7/32	x	25	6,55	AU6200	25/64	x	14	8,60	AU5655	11/16	x	10	12,70
AU5346	15/64	x	10	3,45	AU5635	13/32	x	6	4,25	AU5656	11/16	x	14	17,70
AU5015	15/64	x	14	4,00	AU5636	13/32	x	10	5,85	AU5053	11/16	x	18	20,70
AU5590	1/4	x	6	2,75	AU5637	13/32	x	14	7,40	AU5054	11/16	x	25	28,80
AU5016	1/4	x	10	3,35	AU5638	13/32	x	18	9,60	AU5662	11/16	x	39	90,70
AU5017	1/4	x	14	4,10	AU5639	13/32	x	25	13,80	AU5340	3/4	x	6	14,10
AU5018	1/4	x	18	5,10	AU5640	27/64	x	10	7,15	AU5055	3/4	x	10	16,05
AU5019	1/4	x	25	7,10	AU5592	7/16	x	6	4,80	AU5056	3/4	x	14	20,63
AU5020	1/4	x	36	26,45	AU5593	7/16	x	10	6,45	AU5598	3/4	x	18	26,10
AU5021	1/4	x	39	45,60	AU5594	7/16	x	14	8,20	AU5057	3/4	x	25	35,80
AU5610	17/64	x	10	3,70	AU5595	7/16	x	18	10,65	AU5058	3/4	x	36	60,55
AU5611	17/64	x	14	4,45	AU5596	7/16	x	25	15,50	AU5059	3/4	x	39	92,50
AU5591	9/32	x	6	3,20	AU5597	7/16	x	36	35,35	AU5603	7/8	x	6	20,15
AU5022	9/32	x	10	3,80	AU5641	29/64	x	10	7,45	AU5604	7/8	x	10	22,16
AU5023	9/32	x	14	4,60	AU5642	15/32	x	10	7,05	AU5605	7/8	x	14	25,85
AU5024	9/32	x	18	5,80	AU5643	15/32	x	14	9,80	AU5606	7/8	x	18	28,43

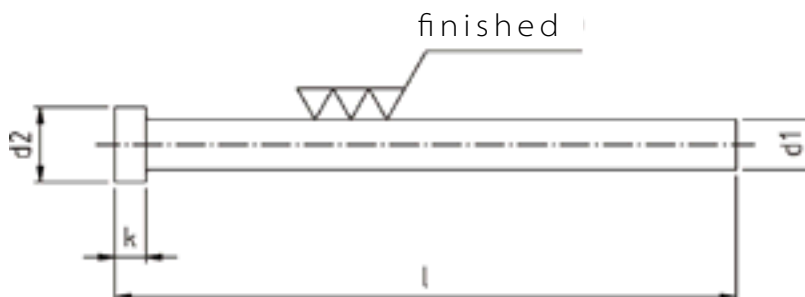


Inch-Nitrided Ejector Pins WG 8711

PART NO.	OD	x	L	PRICE
AU5607	7/8	x	25	46,36
AU5664	1	x	6	26,07
AU5060	1	x	10	33,40
AU5061	1	x	14	35,75
AU5062	1	x	18	40,15
AU5063	1	x	25	52,80
AU5064	1	x	36	84,37
AU5065	1	x	39	131,45

Inch-Core Pins Soft Hardness WG 8716

d1 +.0010/+.0005	d2 +.000/-0.010	k +.000/-0.002
1/8	1/4	1/8
9/64	1/4	1/8
5/32	9/32	5/32
11/64	11/32	3/16
3/16	3/8	3/16
13/64	3/8	3/16
7/32	13/32	3/16
17/64	7/16	1/4
9/32	7/16	1/4
19/64	1/2	1/4
5/16	1/2	1/4
21/64	9/16	1/4
3/8	5/8	1/4
13/32	11/16	1/4
7/16	11/16	1/4
15/32	3/4	1/4
1/2	3/4	1/4
9/16	13/16	1/4
5/8	7/8	1/4
11/16	15/16	1/4
3/4	1	1/4
7/8	1 1/8	1/4
1	1 1/4	1/4



■ Precision ground hotwork steel ■ Hardness 30-35 Rc

PART NO.	OD	x	L	PRICE
AU5331	3/32	x	6	3,80
AU5329	3/32	x	10	4,55
AU5330	3/32	x	14	5,40
AU5333	7/64	x	3	3,95
AU5334	7/64	x	6	4,05
AU5332	7/64	x	10	4,75
AU5337	1/8	x	3	2,40
AU5338	1/8	x	6	2,50
AU5335	1/8	x	10	3,25
AU5336	1/8	x	14	3,90
AU5253	9/64	x	3	2,45
AU5254	9/64	x	6	2,55
AU5252	9/64	x	10	3,25
AU5257	5/32	x	3	2,50
AU5258	5/32	x	6	2,60
AU5255	5/32	x	10	3,35
AU5256	5/32	x	14	3,95
AU5261	11/64	x	3	2,50
AU5262	11/64	x	6	2,60
AU5259	11/64	x	10	3,45
AU5260	11/64	x	14	4,00
AU5265	3/16	x	3	2,50
AU5266	3/16	x	6	2,60
AU5263	3/16	x	10	3,50
AU5264	3/16	x	14	4,05
AU5269	13/64	x	3	2,55
AU5270	13/64	x	6	2,65
AU5267	13/64	x	10	3,55
AU5268	13/64	x	14	4,10
AU5273	7/32	x	3	2,70
AU5274	7/32	x	6	2,80
AU5271	7/32	x	10	3,65
AU5272	7/32	x	14	4,20
AU5277	1/4	x	3	2,85
AU5278	1/4	x	6	2,95
AU5275	1/4	x	10	3,85

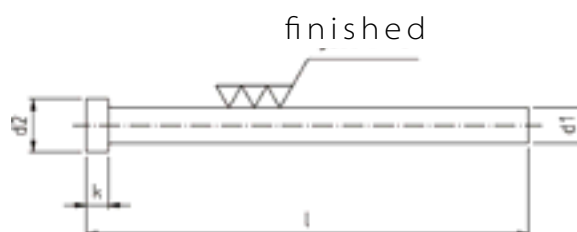
PART NO.	OD	x	L	PRICE
AU5276	1/4	x	14	4,50
AU5281	9/32	x	3	3,10
AU5282	9/32	x	6	3,20
AU5279	9/32	x	10	4,20
AU5280	9/32	x	14	4,90
AU5285	5/16	x	3	3,45
AU5286	5/16	x	6	3,55
AU5283	5/16	x	10	4,65
AU5284	5/16	x	14	5,35
AU5289	11/32	x	3	3,70
AU5290	11/32	x	6	3,80
AU5287	11/32	x	10	4,95
AU5288	11/32	x	14	5,70
AU5293	3/8	x	3	4,10
AU5294	3/8	x	6	4,20
AU5291	3/8	x	10	5,60
AU5292	3/8	x	14	6,30
AU5297	13/32	x	3	4,45
AU5298	13/32	x	6	4,55
AU5295	13/32	x	10	6,00
AU5296	13/32	x	14	6,80
AU5301	7/16	x	3	4,50
AU5302	7/16	x	6	4,80
AU5299	7/16	x	10	6,55
AU5300	7/16	x	14	7,30
AU5305	15/32	x	3	5,35
AU5306	15/32	x	6	5,45
AU5303	15/32	x	10	7,10
AU5304	15/32	x	14	7,90
AU5309	1/2	x	3	5,75
AU5310	1/2	x	6	5,85
AU5307	1/2	x	10	7,70
AU5308	1/2	x	14	8,45
AU5313	9/16	x	3	6,70
AU5314	9/16	x	6	6,80
AU5311	9/16	x	10	9,05

PART NO.	OD	x	L	PRICE
AU5312	9/16	x	14	10,10
AU5317	5/8	x	3	8,05
AU5318	5/8	x	6	8,15
AU5315	5/8	x	10	10,60
AU5316	5/8	x	14	11,80
AU5321	3/4	x	3	12,50
AU5322	3/4	x	6	12,70
AU5319	3/4	x	10	16,60
AU5320	3/4	x	14	18,70
AU5325	7/8	x	6	21,80
AU5323	7/8	x	10	27,95
AU5324	7/8	x	14	30,36
AU5328	1	x	6	24,45
AU5326	1	x	10	31,85
AU5327	1	x	14	38,50

Inch-Core Pins High Hardness WG 8717

d1	d2	k
+0.010/+0.005	+0.000/-0.010	+0.000/-0.002
1/8	1/4	1/8
9/64	1/4	1/8
5/32	9/32	5/32
11/64	11/32	3/16
3/16	3/8	3/16
13/64	3/8	3/16
7/32	13/32	3/16
17/64	7/16	1/4
9/32	7/16	1/4
19/64	1/2	1/4
5/16	1/2	1/4
21/64	9/16	1/4

d1	d2	k
+0.010/+0.005	+0.000/-0.010	+0.000/-0.002
3/8	5/8	1/4
13/32	11/16	1/4
7/16	11/16	1/4
15/32	3/4	1/4
1/2	3/4	1/4
9/16	13/16	1/4
5/8	7/8	1/4
11/16	15/16	1/4
3/4	1	1/4
7/8	1 1/8	1/4
1	1 1/4	1/4



■ Precision ground hotwork steel ■ Hardness 50-55 Rc

PART NO.	OD	x	L	PRICE	PART NO.	OD	x	L	PRICE	PART NO.	OD	x	L	PRICE
AU5746	3/32	x	3	4,05	AU5697	9/32	x	3	3,45	AU5735	3/4	x	10	18.46
AU5747	3/32	x	6	4,15	AU5698	9/32	x	6	3,55	AU5736	3/4	x	14	20.18
AU5745	3/32	x	10	4,90	AU5695	9/32	x	10	4,55	AU5741	7/8	x	6	22.40
AU5749	7/64	x	3	4,30	AU5696	9/32	x	14	5,05	AU5739	7/8	x	10	29.90
AU5750	7/64	x	6	4,45	AU5701	5/16	x	3	3,75	AU5740	7/8	x	14	32.30
AU5748	7/64	x	10	5,10	AU5702	5/16	x	6	3,85	AU5744	1	x	6	26.05
AU5753	1/8	x	3	2,60	AU5888	5/16	x	8	4,45	AU5742	1	x	10	34.20
AU5754	1/8	x	6	2,70	AU5699	5/16	x	10	5,00	AU5743	1	x	14	36.80
AU5884	1/8	x	8	3,10	AU5700	5/16	x	14	5,75					
AU5751	1/8	x	10	3,45	AU5705	11/32	x	3	4,05					
AU5752	1/8	x	14	4,05	AU5706	11/32	x	6	4,15					
AU5668	9/64	x	3	2,75	AU5703	11/32	x	10	5,65					
AU5669	9/64	x	6	2,85	AU5704	11/32	x	14	6,15					
AU5666	9/64	x	10	3,45	AU5709	3/8	x	3	4,50					
AU5667	9/64	x	14	4,05	AU5710	3/8	x	6	4,60					
AU5672	5/32	x	3	2,75	AU5889	3/8	x	8	5,35					
AU5673	5/32	x	6	2,85	AU5707	3/8	x	10	6,10					
AU5885	5/32	x	8	3,15	AU5708	3/8	x	14	6,65					
AU5670	5/32	x	10	3,45	AU5879	3/8	x	18	11,70					
AU5671	5/32	x	14	4,10	AU5713	13/32	x	3	4,85					
AU5676	11/64	x	3	2,80	AU5714	13/32	x	6	4,95					
AU5677	11/64	x	6	2,90	AU5711	13/32	x	10	6,55					
AU5674	11/64	x	10	3,65	AU5712	13/32	x	14	7,15					
AU5675	11/64	x	14	4,20	AU5717	7/16	x	3	5,40					
AU5680	3/16	x	3	2,80	AU5718	7/16	x	6	5,55					
AU5681	3/16	x	6	2,90	AU5715	7/16	x	10	7,20					
AU5886	3/16	x	8	3,30	AU5716	7/16	x	14	7,60					
AU5678	3/16	x	10	3,65	AU5721	15/32	x	3	5,85					
AU5679	3/16	x	14	4,25	AU5722	15/32	x	6	5,95					
AU5684	13/64	x	3	2,85	AU5719	15/32	x	10	7,90					
AU5685	13/64	x	6	2,95	AU5720	15/32	x	14	8,40					
AU5682	13/64	x	10	3,80	AU5725	1/2	x	3	6,25					
AU5683	13/64	x	14	4,35	AU5726	1/2	x	6	6,35					
AU5688	7/32	x	3	2,90	AU5723	1/2	x	10	8,60					
AU5689	7/32	x	6	3,00	AU5890	1/2	x	12	8,90					
AU5686	7/32	x	10	3,80	AU5724	1/2	x	14	9,20					
AU5687	7/32	x	14	4,35	AU5729	9/16	x	3	7,30					
AU5882	7/32	x	18	4,95	AU5730	9/16	x	6	7,40					
AU5690	15/64	x	3	3,05	AU5727	9/16	x	10	9,90					
AU5693	1/4	x	3	3,15	AU5728	9/16	x	14	10,55					
AU5694	1/4	x	6	3,25	AU5733	5/8	x	3	8,60					
AU5887	1/4	x	8	3,70	AU5734	5/8	x	6	8,70					
AU5691	1/4	x	10	4,10	AU5731	5/8	x	10	11,75					
AU5692	1/4	x	14	4,55	AU5732	5/8	x	14	12,35					
AU5891	1/4	x	16	7,80	AU5737	3/4	x	3	13,60					
AU5892	1/4	x	18	8,90	AU5738	3/4	x	6	13,75					

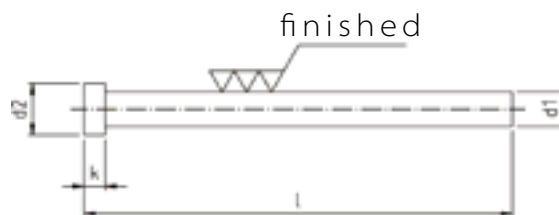


Inch-Hardened Ejector Pins

WG 8721

d1	d2	k
+0.000/-0.003	+0.000/-0.010	+0.000/-0.002
1/32	1/8	1/8
3/64	5/32	1/8
1/16	3/16	1/8
5/64	13/64	1/8
3/32	7/32	1/8
7/64	15/64	1/8
1/8	1/4	1/8
9/64	1/4	1/8
5/32	9/32	5/32
11/64	11/32	3/16
3/16	3/8	3/16
13/64	3/8	3/16
7/32	13/32	3/16
15/64	13/32	3/16
1/4	7/16	1/4
17/64	7/16	1/4
9/32	7/16	1/4

d1	d2	k
+0.000/-0.003	+0.000/-0.010	+0.000/-0.002
19/64	1/2	1/4
5/16	1/2	1/4
21/64	9/16	1/4
11/32	9/16	1/4
23/64	5/8	1/4
3/8	5/8	1/4
13/32	11/16	1/4
7/16	11/16	1/4
15/32	3/4	1/4
1/2	3/4	1/4
9/16	13/16	1/4
5/8	7/8	1/4
11/16	15/16	1/4
3/4	1	1/4
7/8	1 1/8	1/4
1	1 1/4	1/4



■ Premium hotwork steel ■ Hardened 65-70 Rc ■ Core Hardness 50-52 Rc

PART NO.	OD	x	L	PRICE	PART NO.	OD	x	L	PRICE	PART NO.	OD	x	L	PRICE
AU5185	1/32	x	4	7,90	AU5096	13/64	x	4	2,65	AU5134	21/64	x	14	5,65
AU5197	1/32	x	6	8,00	AU5097	13/64	x	6	2,75	AU5139	11/32	x	4	3,60
AU5216	3/64	x	4	4,55	AU5094	13/64	x	10	2,90	AU5140	11/32	x	6	3,65
AU5231	1/16	x	4	4,38	AU5095	13/64	x	14	3,50	AU5137	11/32	x	10	4,60
AU5232	1/16	x	6	4,55	AU5101	7/32	x	4	2,45	AU5138	11/32	x	14	5,85
AU5233	1/16	x	8	4,75	AU5102	7/32	x	6	2,50	AU5143	23/64	x	4	4,55
AU5230	1/16	x	10	5,05	AU5103	7/32	x	8	2,85	AU5144	23/64	x	6	4,70
AU5235	5/64	x	4	4,25	AU5098	7/32	x	10	2,90	AU5141	23/64	x	10	5,05
AU5236	5/64	x	6	4,30	AU5099	7/32	x	12	3,40	AU5142	23/64	x	14	6,30
AU5237	5/64	x	8	4,75	AU5100	7/32	x	14	3,80	AU5148	3/8	x	4	3,80
AU5234	5/64	x	10	5,05	AU5106	15/64	x	4	3,00	AU5149	3/8	x	6	3,90
AU5239	3/32	x	4	3,80	AU5107	15/64	x	6	3,05	AU5150	3/8	x	8	5,05
AU5240	3/32	x	6	3,90	AU5104	15/64	x	10	3,20	AU5145	3/8	x	10	5,15
AU5241	3/32	x	8	4,30	AU5105	15/64	x	14	3,95	AU5146	3/8	x	12	6,10
AU5238	3/32	x	10	4,35	AU5111	1/4	x	4	2,60	AU5147	3/8	x	14	6,35
AU5243	7/64	x	4	3,80	AU5112	1/4	x	6	2,65	AU5153	25/64	x	4	5,55
AU5244	7/64	x	6	3,90	AU5113	1/4	x	8	3,15	AU5154	25/64	x	6	5,70
AU5245	7/64	x	8	4,30	AU5108	1/4	x	10	3,20	AU5151	25/64	x	10	6,25
AU5242	7/64	x	10	4,35	AU5109	1/4	x	12	3,75	AU5152	25/64	x	14	8,15
AU5249	1/8	x	4	2,05	AU5110	1/4	x	14	3,95	AU5157	13/32	x	4	4,15
AU5250	1/8	x	6	2,10	AU5116	17/64	x	4	3,40	AU5158	13/32	x	6	4,25
AU5251	1/8	x	8	2,35	AU5117	17/64	x	6	3,50	AU5155	13/32	x	10	5,65
AU5246	1/8	x	10	2,40	AU5114	17/64	x	10	3,60	AU5156	13/32	x	14	7,30
AU5247	1/8	x	12	2,65	AU5115	17/64	x	14	4,30	AU5161	27/64	x	4	5,40
AU5248	1/8	x	14	2,70	AU5120	9/32	x	4	2,90	AU5162	27/64	x	6	5,60
AU5075	9/64	x	14	3,25	AU5121	9/32	x	6	2,95	AU5159	27/64	x	10	7,15
AU5081	5/32	x	4	2,15	AU5122	9/32	x	8	3,65	AU5160	27/64	x	14	9,00
AU5082	5/32	x	6	2,25	AU5118	9/32	x	10	3,70	AU5165	7/16	x	4	4,60
AU5083	5/32	x	8	2,45	AU5119	9/32	x	14	4,50	AU5166	7/16	x	6	4,65
AU5078	5/32	x	10	2,65	AU5125	19/64	x	4	3,80	AU5163	7/16	x	10	6,25
AU5079	5/32	x	12	2,85	AU5126	19/64	x	6	3,90	AU5164	7/16	x	14	8,05
AU5080	5/32	x	14	3,00	AU5123	19/64	x	10	4,05	AU5169	29/64	x	4	5,90
AU5086	11/64	x	4	2,45	AU5124	19/64	x	14	5,00	AU5170	29/64	x	6	6,05
AU5087	11/64	x	6	2,50	AU5130	5/16	x	4	3,15	AU5167	29/64	x	10	7,45
AU5084	11/64	x	10	2,70	AU5131	5/16	x	6	3,25	AU5168	29/64	x	14	10,35
AU5085	11/64	x	14	3,25	AU5132	5/16	x	8	4,00	AU5173	15/32	x	4	5,30
AU5091	3/16	x	4	2,25	AU5127	5/16	x	10	4,05	AU5174	15/32	x	6	5,40
AU5092	3/16	x	6	2,40	AU5128	5/16	x	12	4,85	AU5171	15/32	x	10	6,85
AU5093	3/16	x	8	2,60	AU5129	5/16	x	14	5,05	AU5172	15/32	x	14	9,80
AU5088	3/16	x	10	2,65	AU5135	21/64	x	4	4,05	AU5177	31/64	x	4	6,40
AU5089	3/16	x	12	3,15	AU5136	21/64	x	6	4,25	AU5178	31/64	x	6	6,55
AU5090	3/16	x	14	3,35	AU5133	21/64	x	10	4,50	AU5175	31/64	x	10	8,60



Inch-Hardened Ejector Pins

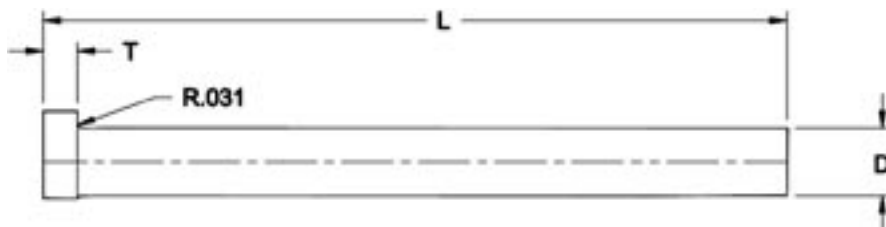
WG 8721

PART NO.	OD	x	L	PRICE
AU5176	31/64	x	14	11,20
AU5182	1/2	x	4	5,30
AU5183	1/2	x	6	5,45
AU5184	1/2	x	8	7,30
AU5179	1/2	x	10	7,35
AU5180	1/2	x	12	9,05
AU5181	1/2	x	14	9,65
AU5189	17/32	x	4	7,25
AU5190	17/32	x	6	7,40
AU5186	17/32	x	10	9,55
AU5187	17/32	x	12	11,85
AU5188	17/32	x	14	12,10
AU5194	9/16	x	4	6,25
AU5195	9/16	x	6	6,35
AU5196	9/16	x	8	8,90
AU5191	9/16	x	10	8,95
AU5192	9/16	x	12	11,10
AU5193	9/16	x	14	11,65
AU5201	5/8	x	4	7,50
AU5202	5/8	x	6	7,60
AU5203	5/8	x	8	10,35
AU5198	5/8	x	10	10,40
AU5199	5/8	x	12	13,30
AU5200	5/8	x	14	13,50
AU5207	11/16	x	4	8,95
AU5208	11/16	x	6	9,15
AU5209	11/16	x	8	12,20
AU5204	11/16	x	10	12,35
AU5205	11/16	x	12	15,75
AU5206	11/16	x	14	17,70
AU5213	3/4	x	4	11,33
AU5214	3/4	x	6	11,55
AU5215	3/4	x	8	15,20
AU5210	3/4	x	10	15,50
AU5211	3/4	x	12	19,80
AU5212	3/4	x	14	20,20
AU5220	7/8	x	4	14,00
AU5221	7/8	x	6	15,13
AU5222	7/8	x	8	21,23
AU5217	7/8	x	10	21,50
AU5218	7/8	x	12	27,40
AU5219	7/8	x	14	29,05
AU5227	1	x	4	17,80
AU5228	1	x	6	18,20
AU5229	1	x	8	29,02
AU5224	1	x	10	25,40
AU5225	1	x	12	32,34
AU5226	1	x	14	37,95

Inch-Hardened Keyed Pins

WG 8733

Pins Diameter	Head Diameter	Head Thickness	Step
D +.000/-.001	H +.000/-.010	T +.000/-.002	+/- .002
1/8	1/4	1/8	.006
5/32	9/32	5/32	.006
3/16	3/8	3/16	.006
1/4	7/16	3/16	.006
5/16	1/2	1/4	.006
3/8	5/8	1/4	.006
1/2	3/4	1/4	.006
5/8	7/8	1/4	.006
3/4	1	1/4	.006
1	1 1/4	1/4	.006



■ Precision Ground Hotwork Steel

■ Surface Hardened 65-74 Rc

■ Core Hardness 35-40 Rc

PART NO.	OD	x	L	PRICE
AU6224	1/8	X	6	2,44
AU6225	1/8	X	10	2,96
AU6226	1/8	X	14	3,44
AU6227	9/64	X	6	2,44
AU6228	9/64	X	10	2,96
AU6229	9/64	X	14	3,44
AU6230	5/32	X	6	2,52
AU6231	5/32	X	10	3,04
AU6232	5/32	X	14	3,68
AU6233	3/16	X	6	2,72
AU6234	3/16	X	10	3,24
AU6235	3/16	X	14	3,88
AU6236	7/32	X	6	2,84
AU6237	7/32	X	10	3,44
AU6238	7/32	X	14	4,16
AU6239	1/4	X	6	3,24
AU6240	1/4	X	10	3,96
AU6241	1/4	X	14	4,90
AU6242	5/16	X	6	3,45
AU6243	5/16	X	10	4,10
AU6244	5/16	X	14	5,10
AU6245	11/32	X	6	3,88
AU6246	11/32	X	10	4,80
AU6247	11/32	X	14	6,10
AU6248	3/8	X	6	3,88
AU6249	3/8	X	10	4,80
AU6250	3/8	X	14	6,10
AU6251	13/32	X	6	4,50
AU6252	13/32	X	10	6,10
AU6253	13/32	X	14	7,75
AU6254	7/16	X	6	4,50
AU6255	7/16	X	10	6,10
AU6256	7/16	X	14	7,75
AU6257	1/2	X	6	6,00
AU6258	1/2	X	10	8,10
AU6259	1/2	X	14	9,90



Inch-Nitrided Keyed Pins WG 8712

Pins Diameter	Head Diameter	Head Thickness	Step
D +.000/-.001	H +.000/-.010	T +.000/-.002	+/- .002
1/8	1/4	1/8	.006
5/32	9/32	5/32	.006
3/16	3/8	3/16	.006
1/4	7/16	3/16	.006
5/16	1/2	1/4	.006
3/8	5/8	1/4	.006
1/2	3/4	1/4	.006
5/8	7/8	1/4	.006
3/4	1	1/4	.006
1	1 1/4	1/4	.006



■ Premium Hotwork Steel

■ Surface Nitrided 65-70 Rc

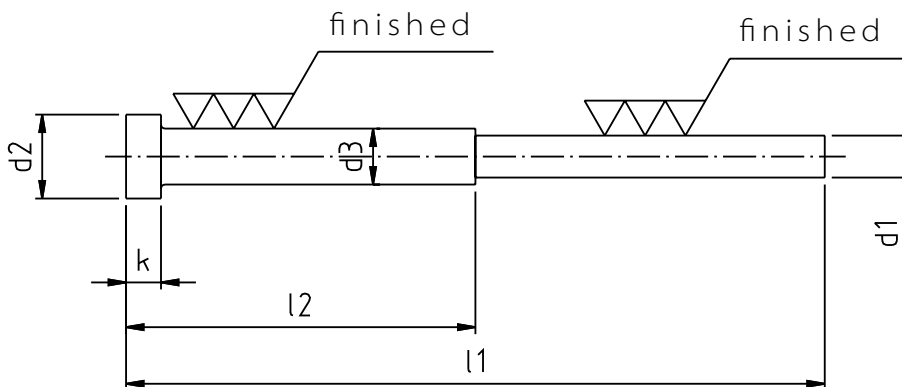
■ Core Hardness 50-52 Rc

PART NO.	OD	x	L	PRICE
AU6203	1/8	X	6	3,60
AU6204	1/8	X	10	4,40
AU6205	1/8	X	14	5,40
AU6206	5/32	X	6	3,60
AU6207	5/32	X	10	4,60
AU6208	5/32	X	14	5,80
AU6209	3/16	X	6	4,00
AU6210	3/16	X	10	5,00
AU6211	3/16	X	14	6,20
AU6212	1/4	X	6	5,00
AU6213	1/4	X	10	6,40
AU6214	1/4	X	14	8,40
AU6215	5/16	X	6	5,40
AU6216	5/16	X	10	6,80
AU6217	5/16	X	14	8,60
AU6218	3/8	X	6	6,20
AU6219	3/8	X	10	8,00
AU6220	3/8	X	14	10,60
AU6221	1/2	X	6	10,40
AU6222	1/2	X	10	14,40
AU6223	1/2	X	14	18,40

Inch-Hardened Step Ejector Pins

WG 8732

d1	d3	L2	d2	k
+0.000/-0.0003	+0.000/-0.001	+0.010/-0.010	+0.000/-0.010	+0.000/-0.002
1/32	1/8		1/8	1/8
3/64	1/8		5/32	1/8
1/16	1/8		3/16	1/8
5/64	1/8		13/64	1/8
3/32	1/8		7/32	1/8
7/64	1/8		15/64	1/8
1/8	1/8		1/4	1/8
9/64	1/8		1/4	1/8
5/32	1/8		9/32	5/32
11/64	1/8		11/32	3/16
3/16	1/8		3/8	3/16
13/64	1/8		3/8	3/16
7/32	1/8		13/32	3/16
15/64	1/8		13/32	3/16
1/4	1/8		7/16	1/4
17/64	1/8		7/16	1/4
9/32	1/8		7/16	1/4
19/64	1/8		1/2	1/4
5/16	1/8		1/2	1/4
21/64	1/8		9/16	1/4
11/32	1/8		9/16	1/4
23/64	1/8		5/8	1/4
3/8	1/8		5/8	1/4
13/32	1/8		11/16	1/4
7/16	1/8		11/16	1/4
15/32	1/8		3/4	1/4
1/2	1/8		3/4	1/4
9/16	1/8		13/16	1/4
5/8	1/8		7/8	1/4
11/16	1/8		15/16	1/4
3/4	1/8		1	1/4
7/8	1/8		1 1/8	1/4
1	1/8		1 1/4	1/4



■ Premium Hotwork Steel

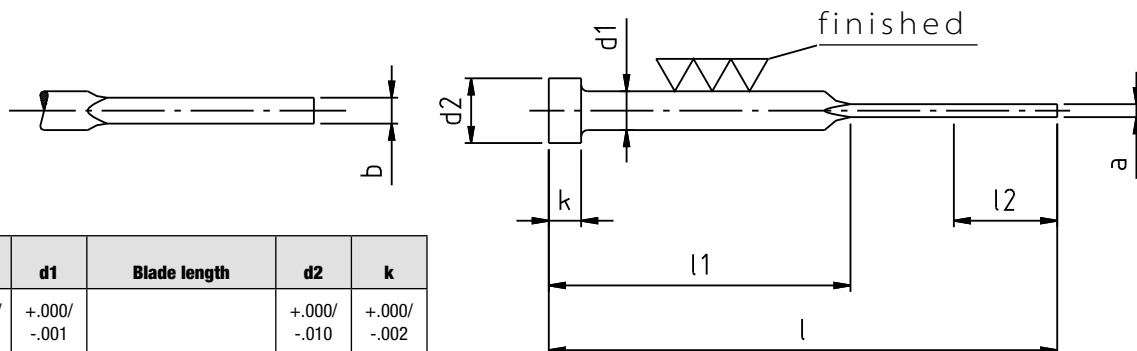
■ Surface Hardened 65-70 Rc

■ Core Hardness 50-52 Rc

Part No.	ID	x	L1	x	L2	Price
AU5952	1/32	x	6	x	2	7,70
AU5953	1/32	x	8	x	2	8,45
AU5954	1/32	x	8	x	3	9,65
AU5955	1/32	x	8	x	4	9,65
AU5950	1/32	x	4	x	1/2	7,55
AU5951	1/32	x	6	x	2	7,80
AU5990	3/32	x	6	x	2	3,65
AU5991	3/32	x	8	x	3	4,10
AU5992	3/32	x	8	x	4	4,60
AU5993	3/32	x	8	x	2	4,60
AU5985	3/32	x	10	x	4	4,60
AU5986	3/32	x	10	x	2	5,05
AU5987	3/32	x	14	x	1/2	6,15
AU5984	3/32	x	10	x	1/2	4,85
AU5988	3/32	x	4	x	1/2	3,75
AU5989	3/32	x	6	x	1/2	3,85
AU5960	3/64	x	6	x	2	4,30
AU5961	3/64	x	8	x	2	4,95
AU5962	3/64	x	8	x	3	5,40
AU5963	3/64	x	8	x	4	5,40
AU5956	3/64	x	10	x	2	5,10
AU5957	3/64	x	10	x	4	6,05
AU5958	3/64	x	4	x	1/2	4,50
AU5959	3/64	x	6	x	1/2	4,55
AU5980	5/64	x	6	x	2	4,10
AU5981	5/64	x	8	x	2	4,60
AU5982	5/64	x	8	x	3	5,05
AU5983	5/64	x	8	x	4	5,05

Part No.	ID	x	L1	x	L2	Price
AU5975	5/64	x	10	x	2	4,80
AU5976	5/64	x	10	x	4	5,65
AU5977	5/64	x	14	x	2	6,55
AU5974	5/64	x	10	x	1/2	5,20
AU5978	5/64	x	4	x	1/2	4,15
AU5979	5/64	x	6	x	1/2	4,20
AU6000	7/64	x	6	x	2	3,65
AU6001	7/64	x	8	x	2	4,10
AU6002	7/64	x	8	x	3	4,60
AU6003	7/64	x	8	x	4	4,60
AU5995	7/64	x	10	x	2	4,30
AU5996	7/64	x	10	x	4	5,05
AU5997	7/64	x	14	x	2	6,15
AU5994	7/64	x	10	x	1/2	4,85
AU5998	7/64	x	4	x	1/2	3,75
AU5999	7/64	x	6	x	1/2	3,85
AU5970	1/16	x	6	x	2	4,10
AU5971	1/16	x	8	x	2	4,60
AU5972	1/16	x	8	x	3	5,05
AU5973	1/16	x	8	x	4	5,05
AU5965	1/16	x	10	x	2	4,80
AU5966	1/16	x	10	x	4	5,65
AU5967	1/16	x	14	x	2	6,55
AU5964	1/16	x	10	x	1/2	5,20
AU5968	1/16	x	4	x	1/2	4,25
AU5969	1/16	x	6	x	1/2	4,20

Inch-Hardened Flat Ejector Pins WG 8761



■ Premium Hotwork Steel ■ Hardened 55-60 Rc

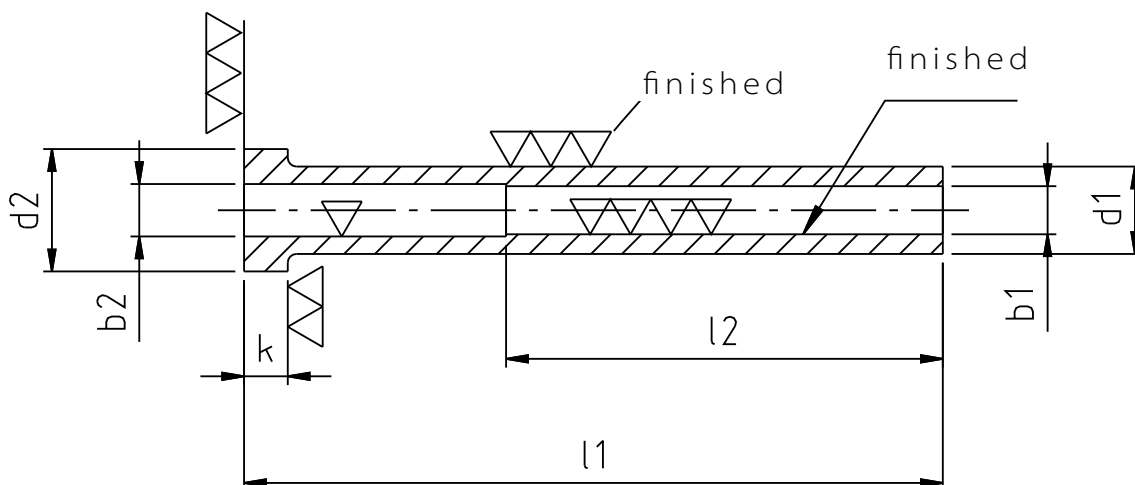
Part No.	a	x	b	x	L2	x	L	Price
AU5942	.024		.100		4-3/8		6-3/8	27,15
AU5943	.032		.100		3		5	25,65
AU5944	.032		.100		3		6	26,15
AU5945	.032		.100		4-3/8		6-3/8	27,15
AU5946	.032		.100		4-3/8		7-3/8	27,15
AU5947	.046		.100		3		6	26,15
AU5948	.046		.100		4-3/8		6-3/8	27,15
AU5949	.046		.100		4-3/8		7-3/8	27,15
AU5538	.024		.140		4-3/8		6-3/8	27,15
AU5539	.032		.140		3		6	26,15
AU5540	.032		.140		3		8	27,25
AU5541	.032		.140		4-3/8		6-3/8	27,15
AU5542	.032		.140		4-3/8		7-3/8	27,15
AU5543	.032		.140		4-3/8		8-3/8	28,25
AU5544	.046		.140		3		6	26,15
AU5545	.046		.140		3		8	27,25
AU5546	.046		.140		4-3/8		6-3/8	27,15
AU5547	.046		.140		4-3/8		7-3/8	27,15
AU5548	.046		.140		4-3/8		8-3/8	28,25
AU5549	.024		.172		4-3/8		6-3/8	33,50
AU5550	.032		.172		3		6	32,50
AU5551	.032		.172		3		8	33,60
AU5552	.032		.172		4-3/8		6-3/8	33,50
AU5553	.032		.172		4-3/8		7-3/8	33,50
AU5554	.032		.172		4-3/8		8-3/8	34,40
AU5555	.046		.172		3		6	32,50
AU5556	.046		.172		3		8	33,60
AU5557	.046		.172		4-3/8		6-3/8	33,50
AU5558	.046		.172		4-3/8		7-3/8	33,50
AU5559	.046		.172		4-3/8		8-3/8	34,40
AU5560	.062		.172		3		6	32,50
AU5561	.062		.172		3		8	33,60
AU5562	.062		.172		4-3/8		6-3/8	33,50
AU5563	.062		.172		4-3/8		7-3/8	33,50
AU5564	.062		.172		4-3/8		8-3/8	34,40
AU5565	.032		.234		3		5	33,20

Part No.	a	x	b	x	L2	x	L	Price
AU5566	.032		.234		3		6	35,60
AU5567	.032		.234		3		8	36,15
AU5568	.032		.234		4-3/8		10-3/8	39,75
AU5569	.032		.234		4-3/8		6-3/8	36,60
AU5570	.032		.234		4-3/8		7-3/8	36,60
AU5571	.032		.234		4-3/8		8-3/8	37,60
AU5572	.032		.234		4-3/8		9-3/8	38,70
AU5573	.046		.234		3		5	33,20
AU5574	.046		.234		3		6	35,60
AU5575	.046		.234		3		8	36,15
AU5576	.046		.234		4-3/8		10-3/8	39,75
AU5577	.046		.234		4-3/8		6-3/8	36,60
AU5578	.046		.234		4-3/8		7-3/8	36,60
AU5579	.046		.234		4-3/8		8-3/8	37,60
AU5580	.046		.234		4-3/8		9-3/8	38,70
AU5581	.062		.234		3		5	33,20
AU5582	.062		.234		3		6	35,60
AU5583	.062		.234		3		8	36,15
AU5584	.062		.234		4-3/8		10-3/8	39,75
AU5585	.062		.234		4-3/8		6-3/8	36,60
AU5586	.062		.234		4-3/8		7-3/8	36,60
AU5587	.062		.234		4-3/8		8-3/8	37,60
AU5588	.062		.234		4-3/8		9-3/8	38,45
AU5896	.032		.296		4-3/8		10-3/8	47,00
AU5897	.032		.296		4-3/8		6-3/8	41,85
AU5898	.032		.296		4-3/8		7-3/8	43,90
AU5899	.032		.296		4-3/8		8-3/8	44,70
AU5900	.032		.296		4-3/8		9-3/8	45,80
AU5901	.046		.296		4-3/8		10-3/8	45,80
AU5902	.046		.296		4-3/8		6-3/8	40,75
AU5903	.046		.296		4-3/8		7-3/8	42,80
AU5904	.046		.296		4-3/8		8-3/8	43,60
AU5905	.046		.296		4-3/8		9-3/8	44,70
AU5906	.062		.296		4-3/8		10-3/8	45,80
AU5907	.062		.296		4-3/8		6-3/8	39,65
AU5908	.062		.296		4-3/8		7-3/8	41,70

Part No.	a	x	b	x	L2	x	L	Price
AU5909	.062		.296		4-3/8		8-3/8	43,25
AU5910	.062		.296		4-3/8		9-3/8	44,35
AU5911	.078		.296		4-3/8		10-3/8	45,20
AU5912	.078		.296		4-3/8		6-3/8	38,70
AU5913	.078		.296		4-3/8		7-3/8	40,85
AU5914	.078		.296		4-3/8		8-3/8	42,65
AU5915	.078		.296		4-3/8		9-3/8	44,10
AU5916	.032		.359		4-3/8		10-3/8	51,25
AU5917	.032		.359		4-3/8		6-3/8	47,30
AU5918	.032		.359		4-3/8		7-3/8	48,60
AU5919	.032		.359		4-3/8		8-3/8	49,60
AU5920	.032		.359		4-3/8		9-3/8	50,20
AU5921	.046		.359		4-3/8		10-3/8	50,10
AU5922	.046		.359		4-3/8		6-3/8	46,45
AU5923	.046		.359		4-3/8		7-3/8	47,75
AU5924	.046		.359		4-3/8		8-3/8	48,50
AU5925	.046		.359		4-3/8		9-3/8	49,00
AU5926	.062		.359		4-3/8		10-3/8	49,50
AU5927	.062		.359		4-3/8		6-3/8	45,95
AU5928	.062		.359		4-3/8		7-3/8	47,75
AU5929	.062		.359		4-3/8		8-3/8	48,20
AU5930	.062		.359		4-3/8		9-3/8	48,40
AU5931	.078		.359		4-3/8		10-3/8	49,05
AU5932	.078		.359		4-3/8		6-3/8	45,35
AU5933	.078		.359		4-3/8		7-3/8	46,65
AU5934	.078		.359		4-3/8		8-3/8	47,35
AU5935	.078		.359		4-3/8		9-3/8	47,95
AU5936	.062		.484		5-3/8		10-3/8	72,45
AU5937	.062		.484		5-3/8		8-3/8	70,30
AU5938	.062		.484		5-3/8		9-3/8	71,40
AU5939	.078		.484		5-3/8		10-3/8	72,45
AU5940	.078		.484		5-3/8		8-3/8	70,30
AU5941	.078		.484		5-3/8		9-3/8	71,40

Inch-Nitrided Ejector Sleeves

WG 8781



b1	d1	b2	l2	d2	k
+0.005/ -0.000	+0.000/ -0.001	(=b1+1/64)	+0.032/ -0.000	+0.000/ -0.010	+0.000/ -0.002
3/32	3/16		1 3/4	3/8	3/16
1/8	7/32		1 3/4	13/32	3/16
5/32	1/4		2 1/4	7/16	3/16
3/16	5/16		2 1/4	1/2	1/4
7/32	11/2		2 1/4	9/16	1/4
1/4	3/8		2 1/4	5/8	1/4
5/16	7/16		2 1/4	11/16	1/4
3/8	1/2		2 1/4	3/4	1/4
7/16	5/8		2 1/4	7/8	1/4
1/2	11/16		2 1/4	15/16	1/4
9/16	3/4		2 1/4	1	1/4
5/8	7/8		2 1/4	1 1/8	1/4
3/4	1		2 1/4	1 1/4	1/4

Premium Ground Hotwork Steel

Surface Nitrided 65-74 Rc

Part No.	ID	x	OD	x	L	Price	Part No.	ID	x	OD	x	L	Price	Part No.	ID	x	OD	x	L	Price
AU5499	1/2	x	11/16	x	4	27,15	AU5412	1/8	x	7/32	x	5	31,30	AU5473	3/8	x	1/2	x	11	51,50
AU5500	1/2	x	11/16	x	5	31,85	AU5413	1/8	x	7/32	x	6	34,30	AU5474	3/8	x	1/2	x	12	57,05
AU5501	1/2	x	11/16	x	6	37,60	AU5414	1/8	x	7/32	x	7	37,40	AU5475	3/8	x	1/2	x	13	99,00
AU5502	1/2	x	11/16	x	7	41,35	AU5415	1/8	x	7/32	x	8	47,85	AU5476	3/8	x	1/2	x	14	102,50
AU5503	1/2	x	11/16	x	8	45,55	AU5416	1/8	x	7/32	x	9	88,95	AU5433	3/16	x	5/16	x	4	22,45
AU5504	1/2	x	11/16	x	9	50,20	AU5409	1/8	x	7/32	x	10	102,75	AU5434	3/16	x	5/16	x	5	23,85
AU5494	1/2	x	11/16	x	10	55,25	AU5532	3/4	x	1	x	4	42,65	AU5435	3/16	x	5/16	x	6	25,75
AU5495	1/2	x	11/16	x	11	60,75	AU5533	3/4	x	1	x	5	46,45	AU5436	3/16	x	5/16	x	7	28,15
AU5496	1/2	x	11/16	x	12	66,65	AU5534	3/4	x	1	x	6	50,60	AU5437	3/16	x	5/16	x	8	31,05
AU5497	1/2	x	11/16	x	13	122,65	AU5535	3/4	x	1	x	7	55,10	AU5438	3/16	x	5/16	x	9	34,40
AU5498	1/2	x	11/16	x	14	127,10	AU5536	3/4	x	1	x	8	60,00	AU5428	3/16	x	5/16	x	10	38,15
AU5455	1/4	x	3/8	x	4	23,10	AU5537	3/4	x	1	x	9	65,25	AU5429	3/16	x	5/16	x	11	42,50
AU5456	1/4	x	3/8	x	5	24,70	AU5527	3/4	x	1	x	10	70,80	AU5430	3/16	x	5/16	x	12	47,30
AU5457	1/4	x	3/8	x	6	26,90	AU5528	3/4	x	1	x	11	76,75	AU5431	3/16	x	5/16	x	13	89,35
AU5458	1/4	x	3/8	x	7	29,60	AU5529	3/4	x	1	x	12	83,15	AU5432	3/16	x	5/16	x	14	92,60
AU5459	1/4	x	3/8	x	8	32,75	AU5530	3/4	x	1	x	13	135,35	AU5403	3/32	x	3/16	x	3	26,95
AU5460	1/4	x	3/8	x	9	36,50	AU5531	3/4	x	1	x	14	140,20	AU5404	3/32	x	3/16	x	4	29,40
AU5450	1/4	x	3/8	x	10	40,55	AU5477	3/8	x	1/2	x	4	24,20	AU5405	3/32	x	3/16	x	5	32,10
AU5451	1/4	x	3/8	x	11	45,25	AU5478	3/8	x	1/2	x	5	28,45	AU5406	3/32	x	3/16	x	6	34,85
AU5452	1/4	x	3/8	x	12	50,35	AU5479	3/8	x	1/2	x	6	31,10	AU5407	3/32	x	3/16	x	7	37,85
AU5453	1/4	x	3/8	x	13	90,60	AU5480	3/8	x	1/2	x	7	34,25	AU5401	3/32	x	3/16	x	10	129,20
AU5454	1/4	x	3/8	x	14	94,00	AU5481	3/8	x	1/2	x	8	37,80	AU5402	3/32	x	3/16	x	11	132,95
AU5410	1/8	x	7/32	x	3	26,00	AU5482	3/8	x	1/2	x	9	41,95	AU5521	5/8	x	7/8	x	4	38,30
AU5411	1/8	x	7/32	x	4	28,55	AU5472	3/8	x	1/2	x	10	46,45	AU5522	5/8	x	7/8	x	5	41,80

Inch-Nitrided Ejector Sleeves

WG 8781

Part No.	ID	x	OD	x	L	Price
AU5523	5/8	x	7/8	x	6	45,75
AU5524	5/8	x	7/8	x	7	50,05
AU5525	5/8	x	7/8	x	8	54,70
AU5526	5/8	x	7/8	x	9	59,70
AU5516	5/8	x	7/8	x	10	64,95
AU5517	5/8	x	7/8	x	11	70,75
AU5518	5/8	x	7/8	x	12	76,85
AU5519	5/8	x	7/8	x	13	122,00
AU5520	5/8	x	7/8	x	14	126,30
AU6202	5/16	x	7/16	x	3	22,50
AU5466	5/16	x	7/16	x	4	23,80
AU5467	5/16	x	7/16	x	5	26,35
AU5468	5/16	x	7/16	x	6	28,85
AU5469	5/16	x	7/16	x	7	31,75
AU5470	5/16	x	7/16	x	8	35,15
AU5471	5/16	x	7/16	x	9	39,10
AU5461	5/16	x	7/16	x	10	43,40
AU5462	5/16	x	7/16	x	11	49,30
AU5463	5/16	x	7/16	x	12	53,70
AU5464	5/16	x	7/16	x	13	90,60
AU5465	5/16	x	7/16	x	14	94,00
AU5422	5/32	x	1/4	x	4	21,80
AU5423	5/32	x	1/4	x	5	23,05
AU5424	5/32	x	1/4	x	6	24,75
AU5425	5/32	x	1/4	x	7	26,95
AU5426	5/32	x	1/4	x	8	29,65
AU5427	5/32	x	1/4	x	9	32,85
AU5417	5/32	x	1/4	x	10	36,50
AU5418	5/32	x	1/4	x	11	54,25
AU5419	5/32	x	1/4	x	12	62,55
AU5420	5/32	x	1/4	x	13	95,05
AU5421	5/32	x	1/4	x	14	98,45
AU5488	7/16	x	5/8	x	4	26,05
AU5489	7/16	x	5/8	x	5	31,05
AU5490	7/16	x	5/8	x	6	36,15
AU5491	7/16	x	5/8	x	7	39,45
AU5492	7/16	x	5/8	x	8	43,25
AU5493	7/16	x	5/8	x	9	47,55
AU5483	7/16	x	5/8	x	10	52,20
AU5484	7/16	x	5/8	x	11	57,50
AU5485	7/16	x	5/8	x	12	63,20
AU5486	7/16	x	5/8	x	13	101,70
AU5487	7/16	x	5/8	x	14	105,45
AU5444	7/32	x	11/32	x	4	22,70
AU5445	7/32	x	11/32	x	5	24,40
AU5446	7/32	x	11/32	x	6	26,45
AU5447	7/32	x	11/32	x	7	29,10
AU5448	7/32	x	11/32	x	8	32,25
AU5449	7/32	x	11/32	x	9	35,85
AU5439	7/32	x	11/32	x	10	39,90
AU5440	7/32	x	11/32	x	11	50,30
AU5441	7/32	x	11/32	x	12	65,50
AU5442	7/32	x	11/32	x	13	105,25
AU5443	7/32	x	11/32	x	14	109,00
AU5510	9/16	x	3/4	x	4	33,70
AU5511	9/16	x	3/4	x	5	37,00
AU5512	9/16	x	3/4	x	6	40,65
AU5513	9/16	x	3/4	x	7	44,70
AU5514	9/16	x	3/4	x	8	49,10
AU5515	9/16	x	3/4	x	9	53,90
AU5505	9/16	x	3/4	x	10	58,90
AU5506	9/16	x	3/4	x	11	64,85
AU5507	9/16	x	3/4	x	12	70,30
AU5508	9/16	x	3/4	x	13	117,15
AU5509	9/16	x	3/4	x	14	121,30



NONNENMANN INC.

Pins METRIC SECTION

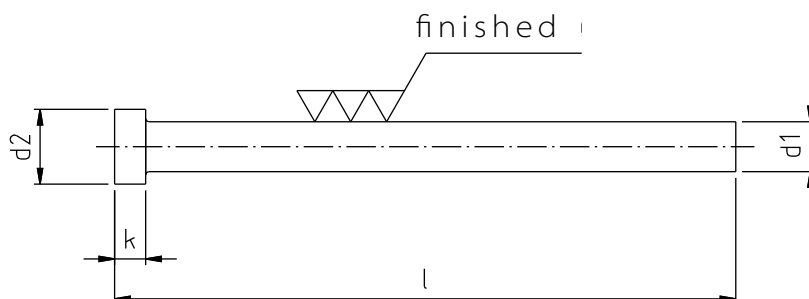




Metric-Nitrided Ejector Pins DIN 1530A

WG 8710

d1 g6	d2 -0,2	k -0,05
2	4.0	2
2.5	5.0	2
3.0	6.0	3
4.0	8.0	3
5.0	10.0	3
6.0	12.0	5
8.0	14.0	5
10.0	16.0	5
12.0	20.0	7
14.0	22.0	7
16.0	22.0	7
20.0	26.0	8
25.0	32.0	10
32.0	40.0	10



Precision ground hotwork steel

Surface nitrided to > 950 HV 0,3

Core Hardness 40-44 Rc

PART NO.	OD	x	L	PRICE	PART NO.	OD	x	L	PRICE	PART NO.	OD	x	L	PRICE
AU0297	1.5	X	100	3,50	AU0333	3.2	X	315	4,52	AU0368	4.5	X	250	4,52
AU0298	1.5	X	125	3,78	AU0334	3.2	X	400	4,86	AU0369	4.5	X	315	5,38
AU0299	1.5	X	160	3,99	AU3302	3.2	X	500	8,82	AU0370	4.5	X	400	6,64
AU0300	1.5	X	200	4,38	AU3380	3.2	X	800	18,06	AU3117	4.5	X	630	11,76
AU0301	2.0	X	100	2,62	AU0335	3.5	X	100	3,01	AU0371	5.0	X	100	2,70
AU0302	2.0	X	125	2,79	AU0336	3.5	X	125	3,33	AU0372	5.0	X	125	2,86
AU0303	2.0	X	160	2,93	AU0337	3.5	X	160	3,49	AU0373	5.0	X	160	3,11
AU0304	2.0	X	200	3,36	AU0338	3.5	X	200	3,82	AU0374	5.0	X	200	3,33
AU0305	2.0	X	250	3,42	AU0339	3.5	X	250	4,12	AU0375	5.0	X	250	3,74
AU2743	2.0	X	315	6,30	AU0340	3.5	X	315	4,63	AU0376	5.0	X	315	4,12
AU0827	2.0	X	400	8,51	AU0341	3.5	X	400	5,04	AU0377	5.0	X	400	5,22
AU0306	2.2	X	100	2,81	AU0342	3.7	X	100	3,29	AU0378	5.0	X	500	5,78
AU0307	2.2	X	125	3,01	AU0343	3.7	X	125	3,56	AU0379	5.0	X	630	6,71
AU0308	2.2	X	160	3,11	AU0344	3.7	X	160	3,74	AU0804	5.0	X	800	15,11
AU0309	2.2	X	200	3,49	AU0345	3.7	X	200	4,23	AU0380	5.2	X	100	3,49
AU3362	2.2	X	250	6,30	AU0346	3.7	X	250	4,48	AU0381	5.2	X	125	3,67
AU2838	2.2	X	315	6,86	AU0347	3.7	X	315	5,49	AU0382	5.2	X	160	3,85
AU0310	2.5	X	100	2,93	AU0348	3.7	X	400	6,71	AU0383	5.2	X	200	4,41
AU0311	2.5	X	125	3,15	AU3116	3.7	X	630	11,76	AU0384	5.2	X	250	4,89
AU0312	2.5	X	160	3,26	AU0349	4.0	X	100	2,56	AU0385	5.2	X	315	5,53
AU0313	2.5	X	200	3,67	AU0350	4.0	X	125	2,66	AU0386	5.2	X	400	7,31
AU0314	2.5	X	250	3,74	AU0351	4.0	X	160	2,74	AU0387	5.2	X	500	9,74
AU0315	2.5	X	315	4,23	AU0352	4.0	X	200	3,04	AU2744	5.2	X	630	17,25
AU0316	2.7	X	100	2,97	AU0353	4.0	X	250	3,23	AU2525	5.2	X	800	19,82
AU0317	2.7	X	125	3,15	AU0354	4.0	X	315	3,67	AU0388	5.5	X	100	3,67
AU0318	2.7	X	160	3,26	AU0355	4.0	X	400	4,63	AU0389	5.5	X	125	3,89
AU0319	2.7	X	200	3,71	AU0356	4.0	X	500	5,46	AU0390	5.5	X	160	4,00
AU0320	3.0	X	100	2,34	AU0811	4.0	X	630	10,60	AU0391	5.5	X	200	4,52
AU0321	3.0	X	125	2,51	AU0812	4.0	X	800	14,24	AU0392	5.5	X	250	5,19
AU0322	3.0	X	160	2,63	AU0357	4.2	X	100	3,19	AU0393	5.5	X	315	5,87
AU0323	3.0	X	200	2,90	AU0358	4.2	X	125	3,49	AU0394	5.5	X	400	7,60
AU0324	3.0	X	250	3,23	AU0359	4.2	X	160	3,60	AU0395	5.5	X	500	10,19
AU0325	3.0	X	315	3,56	AU0360	4.2	X	200	4,00	AU3167	5.5	X	630	21,42
AU0326	3.0	X	400	4,52	AU0361	4.2	X	250	4,41	AU0396	6.0	X	100	2,81
AU0327	3.0	X	500	5,12	AU0362	4.2	X	315	5,08	AU0397	6.0	X	125	3,11
AU2755	3.0	X	630	9,94	AU0363	4.2	X	400	6,30	AU0398	6.0	X	160	3,33
AU2756	3.0	X	800	13,72	AU2802	4.2	X	500	9,24	AU0399	6.0	X	200	3,64
AU0328	3.2	X	100	2,93	AU2942	4.2	X	630	10,99	AU0400	6.0	X	250	4,16
AU0329	3.2	X	125	3,26	AU0364	4.5	X	100	3,44	AU0401	6.0	X	315	4,70
AU0330	3.2	X	160	3,33	AU0365	4.5	X	125	3,64	AU0402	6.0	X	400	6,08
AU0331	3.2	X	200	3,67	AU0366	4.5	X	160	3,71	AU0403	6.0	X	500	8,16
AU0332	3.2	X	250	4,00	AU0367	4.5	X	200	4,16	AU0404	6.0	X	630	10,75



Metric-Nitrided Ejector Pins DIN 1530A

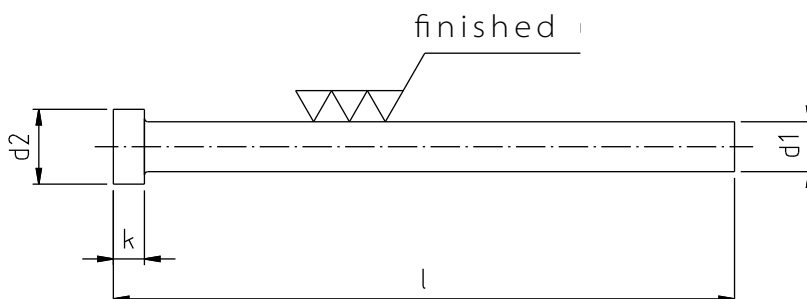
WG 8710

Pins METRIC

PART NO.	OD	x	L	PRICE	PART NO.	OD	x	L	PRICE	PART NO.	OD	x	L	PRICE
AU0405	6.0	X	800	16,31	AU0465	9.0	X	400	13,31	AU0526	12.5	X	125	8,16
AU0813	6.0	X	1000	33,36	AU0466	9.0	X	500	16,69	AU0527	12.5	X	160	9,30
AU0406	6.2	X	100	3,85	AU0467	9.0	X	630	20,92	AU0528	12.5	X	200	10,35
AU0407	6.2	X	125	4,03	AU3274	9.0	X	800	43,54	AU0529	12.5	X	250	11,58
AU0408	6.2	X	160	4,37	AU0468	10.0	X	100	4,03	AU0530	12.5	X	315	13,54
AU0409	6.2	X	200	5,19	AU0469	10.0	X	125	4,48	AU0531	12.5	X	400	18,21
AU0410	6.2	X	250	6,12	AU0470	10.0	X	160	5,00	AU0532	12.5	X	500	23,44
AU0411	6.2	X	315	6,79	AU0471	10.0	X	200	6,19	AU0533	12.5	X	630	28,15
AU0412	6.2	X	400	9,09	AU0472	10.0	X	250	6,89	AU0534	12.5	X	800	33,12
AU0413	6.2	X	500	11,24	AU0473	10.0	X	315	7,83	AU0535	14.0	X	100	7,64
AU2792	6.2	X	630	32,49	AU0474	10.0	X	400	11,54	AU0536	14.0	X	125	9,90
AU0414	6.5	X	100	4,12	AU0475	10.0	X	500	14,39	AU0537	14.0	X	160	10,28
AU0415	6.5	X	125	4,52	AU0476	10.0	X	630	17,50	AU0538	14.0	X	200	11,83
AU0416	6.5	X	160	4,70	AU0477	10.0	X	800	21,32	AU0539	14.0	X	250	13,27
AU0417	6.5	X	200	5,56	AU0478	10.0	X	1000	22,51	AU0540	14.0	X	315	14,59
AU0418	6.5	X	250	6,59	AU0479	10.2	X	100	6,93	AU0541	14.0	X	400	19,84
AU0419	6.5	X	315	7,53	AU0480	10.2	X	125	7,27	AU0542	14.0	X	500	24,37
AU0420	6.5	X	400	10,08	AU0481	10.2	X	160	7,85	AU0543	14.0	X	630	30,56
AU0421	6.5	X	500	12,31	AU0482	10.2	X	200	9,31	AU0544	14.0	X	800	36,05
AU0422	7.0	X	100	4,30	AU0483	10.2	X	250	10,57	AU0545	14.0	X	1000	45,25
AU0423	7.0	X	125	4,75	AU0484	10.2	X	315	12,39	AU0546	16.0	X	100	8,86
AU0424	7.0	X	160	5,00	AU0485	10.2	X	400	16,02	AU0547	16.0	X	125	10,79
AU0425	7.0	X	200	5,87	AU0486	10.2	X	500	19,50	AU0548	16.0	X	160	11,47
AU0426	7.0	X	250	6,89	AU0487	10.2	X	630	24,11	AU0549	16.0	X	200	13,76
AU0427	7.0	X	315	7,71	AU0809	10.2	X	800	45,16	AU0550	16.0	X	250	15,69
AU0428	7.0	X	400	10,49	AU0488	10.5	X	100	7,56	AU0551	16.0	X	315	17,57
AU0429	7.0	X	500	12,87	AU0489	10.5	X	125	7,90	AU0552	16.0	X	400	22,47
AU2793	7.0	X	630	23,00	AU0490	10.5	X	160	8,61	AU0553	16.0	X	500	29,15
AU1716	7.0	X	800	29,34	AU0491	10.5	X	200	10,08	AU0554	16.0	X	630	38,39
AU1717	7.0	X	1000	40,66	AU0492	10.5	X	250	11,54	AU0555	16.0	X	800	51,18
AU0430	8.0	X	100	3,19	AU0493	10.5	X	315	12,89	AU0556	16.0	X	1000	63,06
AU0431	8.0	X	125	3,60	AU0494	10.5	X	400	17,29	AU0557	18.0	X	125	19,50
AU0432	8.0	X	160	3,93	AU0495	10.5	X	500	21,21	AU0558	18.0	X	160	23,48
AU0433	8.0	X	200	4,48	AU0496	10.5	X	630	26,18	AU0559	18.0	X	200	27,03
AU0434	8.0	X	250	5,22	AU0498	11.0	X	100	7,98	AU0560	18.0	X	250	32,63
AU0435	8.0	X	315	5,71	AU0499	11.0	X	125	8,37	AU0561	18.0	X	315	45,99
AU0436	8.0	X	400	7,90	AU0500	11.0	X	160	8,97	AU0562	18.0	X	400	58,98
AU0437	8.0	X	500	9,79	AU0501	11.0	X	200	10,75	AU0563	18.0	X	500	71,96
AU0438	8.0	X	630	11,79	AU0502	11.0	X	250	12,01	AU0802	18.0	X	800	95,90
AU0439	8.0	X	800	14,53	AU0503	11.0	X	315	13,72	AU6034	18.0	X	1000	121,80
AU0440	8.0	X	1000	23,00	AU0504	11.0	X	400	18,24	AU0564	20.0	X	160	13,57
AU0441	8.2	X	100	5,42	AU0505	11.0	X	500	22,33	AU0565	20.0	X	200	18,65
AU0442	8.2	X	125	5,71	AU0506	11.0	X	630	27,55	AU0566	20.0	X	250	21,73
AU0443	8.2	X	160	6,05	AU0507	12.0	X	100	5,46	AU0567	20.0	X	315	26,01
AU0444	8.2	X	200	6,97	AU0508	12.0	X	125	6,34	AU0568	20.0	X	400	36,86
AU0445	8.2	X	250	7,98	AU0509	12.0	X	160	7,18	AU0569	20.0	X	500	47,10
AU0446	8.2	X	315	9,35	AU0510	12.0	X	200	8,79	AU0570	20.0	X	630	58,23
AU0447	8.2	X	400	12,24	AU0511	12.0	X	250	10,86	AU0571	20.0	X	800	73,43
AU0448	8.2	X	500	15,36	AU0512	12.0	X	315	11,97	AU0572	20.0	X	1000	122,77
AU0449	8.2	X	630	19,18	AU0513	12.0	X	400	15,50	AU0573	25.0	X	200	31,26
AU2827	8.2	X	800	30,66	AU0514	12.0	X	500	19,43	AU0574	25.0	X	250	37,83
AU0450	8.5	X	100	5,56	AU0515	12.0	X	630	23,21	AU0575	25.0	X	315	44,14
AU0451	8.5	X	125	5,96	AU0516	12.0	X	800	28,34	AU0576	25.0	X	400	53,41
AU0452	8.5	X	160	6,30	AU0517	12.0	X	1000	32,38	AU0577	25.0	X	500	67,87
AU0453	8.5	X	200	7,34	AU0518	12.2	X	100	6,68	AU0578	25.0	X	630	84,56
AU0454	8.5	X	250	8,48	AU0519	12.2	X	125	8,16	AU0579	25.0	X	800	115,35
AU0455	8.5	X	315	9,83	AU0520	12.2	X	160	9,30	AU0580	25.0	X	1000	179,89
AU0456	8.5	X	400	12,84	AU0521	12.2	X	200	10,35	AU0581	32.0	X	200	65,86
AU0457	8.5	X	500	16,13	AU0522	12.2	X	250	11,58	AU0582	32.0	X	250	75,17
AU0458	8.5	X	630	19,88	AU0523	12.2	X	315	13,54	AU0583	32.0	X	315	83,75
AU0459	9.0	X	100	5,89	AU0524	12.2	X	400	18,21	AU0584	32.0	X	400	110,95
AU0460	9.0	X	125	6,23	AU0963	12.2	X	500	38,08	AU0585	32.0	X	500	139,58
AU0461	9.0	X	160	6,75	AU0964	12.2	X	630	45,81	AU0586	32.0	X	630	172,51
AU0462	9.0	X	200	7,60	AU2745	12.2	X	800	54,04	AU0587	32.0	X	800	221,90
AU0463	9.0	X	250	8,72	AU0965	12.2	X	1000	63,14	AU0588	32.0	X	1000	357,18
AU0464	9.0	X	315	10,16	AU0525	12.5	X	100	6,68					

Metric-Nitrided Ejector Pins black DIN 1530A WG 8700

d1 g6	d2 -0,2	k -0,05
2	4.0	2
2.5	5.0	2
3.0	6.0	3
4.0	8.0	3
5.0	10.0	3
6.0	12.0	5
8.0	14.0	5
10.0	16.0	5
12.0	20.0	7
14.0	22.0	7
16.0	22.0	7
20.0	26.0	8
25.0	32.0	10
32.0	40.0	10



Precision ground hotwork steel

Surface nitrided to > 950 HV 0,3

Core Hardness 40-44 Rc

PART NO.	OD	x	L	PRICE	PART NO.	OD	x	L	PRICE	PART NO.	OD	x	L	PRICE
AU0001	1.5	x	100	5,00	AU0043	3.5	x	200	5,45	AU0084	5.0	x	630	9,60
AU0002	1.5	x	125	5,40	AU0044	3.5	x	250	5,90	AU0085	5.2	x	100	5,00
AU0003	1.5	x	160	5,70	AU0045	3.5	x	315	6,60	AU0086	5.2	x	125	5,25
AU0004	1.5	x	200	6,25	AU0046	3.5	x	400	7,20	AU0087	5.2	x	160	5,50
AU0005	2.0	x	100	3,75	AU0047	3.7	x	100	4,70	AU0088	5.2	x	200	6,30
AU0006	2.0	x	125	4,00	AU0048	3.7	x	125	5,10	AU0089	5.2	x	250	7,00
AU0007	2.0	x	160	4,20	AU0049	3.7	x	160	5,35	AU0090	5.2	x	315	7,90
AU0008	2.0	x	200	4,80	AU0050	3.7	x	200	6,05	AU0091	5.2	x	400	10,45
AU0009	2.0	x	250	4,90	AU0051	3.7	x	250	6,40	AU0092	5.2	x	500	13,90
AU0010	2.2	x	100	4,00	AU0052	3.7	x	315	7,85	AU0093	5.5	x	100	5,25
AU0011	2.2	x	125	4,30	AU0053	3.7	x	400	9,60	AU0094	5.5	x	125	5,55
AU0012	2.2	x	160	4,45	AU0054	4.0	x	100	3,65	AU0095	5.5	x	160	5,70
AU0013	2.2	x	200	5,00	AU0055	4.0	x	125	3,80	AU0096	5.5	x	200	6,45
AU0014	2.5	x	100	4,20	AU0056	4.0	x	160	3,90	AU0097	5.5	x	250	7,40
AU0015	2.5	x	125	4,50	AU0057	4.0	x	200	4,35	AU0098	5.5	x	315	8,40
AU0016	2.5	x	160	4,65	AU0058	4.0	x	250	4,60	AU0099	5.5	x	400	10,85
AU0017	2.5	x	200	5,25	AU0059	4.0	x	315	5,25	AU0100	5.5	x	500	14,55
AU0018	2.5	x	250	5,35	AU0060	4.0	x	400	6,60	AU0101	6.0	x	100	4,00
AU0019	2.5	x	315	6,05	AU0061	4.0	x	500	7,80	AU0102	6.0	x	125	4,45
AU0020	2.7	x	100	4,25	AU2939	4.0	x	800	20,35	AU0103	6.0	x	160	4,75
AU0021	2.7	x	125	4,50	AU0062	4.2	x	100	4,55	AU0104	6.0	x	200	5,20
AU0022	2.7	x	160	4,65	AU0063	4.2	x	125	5,00	AU0105	6.0	x	250	5,95
AU0023	2.7	x	200	5,30	AU0064	4.2	x	160	5,15	AU0106	6.0	x	315	6,70
AU0024	2.7	x	250	9,10	AU0065	4.2	x	200	5,70	AU0107	6.0	x	400	8,70
AU0025	3.0	x	100	3,35	AU0066	4.2	x	250	6,30	AU0108	6.0	x	500	11,65
AU0026	3.0	x	125	3,60	AU0067	4.2	x	315	7,25	AU0109	6.0	x	630	15,35
AU0027	3.0	x	160	3,75	AU0068	4.2	x	400	9,00	AU0110	6.0	x	800	23,30
AU0028	3.0	x	200	4,15	AU0069	4.5	x	100	4,90	AU2554	6.0	x	1000	47,65
AU0029	3.0	x	250	4,60	AU0070	4.5	x	125	5,20	AU0111	6.2	x	100	5,50
AU0030	3.0	x	315	5,10	AU0071	4.5	x	160	5,30	AU0112	6.2	x	125	5,75
AU0031	3.0	x	400	6,45	AU0072	4.5	x	200	5,95	AU0113	6.2	x	160	6,25
AU0032	3.0	x	500	7,30	AU0073	4.5	x	250	6,45	AU0114	6.2	x	200	7,40
AU0033	3.2	x	100	4,20	AU0074	4.5	x	315	7,70	AU0115	6.2	x	250	8,75
AU0034	3.2	x	125	4,65	AU0075	4.5	x	400	9,50	AU0116	6.2	x	315	9,70
AU0035	3.2	x	160	4,75	AU0076	5.0	x	100	3,85	AU0117	6.2	x	400	13,00
AU0036	3.2	x	200	5,25	AU0077	5.0	x	125	4,10	AU0118	6.2	x	500	16,05
AU0037	3.2	x	250	5,70	AU0078	5.0	x	160	4,45	AU0822	6.2	x	630	30,80
AU0038	3.2	x	315	6,45	AU0079	5.0	x	200	4,75	AU0119	6.5	x	100	5,90
AU0039	3.2	x	400	6,95	AU0080	5.0	x	250	5,35	AU0120	6.5	x	125	6,45
AU0040	3.5	x	100	4,30	AU0081	5.0	x	315	5,90	AU0121	6.5	x	160	6,70
AU0041	3.5	x	125	4,75	AU0082	5.0	x	400	7,45	AU0122	6.5	x	200	7,95
AU0042	3.5	x	160	5,00	AU0083	5.0	x	500	8,25	AU0123	6.5	x	250	9,40



Metric-Nitrided Ejector Pins black DIN 1530A

WG 8700

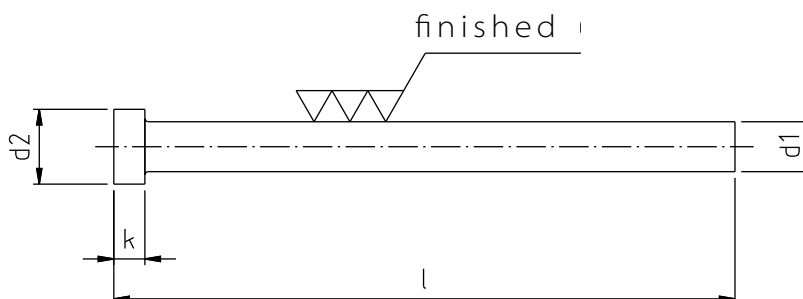
Pins METRIC

PART NO.	OD	x	L	PRICE	PART NO.	OD	x	L	PRICE	PART NO.	OD	x	L	PRICE
AU0124	6.5	x	315	10,75	AU0183	10.0	x	630	25,00	AU0243	14.0	x	125	14,15
AU0125	6.5	x	400	14,40	AU0184	10.0	x	800	30,45	AU0244	14.0	x	160	14,70
AU0126	6.5	x	500	17,60	AU0185	10.0	x	1000	32,15	AU0245	14.0	x	200	16,90
AU0127	7.0	x	100	6,15	AU0917	10.0	x	1250	76,50	AU0246	14.0	x	250	18,95
AU0128	7.0	x	125	6,80	AU0186	10.2	x	100	9,90	AU0247	14.0	x	315	20,85
AU0129	7.0	x	160	7,15	AU0187	10.2	x	125	10,40	AU0248	14.0	x	400	28,35
AU0130	7.0	x	200	8,40	AU0188	10.2	x	160	11,20	AU0249	14.0	x	500	34,80
AU0131	7.0	x	250	9,85	AU0189	10.2	x	200	13,30	AU0250	14.0	x	630	43,65
AU0132	7.0	x	315	11,00	AU0190	10.2	x	250	15,10	AU0251	14.0	x	800	51,50
AU0133	7.0	x	400	15,00	AU0191	10.2	x	315	17,70	AU0252	14.0	x	1000	64,65
AU0134	7.0	x	500	18,40	AU0192	10.2	x	400	22,90	AU0253	16.0	x	100	12,65
AU0135	7.0	x	630	33,65	AU0193	10.2	x	500	27,85	AU0254	16.0	x	125	15,40
AU0803	7.5	x	100	15,65	AU0194	10.2	x	630	34,45	AU0255	16.0	x	160	16,40
AU2760	7.5	x	125	17,00	NT4988	10.2	x	800	49,20	AU0256	16.0	x	200	19,65
AU2761	7.5	x	160	18,40	AU0195	10.5	x	100	10,80	AU0257	16.0	x	250	22,40
AU0136	7.5	x	200	19,95	AU0196	10.5	x	125	11,30	AU0258	16.0	x	315	25,10
AU0814	7.5	x	250	21,60	AU0197	10.5	x	160	12,30	AU0259	16.0	x	400	32,10
AU0815	7.5	x	315	22,35	AU0198	10.5	x	200	14,40	AU0260	16.0	x	500	41,65
AU2911	7.5	x	400	26,20	AU0199	10.5	x	250	16,50	AU0261	16.0	x	630	54,85
AU0137	8.0	x	100	4,55	AU0200	10.5	x	315	18,40	AU0262	16.0	x	800	73,10
AU0138	8.0	x	125	5,15	AU0201	10.5	x	400	24,70	AU0263	16.0	x	1000	90,10
AU0139	8.0	x	160	5,60	AU0202	10.5	x	500	30,30	AU0921	16.0	x	1250	167,70
AU0140	8.0	x	200	6,40	AU0203	10.5	x	630	37,40	AU0265	18.0	x	160	27,85
AU0141	8.0	x	250	7,45	AU0204	10.5	x	800	44,20	AU0266	18.0	x	200	33,55
AU0142	8.0	x	315	8,15	AU2600	10.5	x	1000	80,80	AU0267	18.0	x	250	38,60
AU0143	8.0	x	400	11,30	AU0205	11.0	x	100	11,40	AU0268	18.0	x	315	46,60
AU0144	8.0	x	500	14,00	AU0206	11.0	x	125	11,95	AU0269	18.0	x	400	65,70
AU0145	8.0	x	630	16,85	AU0207	11.0	x	160	12,80	AU0270	18.0	x	500	84,25
AU0146	8.0	x	800	20,75	AU0208	11.0	x	200	15,35	AU0271	18.0	x	630	102,80
AU0147	8.0	x	1000	32,85	AU0209	11.0	x	250	17,15	AU2893	18.0	x	800	279,15
AU2539	8.0	x	1250	58,40	AU0210	11.0	x	315	19,60	AU0272	20.0	x	160	19,40
AU0148	8.2	x	100	7,75	AU0211	11.0	x	400	26,05	AU0273	20.0	x	200	26,65
AU0149	8.2	x	125	8,15	AU0212	11.0	x	500	31,90	AU0274	20.0	x	250	31,05
AU0150	8.2	x	160	8,65	AU0213	11.0	x	630	39,35	AU0275	20.0	x	315	37,15
AU0151	8.2	x	200	9,95	AU0214	12.0	x	100	7,80	AU0276	20.0	x	400	52,65
AU0152	8.2	x	250	11,40	AU0215	12.0	x	125	9,05	AU0277	20.0	x	500	67,30
AU0153	8.2	x	315	13,35	AU0216	12.0	x	160	10,25	AU0278	20.0	x	630	83,20
AU0154	8.2	x	400	17,50	AU0217	12.0	x	200	12,55	AU0279	20.0	x	800	104,90
AU0155	8.2	x	500	21,95	AU0218	12.0	x	250	15,50	AU0280	20.0	x	1000	175,40
AU0156	8.2	x	630	27,40	AU0219	12.0	x	315	17,10	AU0922	20.0	x	1250	267,00
AU0157	8.5	x	100	7,95	AU0220	12.0	x	400	22,15	AU0281	25.0	x	200	44,65
AU0158	8.5	x	125	8,50	AU0221	12.0	x	500	27,75	AU0282	25.0	x	250	54,05
AU0159	8.5	x	160	9,00	AU0222	12.0	x	630	33,15	AU0283	25.0	x	315	63,05
AU0160	8.5	x	200	10,50	AU0223	12.0	x	800	40,50	AU0284	25.0	x	400	76,30
AU0161	8.5	x	250	12,10	AU0224	12.0	x	1000	46,25	AU0285	25.0	x	500	96,95
AU0162	8.5	x	315	14,05	AU0920	12.0	x	1250	105,30	AU0286	25.0	x	630	120,80
AU0163	8.5	x	400	18,35	AU0225	12.2	x	100	9,55	AU0287	25.0	x	800	164,80
AU0164	8.5	x	500	23,05	AU0226	12.2	x	125	11,65	AU0288	25.0	x	1000	257,00
AU0165	8.5	x	630	28,40	AU0227	12.2	x	160	13,30	AU0289	32.0	x	200	94,10
AU0166	9.0	x	100	8,40	AU0228	12.2	x	200	14,80	AU0290	32.0	x	250	107,40
AU0167	9.0	x	125	8,90	AU0229	12.2	x	250	16,55	AU0291	32.0	x	315	119,65
AU0168	9.0	x	160	9,65	AU0230	12.2	x	315	19,35	AU0292	32.0	x	400	158,50
AU0169	9.0	x	200	10,85	AU0231	12.2	x	400	26,00	AU0293	32.0	x	500	199,40
AU0170	9.0	x	250	12,45	AU0816	12.2	x	500	54,40	AU0294	32.0	x	630	246,45
AU0171	9.0	x	315	14,50	AU2823	12.2	x	630	62,00	AU0295	32.0	x	800	317,00
AU0172	9.0	x	400	19,00	AU0232	12.5	x	100	9,55	AU0296	32.0	x	1000	510,25
AU0173	9.0	x	500	23,85	AU0233	12.5	x	125	11,65					
AU0174	9.0	x	630	29,90	AU0234	12.5	x	160	13,30					
AU0175	10.0	x	100	5,75	AU0235	12.5	x	200	14,80					
AU0176	10.0	x	125	6,40	AU0236	12.5	x	250	16,55					
AU0177	10.0	x	160	7,15	AU0237	12.5	x	315	19,35					
AU0178	10.0	x	200	8,85	AU0238	12.5	x	400	26,00					
AU0179	10.0	x	250	9,85	AU0239	12.5	x	500	33,50					
AU0180	10.0	x	315	11,20	AU0240	12.5	x	630	40,20					
AU0181	10.0	x	400	16,50	AU0241	12.5	x	800	47,30					
AU0182	10.0	x	500	20,55	AU0242	14.0	x	100	10,90					

Metric-Core Pins

WG 8715

d1 g6	d2 -0,2	k -0,05
2	4.0	2
2.5	5.0	2
3.0	6.0	3
4.0	8.0	3
5.0	10.0	3
6.0	12.0	5
8.0	14.0	5
10.0	16.0	5
12.0	20.0	7
14.0	22.0	7
16.0	22.0	7
20.0	26.0	8
25.0	32.0	10
32.0	40.0	10



Precision ground hotwork steel

Hardness 40-44 Rc

PART NO.	OD	x	L	PRICE	PART NO.	OD	x	L	PRICE	PART NO.	OD	x	L	PRICE
AU2692	1.5	X	200	4,38	AU2623	4.0	X	200	3,04	AU2611	6.0	X	315	4,70
AU2652	2.0	X	100	2,62	AU2630	4.0	X	250	3,23	AU2617	6.0	X	400	6,08
AU2653	2.0	X	125	2,79	AU2631	4.0	X	315	3,67	AU3098	6.0	X	500	8,16
AU2654	2.0	X	160	2,93	AU3292	4.0	X	400	5,67	AU2818	6.0	X	630	12,46
AU2655	2.0	X	200	3,36	AU2811	4.0	X	500	6,44	AU2872	6.0	X	800	23,38
AU3287	2.0	X	250	8,61	AU0942	4.2	X	100	3,19	AU0976	6.2	X	100	3,85
AU2656	2.2	X	100	2,81	AU2679	4.2	X	125	3,49	AU2698	6.2	X	125	4,03
AU2657	2.2	X	125	3,01	AU0943	4.2	X	160	3,60	AU0977	6.2	X	160	4,37
AU2658	2.2	X	160	3,11	AU0994	4.2	X	200	4,00	AU2699	6.2	X	200	5,19
AU2659	2.2	X	200	3,49	AU2680	4.2	X	250	4,41	AU2700	6.2	X	250	6,12
AU2660	2.5	X	100	2,93	AU2681	4.2	X	315	5,08	AU2701	6.2	X	315	6,79
AU2661	2.5	X	125	3,15	AU0993	4.5	X	100	3,44	AU3353	6.2	X	500	14,98
AU2571	2.5	X	160	3,26	AU2682	4.5	X	125	3,64	AU0978	6.5	X	100	4,12
AU2662	2.5	X	200	3,67	AU2640	4.5	X	160	4,00	AU2514	6.5	X	125	4,52
AU3286	2.5	X	250	9,38	AU2683	4.5	X	200	4,16	AU0979	6.5	X	160	4,70
AU3093	2.7	X	100	2,97	AU2641	4.5	X	250	4,52	AU2702	6.5	X	200	5,56
AU3094	2.7	X	125	3,16	AU2684	4.5	X	315	5,38	AU2703	6.5	X	250	7,53
AU3095	2.7	X	160	3,26	AU0944	5.0	X	100	2,70	AU2704	6.5	X	315	8,51
AU3096	2.7	X	200	3,71	AU0945	5.0	X	125	2,86	AU3099	6.5	X	500	12,31
AU0938	3.0	X	100	2,34	AU0946	5.0	X	160	3,11	AU0980	7.0	X	125	4,75
AU2663	3.0	X	125	2,51	AU2621	5.0	X	200	3,33	AU0981	7.0	X	160	5,00
AU2664	3.0	X	160	2,63	AU2620	5.0	X	250	3,74	AU2584	7.0	X	200	5,87
AU2665	3.0	X	200	2,90	AU2622	5.0	X	315	4,12	AU0982	7.0	X	250	6,89
AU2666	3.0	X	250	3,23	AU2618	5.0	X	400	5,22	AU2705	7.0	X	315	7,71
AU2644	3.2	X	100	2,93	AU0947	5.2	X	100	3,49	AU2537	7.0	X	400	10,49
AU2667	3.2	X	125	3,26	AU2690	5.2	X	125	3,67	AU2530	7.5	X	100	8,23
AU2668	3.2	X	160	3,33	AU0948	5.2	X	160	3,85	AU2520	7.5	X	125	8,60
AU2669	3.2	X	200	3,67	AU2619	5.2	X	200	4,41	AU2531	7.5	X	160	8,95
AU3159	3.2	X	250	4,00	AU2691	5.2	X	250	4,89	AU2532	7.5	X	200	10,37
AU0939	3.5	X	100	3,01	AU2695	5.2	X	315	5,53	AU2833	7.5	X	250	11,27
AU2670	3.5	X	125	3,33	AU3294	5.2	X	400	18,20	AU0974	7.8	X	100	4,30
AU2671	3.5	X	160	3,49	AU0949	5.5	X	100	3,67	AU0975	8.0	X	100	3,19
AU2672	3.5	X	200	3,82	AU0950	5.5	X	125	3,89	AU0935	8.0	X	125	3,60
AU2673	3.5	X	250	4,24	AU0951	5.5	X	160	4,00	AU0871	8.0	X	160	3,93
AU2674	3.7	X	100	3,29	AU2696	5.5	X	200	4,52	AU2612	8.0	X	200	4,48
AU2675	3.7	X	125	3,56	AU2572	5.5	X	250	5,19	AU2613	8.0	X	250	5,22
AU2676	3.7	X	160	3,74	AU2697	5.5	X	315	5,87	AU2540	8.0	X	315	5,71
AU2677	3.7	X	200	4,23	AU0952	6.0	X	100	2,81	AU2615	8.0	X	400	7,90
AU2678	3.7	X	250	4,48	AU0923	6.0	X	125	3,11	AU2616	8.0	X	500	9,79
AU0925	4.0	X	100	2,56	AU0973	6.0	X	160	3,33	AU2599	8.0	X	630	11,79
AU0940	4.0	X	125	2,66	AU2573	6.0	X	200	3,64	AU0983	8.2	X	100	5,42
AU0941	4.0	X	160	2,74	AU2610	6.0	X	250	4,16	AU2706	8.2	X	125	5,71



Metric-Core Pins

WG 8715

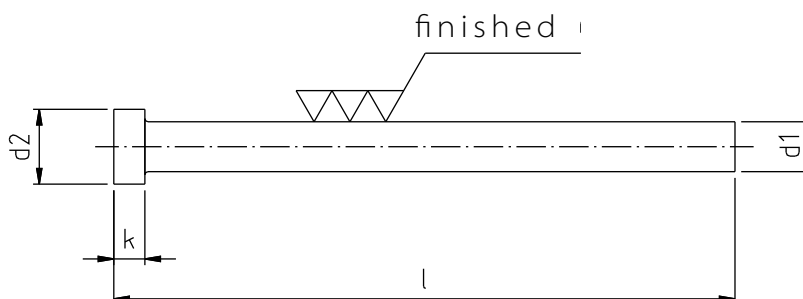
Pins METRIC

PART NO.	OD	x	L	PRICE	PART NO.	OD	x	L	PRICE
AU0868	8.2	X	160	6,05	AU2726	12.2	X	250	11,58
AU2707	8.2	X	200	6,97	AU2727	12.2	X	315	13,54
AU2708	8.2	X	250	7,98	AU2728	12.5	X	100	6,68
AU2693	8.2	X	315	9,35	AU2729	12.5	X	125	8,16
AU2598	8.5	X	100	5,56	AU2632	12.5	X	160	9,30
AU2634	8.5	X	125	5,96	AU2730	12.5	X	200	10,35
AU2518	8.5	X	160	6,30	AU2732	12.5	X	250	11,58
AU2709	8.5	X	200	7,34	AU2733	12.5	X	315	13,54
AU2710	8.5	X	250	8,48	AU3293	12.5	X	400	46,34
AU2694	8.5	X	315	9,83	AU2867	13.0	X	200	22,12
AU2876	8.5	X	400	12,32	AU3088	13.0	X	315	25,34
AU3054	8.5	X	500	16,13	AU3195	13.0	X	400	27,58
AU0984	9.0	X	100	5,89	AU0990	14.0	X	100	7,64
AU2555	9.0	X	125	6,23	AU2626	14.0	X	125	9,90
AU2627	9.0	X	160	6,75	AU2579	14.0	X	160	10,28
AU2635	9.0	X	200	7,60	AU2517	14.0	X	200	11,83
AU2633	9.0	X	250	8,72	AU2522	14.0	X	250	13,27
AU2711	9.0	X	315	10,16	AU2734	14.0	X	315	14,59
AU2758	9.0	X	400	14,70	AU2570	14.0	X	400	19,84
AU2974	9.5	X	100	9,66	AU0997	14.0	X	500	24,37
AU2628	9.5	X	125	10,37	AU0991	16.0	X	100	8,86
AU0870	9.5	X	160	11,76	AU2557	16.0	X	125	10,79
AU2977	9.5	X	200	13,72	AU2558	16.0	X	160	11,47
AU2812	9.5	X	250	14,98	AU2559	16.0	X	200	13,76
AU0863	10.0	X	100	4,03	AU2735	16.0	X	250	15,69
AU0880	10.0	X	125	4,48	AU2736	16.0	X	315	17,57
AU0869	10.0	X	160	5,00	AU2689	16.0	X	400	22,47
AU0985	10.0	X	200	6,19	AU2636	16.0	X	500	29,15
AU2596	10.0	X	250	6,89	AU2637	16.0	X	630	38,39
AU0986	10.0	X	315	7,83	AU0874	18.0	X	100	19,50
AU2614	10.0	X	400	11,54	AU2836	18.0	X	125	19,50
AU2821	10.0	X	500	16,66	AU2543	18.0	X	160	19,50
AU2934	10.0	X	630	17,50	AU2738	18.0	X	200	23,48
AU2585	10.2	X	100	6,93	AU2739	18.0	X	250	27,03
AU2645	10.2	X	125	7,27	AU2740	18.0	X	315	32,63
AU2712	10.2	X	160	7,85	AU2888	18.0	X	500	58,98
AU2602	10.2	X	200	9,31	AU2629	20.0	X	100	13,57
AU2835	10.2	X	250	10,57	AU0992	20.0	X	125	13,57
AU2713	10.2	X	315	12,39	AU2824	20.0	X	160	13,57
AU2533	10.5	X	100	7,56	AU1243	20.0	X	200	18,65
AU2714	10.5	X	125	7,90	AU1242	20.0	X	250	21,73
AU2578	10.5	X	160	8,61	AU1241	20.0	X	315	26,01
AU2715	10.5	X	200	10,04	AU2688	20.0	X	400	36,86
AU2716	10.5	X	250	11,54	AU2825	20.0	X	500	60,76
AU2717	10.5	X	315	12,89	AU2994	20.0	X	630	82,60
AU2542	11.0	X	100	7,98	AU2877	25.0	X	160	31,26
AU0995	11.0	X	125	8,37	AU2995	25.0	X	200	31,26
AU0996	11.0	X	160	8,97	AU2922	25.0	X	250	36,40
AU2546	11.0	X	200	10,75	AU2878	25.0	X	315	44,14
AU2718	11.0	X	250	12,01	AU2879	25.0	X	400	53,41
AU2547	11.0	X	315	13,72	AU2892	25.0	X	500	67,87
AU2719	11.0	X	400	18,24	AU2948	25.0	X	630	84,56
AU3265	11.0	X	500	22,33					
AU0987	12.0	X	100	5,46					
AU0988	12.0	X	125	6,34					
AU0989	12.0	X	160	7,18					
AU2649	12.0	X	200	8,79					
AU2720	12.0	X	250	10,86					
AU2721	12.0	X	315	11,97					
AU2577	12.0	X	400	15,50					
AU2576	12.0	X	500	19,43					
AU3243	12.0	X	630	23,77					
AU2722	12.2	X	100	6,68					
AU2723	12.2	X	125	8,16					
AU2724	12.2	X	160	9,30					
AU2725	12.2	X	200	10,35					

Metric-Hardened Ejector Pins DIN 1530AH

WG 8720

d1 g6	d2 -0,2	k -0,05
2	4.0	2
2.5	5.0	2
3.0	6.0	3
4.0	8.0	3
5.0	10.0	3
6.0	12.0	5
8.0	14.0	5
10.0	16.0	5
12.0	20.0	7
14.0	22.0	7
16.0	22.0	7
20.0	26.0	8
25.0	32.0	10
32.0	40.0	10



Precision hotwork steel

Hardness 60 Rc +/-2

PART NO.	OD	x	L	PRICE	PART NO.	OD	x	L	PRICE	PART NO.	OD	x	L	PRICE
AU0904	1.0	x	100	5,20	AU0604	2.2	x	160	3,75	AU0896	3.1	x	125	5,40
AU1469	1.0	x	125	5,30	AU0605	2.2	x	200	4,60	AU1494	3.1	x	160	5,70
AU1470	1.0	x	160	5,80	AU0606	2.2	x	250	6,55	AU0623	3.2	x	100	3,05
AU2869	1.0	x	200	10,20	AU1481	2.3	x	100	4,90	AU0624	3.2	x	125	3,40
AU1238	1.1	x	100	5,20	AU1482	2.3	x	125	5,00	AU0625	3.2	x	160	3,85
AU1471	1.1	x	125	5,30	AU1483	2.3	x	160	5,30	AU0626	3.2	x	200	4,50
AU1472	1.1	x	160	5,80	AU2910	2.3	x	200	7,90	AU0627	3.2	x	250	6,00
AU1237	1.2	x	100	5,20	AU1484	2.4	x	100	4,90	AU3060	3.2	x	315	9,60
AU2563	1.2	x	125	5,30	AU1485	2.4	x	125	5,00	AU1495	3.3	x	100	5,10
AU1473	1.2	x	160	5,80	AU1486	2.4	x	160	5,30	AU1496	3.3	x	125	5,40
AU2998	1.2	x	200	9,90	AU0607	2.5	x	100	2,45	AU1497	3.3	x	160	5,70
AU2647	1.3	x	160	10,85	AU0608	2.5	x	125	2,80	AU1498	3.4	x	100	5,10
AU0926	1.4	x	100	5,20	AU0609	2.5	x	160	3,30	AU1499	3.4	x	125	5,40
AU1474	1.4	x	125	5,30	AU0610	2.5	x	200	4,00	AU1500	3.4	x	160	5,70
AU1475	1.4	x	160	5,80	AU0611	2.5	x	250	5,35	AU0628	3.5	x	100	2,60
AU0589	1.5	x	100	3,10	AU0878	2.5	x	315	10,10	AU0629	3.5	x	125	2,90
AU0590	1.5	x	125	3,30	AU2897	2.5	x	400	11,80	AU0630	3.5	x	160	3,45
AU0591	1.5	x	160	3,60	AU0927	2.6	x	100	4,90	AU0631	3.5	x	200	4,30
AU0592	1.5	x	200	4,55	AU1487	2.6	x	125	5,00	AU0632	3.5	x	250	5,95
AU2575	1.5	x	250	7,75	AU0849	2.6	x	160	5,95	AU2901	3.5	x	315	8,00
AU2937	1.5	x	315	9,80	AU3079	2.6	x	200	7,20	AU2886	3.5	x	400	8,20
AU0593	1.6	x	100	2,80	AU0612	2.7	x	100	3,00	AU1501	3.6	x	100	5,10
AU0594	1.6	x	125	3,30	AU0613	2.7	x	125	3,30	AU1502	3.6	x	125	5,40
AU0595	1.6	x	160	3,70	AU0614	2.7	x	160	3,80	AU1503	3.6	x	160	5,70
AU0596	1.6	x	200	4,65	AU0615	2.7	x	200	4,70	AU0633	3.7	x	100	3,05
AU2978	1.7	x	100	5,20	AU0616	2.7	x	250	6,70	AU0634	3.7	x	125	3,40
AU1476	1.8	x	100	5,20	AU3074	2.7	x	315	10,60	AU0635	3.7	x	160	3,90
AU0807	1.8	x	125	5,30	AU0897	2.8	x	100	4,90	AU0636	3.7	x	200	4,80
AU1477	1.8	x	160	5,80	AU1488	2.8	x	125	5,00	AU0637	3.7	x	250	6,70
AU0954	1.9	x	100	5,20	AU1489	2.8	x	160	5,30	AU0808	3.7	x	315	15,45
AU3066	1.9	x	160	5,80	AU1490	2.9	x	100	4,90	AU1504	3.8	x	100	5,10
AU0597	2.0	x	100	2,45	AU1491	2.9	x	125	5,00	AU1505	3.8	x	125	5,40
AU0598	2.0	x	125	2,80	AU1492	2.9	x	160	5,30	AU1506	3.8	x	160	5,70
AU0599	2.0	x	160	3,25	AU0617	3.0	x	100	2,45	AU2936	3.8	x	200	6,40
AU0600	2.0	x	200	4,00	AU0618	3.0	x	125	2,80	AU1507	3.9	x	100	5,10
AU0601	2.0	x	250	5,45	AU0619	3.0	x	160	3,25	AU1508	3.9	x	125	5,40
AU2969	2.0	x	315	8,20	AU0620	3.0	x	200	4,00	AU1509	3.9	x	160	5,70
AU1478	2.1	x	100	4,90	AU0621	3.0	x	250	5,35	AU0638	4.0	x	100	2,60
AU1479	2.1	x	125	5,00	AU0622	3.0	x	315	7,30	AU0639	4.0	x	125	2,90
AU1780	2.1	x	160	5,30	AU2805	3.0	x	400	9,80	AU0640	4.0	x	160	3,40
AU0602	2.2	x	100	2,60	AU2806	3.0	x	500	11,00	AU0641	4.0	x	200	4,25
AU0603	2.2	x	125	3,30	AU1493	3.1	x	100	5,10	AU0642	4.0	x	250	5,95



Metric-Hardened Ejector Pins DIN 1530AH

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Pins METRIC

PART NO.	OD	x	L	PRICE	PART NO.	OD	x	L	PRICE	PART NO.	OD	x	L	PRICE
AU0643	4.0	x	315	7,30	AU1533	5.4	x	160	6,85	AU0701	7.0	x	125	4,60
AU0644	4.0	x	400	11,10	AU0674	5.5	x	100	3,30	AU0702	7.0	x	160	5,40
AU2938	4.0	x	500	13,60	AU0675	5.5	x	125	3,75	AU0703	7.0	x	200	6,85
AU0969	4.1	x	100	5,40	AU0676	5.5	x	160	4,30	AU0704	7.0	x	250	10,10
AU1510	4.1	x	125	5,80	AU0677	5.5	x	200	5,15	AU0705	7.0	x	315	12,90
AU1511	4.1	x	160	6,15	AU0678	5.5	x	250	7,15	AU1567	7.2	x	100	7,65
AU0645	4.2	x	100	3,30	AU0679	5.5	x	315	8,85	AU1568	7.2	x	125	8,30
AU0646	4.2	x	125	3,80	AU2945	5.5	x	400	11,80	AU1569	7.2	x	160	8,70
AU0647	4.2	x	160	4,20	AU3027	5.5	x	500	18,80	AU2776	7.2	x	200	13,10
AU0648	4.2	x	200	5,20	AU1534	5.6	x	100	6,05	AU0706	7.5	x	100	7,65
AU0649	4.2	x	250	7,05	AU1535	5.6	x	125	6,45	AU1570	7.5	x	125	8,30
AU0650	4.2	x	315	8,65	AU1536	5.6	x	160	6,85	AU1571	7.5	x	160	8,70
AU2832	4.2	x	400	13,10	AU0680	5.6	x	200	13,00	AU2759	7.5	x	200	11,00
AU1512	4.3	x	100	5,40	AU1537	5.7	x	100	6,05	AU0707	8.0	x	100	3,60
AU1513	4.3	x	125	5,80	AU1538	5.7	x	125	6,45	AU0708	8.0	x	125	4,45
AU1514	4.3	x	160	6,15	AU1539	5.7	x	160	6,85	AU0709	8.0	x	160	5,40
AU1515	4.4	x	100	5,40	AU1540	5.8	x	100	6,05	AU0710	8.0	x	200	6,75
AU1516	4.4	x	125	5,80	AU1541	5.8	x	125	6,45	AU0711	8.0	x	250	8,80
AU1517	4.4	x	160	6,15	AU1542	5.8	x	160	6,85	AU0712	8.0	x	315	11,70
AU2963	4.4	x	200	6,90	AU1543	5.9	x	100	6,05	AU0713	8.0	x	400	17,65
AU0651	4.5	x	100	2,85	AU1544	5.9	x	125	6,45	AU2587	8.0	x	500	21,40
AU0652	4.5	x	125	3,30	AU1545	5.9	x	160	6,85	AU2961	8.0	x	630	25,60
AU0653	4.5	x	160	3,75	AU0681	6.0	x	100	3,30	AU0714	8.2	x	100	5,30
AU0654	4.5	x	200	4,55	AU0682	6.0	x	125	3,60	AU0715	8.2	x	125	6,30
AU0655	4.5	x	250	6,60	AU0683	6.0	x	160	4,30	AU0716	8.2	x	160	7,25
AU0806	4.5	x	315	11,95	AU0684	6.0	x	200	5,10	AU0717	8.2	x	200	9,30
AU2971	4.5	x	400	13,40	AU0685	6.0	x	250	7,15	AU0718	8.2	x	250	12,60
AU1518	4.6	x	100	5,40	AU0686	6.0	x	315	8,85	AU0719	8.2	x	315	15,95
AU1519	4.6	x	125	5,80	AU0687	6.0	x	400	12,80	AU0720	8.5	x	100	5,30
AU1520	4.6	x	160	6,15	AU2586	6.0	x	500	18,40	AU0721	8.5	x	125	6,30
AU2953	4.6	x	200	7,80	AU2592	6.0	x	630	21,90	AU0722	8.5	x	160	7,25
AU0656	4.7	x	100	3,35	AU1546	6.1	x	100	7,05	AU0723	8.5	x	200	9,30
AU0657	4.7	x	125	3,80	AU1547	6.1	x	125	7,45	AU0724	8.5	x	250	12,60
AU0658	4.7	x	160	4,20	AU1548	6.1	x	160	7,90	AU0725	8.5	x	315	15,95
AU0659	4.7	x	200	5,20	AU0688	6.2	x	100	4,30	AU0726	9.0	x	100	5,30
AU0660	4.7	x	250	7,05	AU0689	6.2	x	125	5,20	AU0727	9.0	x	125	6,30
AU1521	4.8	x	100	5,40	AU0690	6.2	x	160	6,10	AU0728	9.0	x	160	7,25
AU1522	4.8	x	125	5,80	AU0691	6.2	x	200	7,75	AU0729	9.0	x	200	9,30
AU1523	4.8	x	160	6,15	AU0692	6.2	x	250	11,40	AU0730	9.0	x	250	12,60
AU1524	4.9	x	100	5,40	AU0693	6.2	x	315	14,55	AU0731	9.0	x	315	15,95
AU1525	4.9	x	125	5,80	AU2868	6.2	x	500	18,60	AU0732	9.5	x	100	9,80
AU1526	4.9	x	160	6,15	AU1549	6.3	x	100	7,05	AU1572	9.5	x	125	10,55
AU0661	5.0	x	100	2,80	AU1550	6.3	x	125	7,45	AU0733	9.5	x	160	11,05
AU0662	5.0	x	125	3,25	AU1551	6.3	x	160	7,90	AU0734	9.5	x	200	23,90
AU0663	5.0	x	160	3,70	AU1552	6.4	x	100	7,05	AU0735	10.0	x	100	5,15
AU0664	5.0	x	200	4,45	AU1553	6.4	x	125	7,45	AU0736	10.0	x	125	6,15
AU0665	5.0	x	250	6,60	AU1554	6.4	x	160	8,10	AU0737	10.0	x	160	7,10
AU0666	5.0	x	315	8,00	AU0694	6.5	x	100	3,80	AU0738	10.0	x	200	9,20
AU0667	5.0	x	400	12,10	AU0695	6.5	x	125	4,60	AU0739	10.0	x	250	18,00
AU2820	5.0	x	500	13,80	AU0696	6.5	x	160	5,40	AU0740	10.0	x	315	13,25
AU0955	5.1	x	100	6,05	AU0697	6.5	x	200	6,85	AU0741	10.0	x	400	20,70
AU1527	5.1	x	125	6,45	AU0698	6.5	x	250	10,10	AU2588	10.0	x	500	30,05
AU1528	5.1	x	160	6,85	AU0699	6.5	x	315	12,90	AU2762	10.0	x	630	38,15
AU0668	5.2	x	100	3,75	AU1555	6.6	x	100	7,05	AU0919	10.0	x	800	69,45
AU0669	5.2	x	125	4,20	AU1556	6.6	x	125	7,45	AU0742	10.2	x	100	6,65
AU0670	5.2	x	160	4,80	AU1557	6.6	x	160	7,90	AU0743	10.2	x	125	7,90
AU0671	5.2	x	200	5,80	AU1558	6.7	x	100	7,05	AU0744	10.2	x	160	9,60
AU0672	5.2	x	250	8,05	AU1559	6.7	x	125	7,45	AU0745	10.2	x	200	11,80
AU0673	5.2	x	315	9,40	AU1560	6.7	x	160	7,90	AU0746	10.2	x	250	15,95
AU2943	5.2	x	400	11,20	AU1561	6.8	x	100	7,05	AU0747	10.2	x	315	19,95
AU1529	5.3	x	100	6,05	AU1562	6.8	x	125	7,45	AU2819	10.2	x	400	25,60
AU1530	5.3	x	125	6,45	AU1563	6.8	x	160	7,90	AU0748	10.5	x	100	6,65
AU1531	5.3	x	160	6,85	AU1564	6.9	x	100	7,05	AU0749	10.5	x	125	7,90
AU2973	5.3	x	250	10,30	AU1565	6.9	x	125	7,45	AU0750	10.5	x	160	9,60
AU0860	5.4	x	100	6,05	AU1566	6.9	x	160	7,90	AU0751	10.5	x	200	11,80
AU1532	5.4	x	125	6,45	AU0700	7.0	x	100	3,80	AU0752	10.5	x	250	15,95

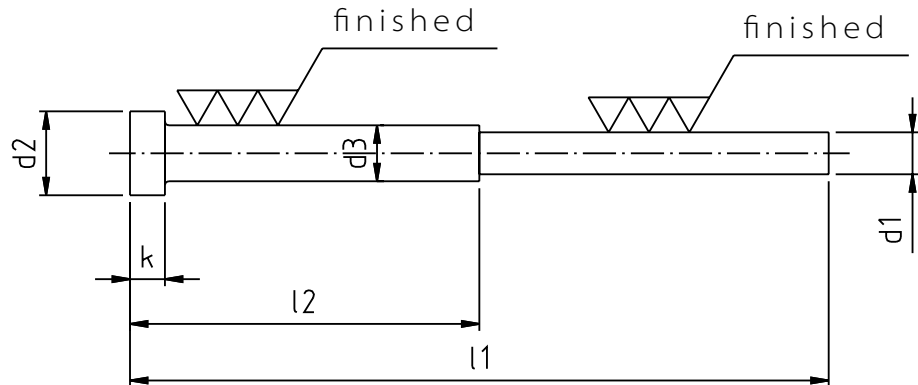
**Metric-Hardened Ejector Pins DIN 1530AH**
WG 8720

PART NO.	OD	x	L	PRICE
AU0753	10.5	x	315	19,95
AU0754	11.0	x	100	6,65
AU0755	11.0	x	125	7,90
AU0756	11.0	x	160	10,60
AU0757	11.0	x	200	13,40
AU0758	11.0	x	250	16,95
AU0759	11.0	x	315	20,95
AU2970	11.0	x	400	33,40
AU0760	12.0	x	100	6,55
AU0761	12.0	x	125	7,85
AU0762	12.0	x	160	9,35
AU0763	12.0	x	200	11,80
AU0764	12.0	x	250	14,10
AU0765	12.0	x	315	16,25
AU0766	12.0	x	400	25,70
AU2589	12.0	x	500	45,80
AU2593	12.0	x	630	54,30
AU2763	12.0	x	800	66,45
AU0767	12.2	x	100	7,60
AU0768	12.2	x	125	9,50
AU0769	12.2	x	160	10,60
AU0770	12.2	x	200	13,40
AU0771	12.2	x	250	16,90
AU0772	12.2	x	315	20,95
AU0773	12.5	x	100	7,60
AU0774	12.5	x	125	9,50
AU0775	12.5	x	160	10,60
AU0776	12.5	x	200	13,40
AU0777	12.5	x	250	16,90
AU0778	12.5	x	315	42,45
AU2954	13.5	x	200	20,80
AU0779	14.0	x	100	8,10
AU0780	14.0	x	125	10,10
AU0781	14.0	x	160	12,30
AU0782	14.0	x	200	14,85
AU0783	14.0	x	250	18,90
AU0784	14.0	x	315	22,70
AU0785	14.0	x	400	34,30
AU2960	14.0	x	500	44,20
AU0786	16.0	x	100	10,85
AU0787	16.0	x	125	12,60
AU0788	16.0	x	160	14,55
AU0789	16.0	x	200	18,15
AU0790	16.0	x	250	23,75
AU0791	16.0	x	315	29,25
AU0792	16.0	x	400	40,40
AU2951	16.0	x	500	50,20
AU2952	16.0	x	630	67,20
AU0797	20.0	x	160	19,90
AU0798	20.0	x	200	26,15
AU0799	20.0	x	250	34,30
AU0800	20.0	x	315	44,40

Metric-Nitrided Step Ejector Pins DIN 1530C

WG 8730

d1 g6	d2 -0,1	d3 -0,1	k -0,05
0.8	4.0	2.0	2.0
0.9	4.0	2.0	2.0
1.0	4.0	2.0	2.0
1.1	4.0	2.0	2.0
1.2	4.0	2.0	2.0
1.3	4.0	2.0	2.0
1.4	4.0	2.0	2.0
1.5	6.0	3.0	3.0
1.6	6.0	3.0	3.0
1.7	6.0	3.0	3.0
1.8	6.0	3.0	3.0
1.9	6.0	3.0	3.0
2.0	6.0	3.0	3.0
2.2	6.0	3.0	3.0
2.5	6.0	3.0	3.0



■ Precision ground hotwork steel

■ Surface nitrided to > 950 HV 0,3

■ Core Hardness 40-44 Rc

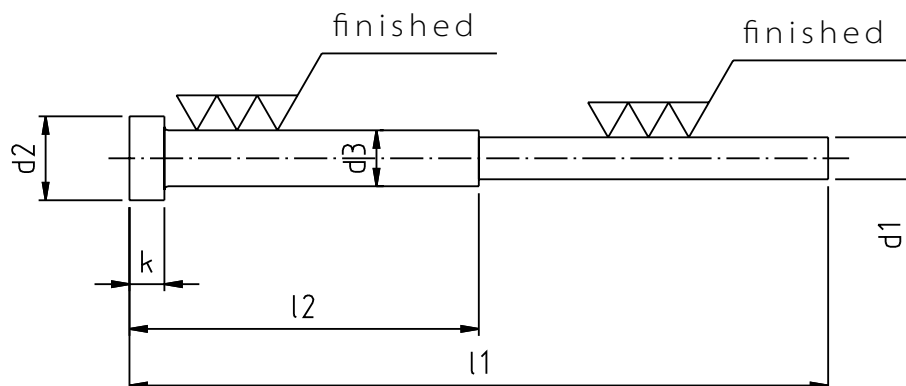
PART NO.	OD	x	L	PRICE
AU1404	0.8	x	100	13,85
AU1405	0.8	x	125	14,30
AU0916	0.8	x	160	26,80
AU1407	0.9	x	100	13,85
AU1408	0.9	x	125	14,30
AU1410	0.9	x	160	15,45
AU1411	1.0	x	100	13,85
AU1412	1.0	x	125	13,70
AU1414	1.0	x	160	14,30
AU1415	1.0	x	200	15,10
AU1417	1.1	x	100	13,85
AU1418	1.1	x	125	13,70
AU1420	1.1	x	160	14,30
AU1421	1.2	x	100	13,85
AU1422	1.2	x	125	13,70
AU1424	1.2	x	160	14,30
AU1425	1.3	x	100	12,30
AU1426	1.3	x	125	12,85
AU1428	1.3	x	160	13,50
AU1429	1.3	x	200	14,40
AU1430	1.4	x	100	12,30
AU1431	1.4	x	125	12,85
AU1433	1.4	x	160	13,50
AU1434	1.5	x	100	11,15
AU1435	1.5	x	125	11,70
AU1437	1.5	x	160	12,40
AU1438	1.5	x	200	13,65
AU1439	1.6	x	100	11,15
AU1440	1.6	x	125	11,70
AU1442	1.6	x	160	12,40
AU1443	1.7	x	100	11,15
AU1444	1.7	x	125	11,70
AU1446	1.7	x	160	12,40
AU1447	1.8	x	100	10,70
AU1448	1.8	x	125	11,05
AU1450	1.8	x	160	11,80
AU1451	1.8	x	200	12,80
AU1452	1.9	x	100	10,70
AU1453	1.9	x	125	11,05
AU1455	1.9	x	160	11,80

PART NO.	OD	x	L	PRICE
AU1456	1.9	x	200	12,80
AU1457	2.0	x	100	10,00
AU1458	2.0	x	125	10,70
AU0915	2.0	x	160	11,36
AU1460	2.0	x	200	12,50
AU1461	2.2	x	100	10,00
AU1462	2.2	x	125	10,70
AU0914	2.2	x	160	11,36
AU1464	2.2	x	200	12,50
AU1465	2.5	x	100	9,10
AU1466	2.5	x	125	9,90
AU0913	2.5	x	160	10,38
AU1468	2.5	x	200	11,55

Metric-Hardened Step Ejector Pins DIN 1530CH

WG 8740

d1 g6	d2 -0,1	d3 -0,1	k -0,05
0.8	4.0	2.0	2.0
0.9	4.0	2.0	2.0
1.0	4.0	2.0	2.0
1.1	4.0	2.0	2.0
1.2	4.0	2.0	2.0
1.3	4.0	2.0	2.0
1.4	4.0	2.0	2.0
1.5	6.0	3.0	3.0
1.6	6.0	3.0	3.0
1.7	6.0	3.0	3.0
1.8	6.0	3.0	3.0
1.9	6.0	3.0	3.0
2.0	6.0	3.0	3.0
2.2	6.0	3.0	3.0
2.5	6.0	3.0	3.0



Precision hotwork steel

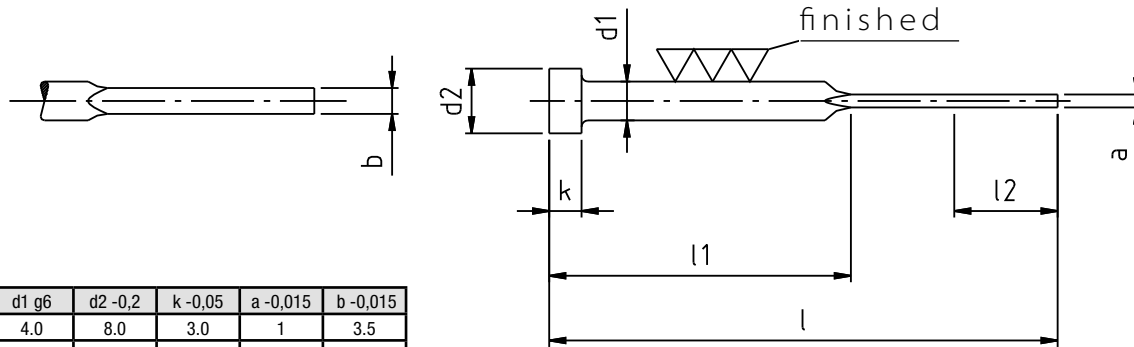
Hardness 60 Rc +/-2

PART NO.	OD	x	L	PRICE
AU3035	0.7	x	125	19,20
AU1310	0.8	x	100	9,90
AU1311	0.8	x	125	10,50
AU1312	0.8	x	150	11,40
AU1313	0.8	x	160	11,40
AU1314	0.9	x	100	9,90
AU1315	0.9	x	125	10,50
AU1316	0.9	x	150	11,40
AU1317	0.9	x	160	11,40
AU2651	1.0	x	80	15,25
AU1318	1.0	x	100	9,30
AU1319	1.0	x	125	9,84
AU1320	1.0	x	150	10,35
AU1321	1.0	x	160	10,35
AU1322	1.0	x	200	11,30
AU1323	1.1	x	100	9,30
AU1324	1.1	x	125	9,84
AU1325	1.1	x	150	10,35
AU1326	1.1	x	160	10,35
AU1327	1.1	x	200	11,30
AU0998	1.2	x	100	9,30
AU1329	1.2	x	125	9,84
AU1330	1.2	x	150	10,35
AU1331	1.2	x	160	10,35
AU1332	1.2	x	200	11,30
AU0999	1.3	x	100	9,30
AU1333	1.3	x	125	9,84
AU1334	1.3	x	150	10,35
AU1335	1.3	x	160	10,35
AU1336	1.3	x	200	11,30
AU2870	1.4	x	80	15,25
AU1337	1.4	x	100	9,30
AU1338	1.4	x	125	9,84
AU1339	1.4	x	150	10,35
AU1340	1.4	x	160	10,35
AU1341	1.4	x	200	11,30
AU2997	1.5	x	80	13,30
AU1342	1.5	x	100	8,00
AU0971	1.5	x	125	8,55
AU1344	1.5	x	150	9,20

PART NO.	OD	x	L	PRICE
AU1346	1.5	x	160	9,20
AU1347	1.5	x	200	10,25
AU0866	1.6	x	80	13,30
AU1348	1.6	x	100	8,00
AU1349	1.6	x	125	8,55
AU1350	1.6	x	150	9,20
AU1351	1.6	x	160	9,20
AU1352	1.6	x	200	10,25
AU1353	1.7	x	100	8,00
AU1354	1.7	x	125	8,55
AU1355	1.7	x	150	9,20
AU1356	1.7	x	160	9,20
AU1357	1.7	x	200	10,25
AU2871	1.8	x	80	13,60
AU1359	1.8	x	100	8,00
AU1360	1.8	x	125	8,55
AU1361	1.8	x	150	9,20
AU1362	1.8	x	160	9,20
AU1363	1.8	x	200	10,25
AU1364	1.9	x	100	8,00
AU1365	1.9	x	125	8,55
AU1366	1.9	x	150	9,20
AU1367	1.9	x	160	9,20
AU1368	1.9	x	200	10,25
AU3019	2.0	x	80	12,40
AU1369	2.0	x	100	6,95
AU1370	2.0	x	125	7,70
AU1371	2.0	x	150	8,40
AU1372	2.0	x	160	8,40
AU0960	2.0	x	200	9,50
AU1374	2.1	x	100	6,95
AU1375	2.1	x	125	7,70
AU1376	2.1	x	150	8,40
AU1377	2.1	x	160	8,40
AU1378	2.1	x	200	9,50
AU1379	2.2	x	100	6,95
AU1380	2.2	x	125	7,70
AU1381	2.2	x	150	8,40
AU1382	2.2	x	160	8,40
AU1383	2.2	x	200	9,50

PART NO.	OD	x	L	PRICE
AU1384	2.3	x	100	6,95
AU1390	2.3	x	125	7,70
AU1386	2.3	x	150	8,40
AU1387	2.3	x	160	8,40
AU1388	2.3	x	200	9,50
AU1394	2.4	x	100	6,95
AU1395	2.4	x	125	7,70
AU1396	2.4	x	150	8,40
AU1397	2.4	x	160	8,40
AU1398	2.4	x	200	9,50
AU1399	2.5	x	100	6,15
AU1400	2.5	x	125	6,95
AU1401	2.5	x	150	7,40
AU1402	2.5	x	160	7,40
AU1403	2.5	x	200	8,55

Metric-Hardened Flat Ejector Pins ISO 8693 WG 8760



d1 g6	d2 -0,2	k -0,05	a -0,015	b -0,015
4.0	8.0	3.0	1	3.5
4.2	8.0	3.0	1	3.8
6.0	12.0	5.0	1.5	5.5
6.0	12.0	5.0	2	5.5
8.0	14.0	5.0	1.5	7.5
8.0	14.0	5.0	2	7.5
10.0	16.0	5.0	2	9.5

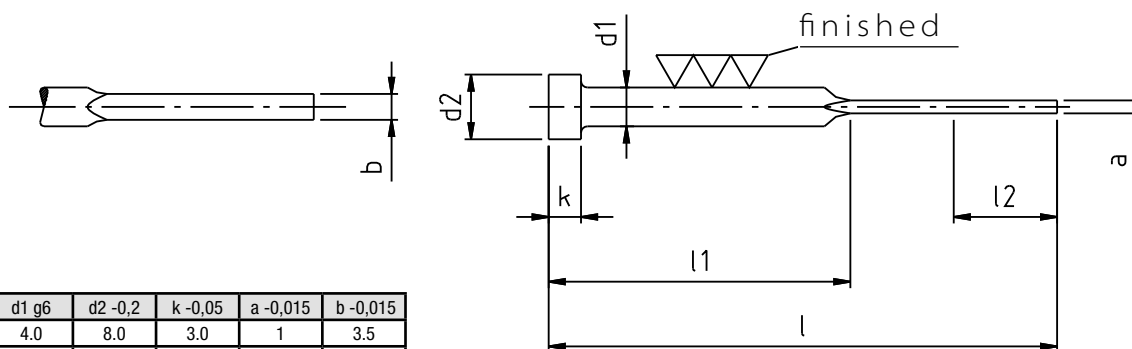
l+1	1-1,2
63.0	32.0
80.0	40.0
100.0	50.0
125.0	60.0
160.0	80.0
200.0	100.0
250.0	125.0
315.0	160.0

■ Precision hotwork steel

■ Hardness 60 Rc +/-2

Part No.	ID	x	OD	x	L	Price	Part No.	ID	x	OD	x	L	Price	Part No.	ID	x	OD	x	L	Price
AU1573	3.5	x	1.0	x	63	23,35	AU1599	4.5	x	1.2	x	200	55,70	AU1623	7.5	x	1.5	x	160	69,30
AU1574	3.5	x	1.0	x	80	27,35	AU1600	4.5	x	1.5	x	100	34,35	AU1624	7.5	x	1.5	x	200	77,45
AU1575	3.5	x	1.0	x	100	29,20	AU0956	4.5	x	1.5	x	125	41,80	AU1625	7.5	x	1.5	x	250	83,40
AU1576	3.5	x	1.0	x	125	31,60	AU1601	4.5	x	1.5	x	160	50,10	AU1626	7.5	x	2.0	x	160	67,45
AU2772	3.8	x	1.0	x	80	27,35	AU1602	4.5	x	1.5	x	200	54,75	AU0908	7.5	x	2.0	x	200	74,45
AU1577	3.8	x	0.8	x	63	28,00	AU1603	5.5	x	1.0	x	80	29,70	AU0883	7.5	x	2.0	x	250	81,95
AU1578	3.8	x	0.8	x	100	35,35	AU1604	5.5	x	1.0	x	100	39,40	AU2519	9.5	x	1.5	x	160	92,35
AU1579	3.8	x	0.8	x	125	37,65	AU2774	5.5	x	1.0	x	125	47,45	AU1627	9.5	x	1.5	x	200	104,30
AU1580	3.8	x	0.8	x	160	40,25	AU1605	5.5	x	1.0	x	160	56,60	AU1628	9.5	x	1.5	x	250	117,00
AU1581	3.8	x	1.0	x	63	23,35	AU1606	5.5	x	1.0	x	200	61,20	AU1629	9.5	x	1.5	x	315	139,25
AU0903	3.8	x	1.0	x	80	35,85	AU1607	5.5	x	1.2	x	80	28,80	AU3083	9.5	x	2.0	x	160	98,10
AU1582	3.8	x	1.0	x	100	29,20	AU1608	5.5	x	1.2	x	100	38,10	AU1630	9.5	x	2.0	x	200	100,50
AU2773	3.8	x	1.0	x	125	31,60	AU1609	5.5	x	1.2	x	125	46,45	AU1631	9.5	x	2.0	x	250	114,70
AU1583	3.8	x	1.0	x	160	34,80	AU1610	5.5	x	1.2	x	160	55,70	AU1632	9.5	x	2.0	x	315	135,50
AU1584	3.8	x	1.2	x	80	26,50	AU1611	5.5	x	1.2	x	200	59,35	AU1633	11.5	x	2.0	x	200	122,20
AU1585	3.8	x	1.2	x	100	29,40	AU1612	5.5	x	1.5	x	100	37,10	AU1634	11.5	x	2.0	x	250	155,60
AU1586	3.8	x	1.2	x	125	30,65	AU0898	5.5	x	1.5	x	125	45,95	AU1635	11.5	x	2.0	x	315	180,20
AU1587	3.8	x	1.2	x	160	32,50	AU1613	5.5	x	1.5	x	160	55,35	AU2924	11.5	x	2.0	x	400	298,00
AU1588	3.8	x	1.2	x	200	36,10	AU1614	5.5	x	1.5	x	200	58,05	AU1636	11.5	x	2.5	x	200	121,35
AU1590	4.5	x	1.0	x	80	30,65	AU0891	5.5	x	2.0	x	100	34,35	AU1637	11.5	x	2.5	x	250	154,90
AU1591	4.5	x	1.0	x	100	37,10	AU1616	5.5	x	2.0	x	125	42,25	AU1638	11.5	x	2.5	x	315	179,45
AU1592	4.5	x	1.0	x	125	45,95	AU1617	5.5	x	2.0	x	160	51,55							
AU1593	4.5	x	1.0	x	160	55,35	AU1618	5.5	x	2.0	x	200	55,70							
AU1594	4.5	x	1.0	x	200	56,60	AU1619	7.5	x	1.2	x	100	51,05							
AU1595	4.5	x	1.2	x	80	28,40	AU0899	7.5	x	1.2	x	125	61,20							
AU1596	4.5	x	1.2	x	100	35,35	AU1620	7.5	x	1.2	x	160	70,90							
AU1597	4.5	x	1.2	x	125	44,55	AU1621	7.5	x	1.2	x	200	79,70							
AU1598	4.5	x	1.2	x	160	52,05	AU1622	7.5	x	1.5	x	125	59,90							

Metric-Nitrided Flat Ejector Pins ISO 8693 WG 8770



l +1	1 -1,2
63.0	32.0
80.0	40.0
100.0	50.0
125.0	60.0
160.0	80.0
200.0	100.0
250.0	125.0
315.0	160.0

Precision ground hotwork steel

Surface nitrided to > 950 HV 0,3

Core Hardness 40-44 Rc

Part No.	ID	x	OD	x	L	Price
AU1639	3.5	x	1.0	x	60	28,55
AU1640	3.5	x	1.0	x	80	31,30
AU1641	3.5	x	1.0	x	100	34,10
AU1642	3.8	x	0.8	x	60	30,35
AU1643	3.8	x	0.8	x	80	33,15
AU1644	3.8	x	0.8	x	100	39,00
AU1645	3.8	x	0.8	x	125	40,65
AU1646	3.8	x	1.0	x	60	28,55
AU1647	3.8	x	1.0	x	80	31,30
AU1648	3.8	x	1.0	x	100	34,50
AU1649	3.8	x	1.0	x	125	36,80
AU1650	3.8	x	1.0	x	160	39,65
AU1651	3.8	x	1.2	x	80	30,35
AU1652	3.8	x	1.2	x	100	33,50
AU1653	3.8	x	1.2	x	125	35,80
AU1654	3.8	x	1.2	x	160	38,90
AU1655	4.5	x	1.0	x	80	33,50
AU1656	4.5	x	1.0	x	100	40,45
AU1657	4.5	x	1.0	x	125	50,10
AU1658	4.5	x	1.0	x	160	59,30
AU1659	4.5	x	1.2	x	80	30,70
AU1660	4.5	x	1.2	x	100	40,00
AU1661	4.5	x	1.2	x	125	48,75
AU1662	4.5	x	1.2	x	160	58,40
AU1663	4.5	x	1.5	x	100	38,90
AU1664	4.5	x	1.5	x	125	46,90
AU1665	4.5	x	1.5	x	160	56,60
AU1666	4.5	x	1.5	x	200	60,30

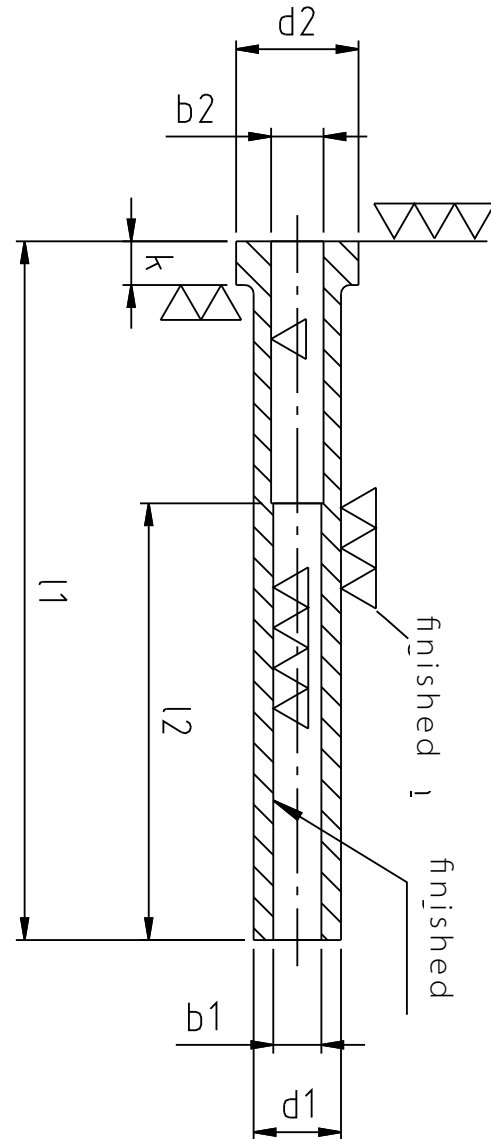
Part No.	ID	x	OD	x	L	Price
AU1667	5.5	x	1.0	x	80	36,30
AU1668	5.5	x	1.0	x	100	46,40
AU1669	5.5	x	1.0	x	125	56,05
AU1670	5.5	x	1.0	x	160	65,20
AU1671	5.5	x	1.2	x	80	34,95
AU1672	5.5	x	1.2	x	100	46,05
AU1673	5.5	x	1.2	x	125	55,60
AU1674	5.5	x	1.2	x	160	64,50
AU1675	5.5	x	1.5	x	100	44,70
AU1676	5.5	x	1.5	x	125	54,75
AU1677	5.5	x	1.5	x	160	63,40
AU1678	5.5	x	1.5	x	200	67,20
AU1679	5.5	x	2.0	x	125	51,00
AU1680	5.5	x	2.0	x	160	61,65
AU1681	5.5	x	2.0	x	200	64,85
AU1682	7.5	x	1.2	x	100	60,90
AU1683	7.5	x	1.2	x	125	73,60
AU1685	7.5	x	1.2	x	160	83,40
AU1686	7.5	x	1.2	x	200	93,15
AU1688	7.5	x	1.5	x	125	72,30
AU1689	7.5	x	1.5	x	160	81,95
AU1690	7.5	x	1.5	x	200	90,85
AU1691	7.5	x	1.5	x	250	99,10
AU1692	7.5	x	2.0	x	160	78,25
AU0875	7.5	x	2.0	x	200	86,35
AU0877	7.5	x	2.0	x	250	95,30
AU1693	7.5	x	2.0	x	200	86,35
AU1694	7.5	x	2.0	x	250	95,30

Part No.	ID	x	OD	x	L	Price
AU1695	7.5	x	2.0	x	315	102,10
AU0937	9.5	x	1.5	x	160	108,75
AU1696	9.5	x	1.5	x	200	122,90
AU1697	9.5	x	1.5	x	250	139,25
AU1698	9.5	x	1.5	x	315	166,85
AU1699	9.5	x	2.0	x	200	118,40
AU1700	9.5	x	2.0	x	250	134,10
AU1701	9.5	x	2.0	x	315	160,85
AU1702	9.5	x	2.0	x	400	184,00
AU1703	11.5	x	2.0	x	200	145,20
AU2564	11.5	x	2.0	x	250	179,45
AU1704	11.5	x	2.0	x	315	209,25
AU0936	11.5	x	2.0	x	400	260,70
AU2842	11.5	x	2.5	x	200	137,80
AU1706	11.5	x	2.5	x	250	172,80
AU1707	11.5	x	2.5	x	315	199,60
AU1708	11.5	x	2.5	x	400	249,45
AU1709	15.5	x	2.0	x	200	184,00
AU1710	15.5	x	2.0	x	250	230,90
AU1711	15.5	x	2.0	x	315	265,95
AU0962	15.5	x	2.0	x	400	330,70
AU1713	15.5	x	2.5	x	200	173,50
AU1714	15.5	x	2.5	x	250	219,00
AU1715	15.5	x	2.5	x	315	255,40
AU2777	15.5	x	2.5	x	400	319,50

Metric-Hardened Ejector Sleeves DIN 16756 WG 8790

Pins METRIC

d1 g6	b1 H5	b2 -0,1	d2 -0,2	k -0,05	l2
3.0	1.5	1.9	6	3	35
4.0	1.5	2.0	8	3	35
4.0	2.0	2.4	8	3	35
4.0	2.2	2.4	8	3	35
5.0	2.0	2.5	10	3	45
5.0	2.5	3.0	10	3	45
5.0	2.7	3.0	10	3	45
5.0	3.0	3.3	10	3	45
5.0	3.2	3.5	10	3	45
5.0	3.5	4.0	10	3	45
6.0	2.0	3.0	12	5	45
6.0	3.0	3.5	12	5	45
6.0	3.5	4.0	12	5	45
6.0	3.7	4.0	12	5	45
6.0	4.0	4.3	12	5	45
6.0	4.5	5.0	12	5	45
8.0	2.0	4.0	14	5	45
8.0	3.0	4.0	14	5	45
8.0	4.0	4.3	14	5	45
8.0	4.2	5.0	14	5	45
8.0	5.0	5.3	14	5	45
8.0	5.2	5.5	14	5	45
8.0	5.5	6.0	14	5	45
10.0	3.0	5.0	16	5	45
10.0	5.0	6.0	16	5	45
10.0	6.0	6.3	16	5	45
10.0	6.2	6.5	16	5	45
10.0	6.5	8.0	16	5	45
12.0	4.0	6.0	20	7	45
12.0	6.0	8.0	20	7	45
12.0	8.0	8.3	20	7	45
12.0	8.2	8.5	20	7	45
12.0	8.5	10.0	20	7	45
14.0	6.0	8.0	22	7	45
14.0	8.0	10.0	22	7	45
14.0	10.0	10.3	22	7	45
14.0	10.5	11.0	22	7	45
14.0	11.0	12.0	22	7	45
16.0	8.0	10.0	22	7	45
16.0	8.0	10.0	22	7	45
16.0	12.0	12.3	22	7	45
16.0	12.5	13.0	22	7	45
16.0	13.5	14.0	22	7	45
20.0	10.0	12.0	26	8	45
20.0	12.0	14.0	26	8	45
20.0	14.0	16.0	26	8	45



Precision hotwork steel

Hardness 60 Rc +/-2

Part No.	ID	x	OD	x	L	Price	Part No.	ID	x	OD	x	L	Price	Part No.	ID	x	OD	x	L	Price
AU1794	3	x	1.5	x	60	78,05	AU1809	4	x	1.5	x	175	136,00	AU1822	4	x	2.2	x	175	120,25
AU1795	3	x	1.5	x	75	82,30	AU1810	4	x	1.5	x	200	150,30	AU1823	4	x	2.2	x	200	136,00
AU1796	3	x	1.5	x	100	95,20	AU1811	4	x	1.5	x	225	167,50	AU1824	4	x	2.2	x	225	150,30
AU1797	3	x	1.5	x	125	110,25	AU1812	4	x	1.5	x	250	191,85	AU1825	4	x	2.2	x	250	167,50
AU1798	3	x	1.5	x	150	122,40	AU0907	4	x	2.0	x	60	67,30	AU1826	4	x	2.5	x	60	67,30
AU1799	3	x	1.5	x	175	136,00	AU0848	4	x	2.0	x	75	58,65	AU1827	4	x	2.5	x	75	70,90
AU1800	3	x	1.6	x	60	78,05	AU0858	4	x	2.0	x	100	81,60	AU2565	4	x	2.5	x	100	81,60
AU0876	3	x	1.6	x	75	82,30	AU1813	4	x	2.0	x	125	89,50	AU1828	4	x	2.5	x	125	89,50
AU1801	3	x	1.6	x	100	95,20	AU1814	4	x	2.0	x	150	100,20	AU1829	4	x	2.5	x	150	100,20
AU1802	3	x	1.6	x	125	110,25	AU1815	4	x	2.0	x	175	120,25	AU1830	4	x	2.5	x	175	120,25
AU1803	3	x	1.6	x	150	122,40	AU1816	4	x	2.0	x	200	136,00	AU1831	4	x	2.5	x	200	136,00
AU1804	3	x	1.6	x	175	136,00	AU1817	4	x	2.0	x	225	150,30	AU1832	4	x	2.5	x	225	150,30
AU3111	3	x	1.8	x	125	127,40	AU2778	4	x	2.0	x	250	167,50	AU1833	4	x	2.5	x	250	167,50
AU2561	4	x	1.5	x	60	78,05	AU1818	4	x	2.2	x	60	67,30	AU1834	5	x	2.0	x	60	67,30
AU1805	4	x	1.5	x	75	82,30	AU1819	4	x	2.2	x	75	70,90	AU1835	5	x	2.0	x	75	70,90
AU1806	4	x	1.5	x	100	95,20	AU0859	4	x	2.2	x	100	81,60	AU1836	5	x	2.0	x	100	81,60
AU1807	4	x	1.5	x	125	110,25	AU1820	4	x	2.2	x	125	89,50	AU1837	5	x	2.0	x	125	89,50
AU1808	4	x	1.5	x	150	122,40	AU1821	4	x	2.2	x	150	100,20	AU1838	5	x	2.0	x	150	100,20

Prices are subject to change at anytime without notice. Not responsible for any possible print errors.



Metric-Hardened Ejector Sleeves DIN 16756

WG 8790

Part No.	ID	x	OD	x	L	Price	Part No.	ID	x	OD	x	L	Price	Part No.	ID	x	OD	x	L	Price
AU1839	5	x	2.0	x	175	120,25	AU3105	5.5	x	3.5	x	225	150,30	AU1944	6	x	4.5	x	250	158,90
AU1840	5	x	2.0	x	200	136,00	AU3048	5.5	x	3.5	x	180	127,00	AU1945	6	x	4.5	x	275	171,80
AU1841	5	x	2.0	x	225	150,30	AU1889	6	x	2.0	x	60	65,85	AU1946	6	x	4.5	x	300	184,00
AU1842	5	x	2.0	x	250	167,50	AU1890	6	x	2.0	x	75	69,45	AU3044	7	x	4.5	x	175	132,00
AU1843	5	x	2.0	x	275	180,40	AU1891	6	x	2.0	x	100	79,45	AU3052	7	x	4.5	x	200	135,00
AU2779	5	x	2.0	x	300	196,15	AU1892	6	x	2.0	x	125	88,05	AU3085	7	x	4.5	x	280	153,40
AU1844	5	x	2.5	x	60	67,30	AU1893	6	x	2.0	x	150	98,80	AU1947	8	x	2.0	x	60	67,30
AU1845	5	x	2.5	x	75	70,90	AU1894	6	x	2.0	x	175	110,25	AU1948	8	x	2.0	x	75	70,90
AU1846	5	x	2.5	x	100	81,60	AU1895	6	x	2.0	x	200	132,45	AU1949	8	x	2.0	x	100	81,60
AU1792	5	x	2.5	x	125	89,50	AU1896	6	x	2.0	x	225	150,30	AU1950	8	x	2.0	x	125	89,50
AU1847	5	x	2.5	x	150	100,20	AU1897	6	x	2.0	x	250	167,50	AU1951	8	x	2.0	x	150	100,20
AU1848	5	x	2.5	x	175	120,25	AU2785	6	x	2.0	x	275	180,40	AU1952	8	x	2.0	x	175	111,70
AU1849	5	x	2.5	x	200	136,00	AU2786	6	x	2.0	x	300	191,85	AU1953	8	x	2.0	x	200	122,40
AU1850	5	x	2.5	x	225	150,30	AU1898	6	x	3.0	x	60	65,85	AU1954	8	x	2.0	x	225	141,75
AU1851	5	x	2.5	x	250	167,50	AU1899	6	x	3.0	x	75	69,45	AU1955	8	x	2.0	x	250	158,90
AU1852	5	x	2.5	x	275	180,40	AU1900	6	x	3.0	x	100	79,45	AU1956	8	x	2.0	x	275	171,80
AU2780	5	x	2.5	x	300	196,15	AU0892	6	x	3.0	x	125	88,05	AU1957	8	x	2.0	x	300	184,00
AU1853	5	x	2.7	x	60	67,30	AU1791	6	x	3.0	x	150	98,80	AU1958	8	x	2.0	x	325	196,85
AU0838	5	x	2.7	x	75	70,90	AU1901	6	x	3.0	x	175	110,25	AU1959	8	x	3.0	x	60	67,30
AU1854	5	x	2.7	x	100	81,60	AU1902	6	x	3.0	x	200	132,45	AU1960	8	x	3.0	x	75	70,90
AU1855	5	x	2.7	x	125	89,50	AU1903	6	x	3.0	x	225	150,30	AU1961	8	x	3.0	x	100	81,60
AU1856	5	x	2.7	x	150	100,20	AU1904	6	x	3.0	x	250	167,50	AU1962	8	x	3.0	x	125	89,50
AU1857	5	x	2.7	x	175	120,25	AU1905	6	x	3.0	x	275	180,40	AU1963	8	x	3.0	x	150	100,20
AU1858	5	x	2.7	x	200	136,00	AU1906	6	x	3.0	x	300	191,85	AU1964	8	x	3.0	x	175	111,70
AU1859	5	x	2.7	x	225	150,30	AU1908	6	x	3.5	x	60	65,85	AU1965	8	x	3.0	x	200	122,40
AU1860	5	x	2.7	x	250	167,50	AU1909	6	x	3.5	x	75	69,45	AU1966	8	x	3.0	x	225	141,75
AU1861	5	x	2.7	x	275	180,40	AU1910	6	x	3.5	x	100	79,45	AU1967	8	x	3.0	x	250	158,90
AU2781	5	x	2.7	x	300	196,15	AU1911	6	x	3.5	x	125	88,05	AU1968	8	x	3.0	x	275	171,80
AU1862	5	x	3.0	x	60	65,85	AU0834	6	x	3.5	x	150	98,80	AU1969	8	x	3.0	x	300	184,00
AU1863	5	x	3.0	x	75	69,45	AU1913	6	x	3.5	x	200	132,45	AU1970	8	x	3.0	x	325	196,85
AU2782	5	x	3.0	x	100	79,45	AU1914	6	x	3.5	x	225	150,30	AU1971	8	x	4.0	x	60	67,25
AU1864	5	x	3.0	x	125	88,05	AU1915	6	x	3.5	x	250	167,50	AU1972	8	x	4.0	x	75	70,90
AU3113	5	x	3.0	x	140	96,00	AU0840	6	x	3.5	x	275	180,40	AU1973	8	x	4.0	x	100	81,60
AU0961	5	x	3.0	x	150	98,80	AU1916	6	x	3.5	x	300	191,85	AU1974	8	x	4.0	x	125	89,50
AU3080	5	x	3.0	x	160	110,25	AU1917	6	x	3.7	x	60	65,85	AU1975	8	x	4.0	x	150	100,20
AU1865	5	x	3.0	x	175	110,25	AU1918	6	x	3.7	x	75	69,45	AU1976	8	x	4.0	x	175	111,70
AU1866	5	x	3.0	x	200	132,45	AU1919	6	x	3.7	x	100	79,45	AU1977	8	x	4.0	x	200	122,40
AU1867	5	x	3.0	x	225	150,30	AU1920	6	x	3.7	x	125	88,05	AU1978	8	x	4.0	x	225	141,60
AU1868	5	x	3.0	x	250	167,50	AU1921	6	x	3.7	x	150	98,80	AU1979	8	x	4.0	x	250	158,90
AU1869	5	x	3.0	x	275	180,40	AU1922	6	x	3.7	x	175	110,25	AU1980	8	x	4.0	x	275	171,80
AU2783	5	x	3.0	x	300	196,15	AU1923	6	x	3.7	x	200	132,45	AU1981	8	x	4.0	x	300	184,00
AU1870	5	x	3.2	x	60	65,85	AU1924	6	x	3.7	x	225	150,30	AU1982	8	x	4.0	x	325	196,85
AU0837	5	x	3.2	x	75	69,45	AU1925	6	x	3.7	x	250	167,50	AU1984	8	x	4.2	x	60	67,30
AU1871	5	x	3.2	x	100	79,45	AU1926	6	x	3.7	x	275	180,40	AU1985	8	x	4.2	x	75	70,90
AU1872	5	x	3.2	x	125	88,05	AU1927	6	x	3.7	x	300	191,85	AU1986	8	x	4.2	x	100	81,60
AU1873	5	x	3.2	x	150	98,80	AU1928	6	x	4.0	x	60	67,30	AU1001	8	x	4.2	x	125	89,50
AU1874	5	x	3.2	x	175	110,25	AU1929	6	x	4.0	x	75	70,90	AU1988	8	x	4.2	x	150	100,20
AU1875	5	x	3.2	x	200	132,45	AU1930	6	x	4.0	x	100	81,60	AU1989	8	x	4.2	x	175	111,70
AU1876	5	x	3.2	x	225	150,30	AU1931	6	x	4.0	x	125	89,50	AU1990	8	x	4.2	x	200	122,40
AU1877	5	x	3.2	x	250	167,50	AU0842	6	x	4.0	x	150	82,95	AU1991	8	x	4.2	x	225	141,75
AU1878	5	x	3.2	x	275	180,40	AU0851	6	x	4.0	x	175	92,30	AU1992	8	x	4.2	x	250	158,90
AU2784	5	x	3.2	x	300	196,15	AU1933	6	x	4.0	x	200	122,40	AU1993	8	x	4.2	x	275	171,80
AU1879	5	x	3.5	x	60	65,85	AU1934	6	x	4.0	x	225	141,75	AU1994	8	x	4.2	x	300	184,00
AU1880	5	x	3.5	x	75	69,45	AU1935	6	x	4.0	x	250	158,90	AU1995	8	x	4.2	x	325	196,85
AU1881	5	x	3.5	x	100	79,45	AU1936	6	x	4.0	x	275	171,80	AU1996	8	x	5.0	x	60	71,60
AU1882	5	x	3.5	x	125	88,05	AU1937	6	x	4.0	x	300	184,00	AU1997	8	x	5.0	x	75	76,60
AU1883	5	x	3.5	x	150	98,80	AU3084	6	x	4.0	x	315	189,60	AU1998	8	x	5.0	x	100	81,60
AU18184	5	x	3.5	x	175	109,40	AU2549	6	x	4.0	x	325	210,00	AU1999	8	x	5.0	x	125	94,50
AU1885	5	x	3.5	x	200	132,45	AU1938	6	x	4.5	x	60	67,30	AU2000	8	x	5.0	x	150	104,50
AU1886	5	x	3.5	x	225	150,30	AU1939	6	x	4.5	x	75	70,90	AU2001	8	x	5.0	x	175	113,80
AU1887	5	x	3.5	x	250	167,50	AU0958	6	x	4.5	x	100	81,60	AU2002	8	x	5.0	x	200	124,55
AU1888	5	x	3.5	x	275	180,40	AU0857	6	x	4.5	x	125	89,50	AU2003	8	x	5.0	x	225	141,75
AU2787	5	x	3.5	x	300	196,15	AU1940	6	x	4.5	x	150	100,20	AU20012	8	x	5.0	x	250	158,90
AU3112	5.5	x	3.5	x	140	96,00	AU1941	6	x	4.5	x	175	111,70	AU2013	8	x	5.0	x	275	171,80
AU3091	5.5	x	3.5	x	160	116,00	AU1942	6	x	4.5	x	200	122,40	AU2014	8	x	5.0	x	300	184,00
AU3104	5.5	x	3.5	x	200	132,45	AU1943	6	x	4.5	x	225	141,75	AU2015	8	x	5.0	x	325	196,85



Metric-Hardened Ejector Sleeves DIN 16756

WG 8790

Pins METRIC

Part No.	ID	x	OD	x	L	Price	Part No.	ID	x	OD	x	L	Price	Part No.	ID	x	OD	x	L	Price
AU2016	8	x	5.2	x	60	71,60	AU2077	10	x	6.0	x	350	206,15	AU0966	12	x	8.0	x	125	82,35
AU2017	8	x	5.2	x	75	76,60	AU2078	10	x	6.2	x	60	74,45	AU2133	12	x	8.0	x	150	89,00
AU2018	8	x	5.2	x	100	85,90	AU2079	10	x	6.2	x	75	79,45	AU0918	12	x	8.0	x	175	99,20
AU2019	8	x	5.2	x	125	94,50	AU0957	10	x	6.2	x	100	88,05	AU2134	12	x	8.0	x	200	128,85
AU2020	8	x	5.2	x	150	104,50	AU0959	10	x	6.2	x	125	97,35	AU2135	12	x	8.0	x	225	143,90
AU2021	8	x	5.2	x	175	113,80	AU2081	10	x	6.2	x	150	107,40	AU2136	12	x	8.0	x	250	158,90
AU2022	8	x	5.2	x	200	124,55	AU2082	10	x	6.2	x	175	116,70	AU2137	12	x	8.0	x	275	171,80
AU2023	8	x	5.2	x	225	141,75	AU2083	10	x	6.2	x	200	127,40	AU2138	12	x	8.0	x	300	184,00
AU2512	8	x	5.2	x	250	158,90	AU2084	10	x	6.2	x	225	141,75	AU2139	12	x	8.0	x	325	196,85
AU2024	8	x	5.2	x	275	171,80	AU2085	10	x	6.2	x	250	154,60	AU2140	12	x	8.0	x	350	211,90
AU2025	8	x	5.2	x	300	184,00	AU2086	10	x	6.2	x	275	166,10	AU2141	12	x	8.0	x	400	240,50
AU2026	8	x	5.2	x	325	196,85	AU2087	10	x	6.2	x	300	180,40	AU2142	12	x	8.2	x	60	75,90
AU2027	8	x	5.5	x	60	71,60	AU2088	10	x	6.2	x	325	191,85	AU2143	12	x	8.2	x	75	81,60
AU2028	8	x	5.5	x	75	76,60	AU2089	10	x	6.2	x	350	206,15	AU2144	12	x	8.2	x	100	89,50
AU2029	8	x	5.5	x	100	85,90	AU2090	10	x	6.5	x	60	74,45	AU2145	12	x	8.2	x	125	99,50
AU2030	8	x	5.5	x	125	94,50	AU2091	10	x	6.5	x	75	79,45	AU2146	12	x	8.2	x	150	110,25
AU2031	8	x	5.5	x	150	104,50	AU2092	10	x	6.5	x	100	88,05	AU2147	12	x	8.2	x	175	120,25
AU2032	8	x	5.5	x	175	113,80	AU2093	10	x	6.5	x	125	97,35	AU2148	12	x	8.2	x	200	128,85
AU2033	8	x	5.5	x	200	124,55	AU2094	10	x	6.5	x	150	107,40	AU2149	12	x	8.2	x	225	143,90
AU2034	8	x	5.5	x	225	141,75	AU2095	10	x	6.5	x	175	116,70	AU2150	12	x	8.2	x	250	158,90
AU2035	8	x	5.5	x	250	158,90	AU2096	10	x	6.5	x	200	127,40	AU2151	12	x	8.2	x	275	171,80
AU2036	8	x	5.5	x	275	171,80	AU2097	10	x	6.5	x	225	141,75	AU2152	12	x	8.2	x	300	184,00
AU2037	8	x	5.5	x	300	184,00	AU2098	10	x	6.5	x	250	154,60	AU2153	12	x	8.2	x	325	196,85
AU2038	8	x	5.5	x	325	196,85	AU2099	10	x	6.5	x	275	166,10	AU2154	12	x	8.2	x	350	211,90
AU3109	9	x	6.0	x	180	116,70	AU2100	10	x	6.5	x	300	180,40	AU2155	12	x	8.2	x	400	240,50
AU3012	9	x	6.0	x	200	147,00	AU2101	10	x	6.5	x	325	191,85	AU2156	12	x	8.5	x	60	75,90
AU2039	10	x	3.0	x	60	74,45	AU2102	10	x	6.5	x	350	206,15	AU2157	12	x	8.5	x	75	81,60
AU2040	10	x	3.0	x	75	79,45	AU2955	10	x	7.0	x	100	88,05	AU2158	12	x	8.5	x	100	89,50
AU2041	10	x	3.0	x	100	88,05	AU2962	10	x	7.0	x	150	113,80	AU2159	12	x	8.5	x	125	99,50
AU2042	10	x	3.0	x	125	97,35	AU2813	10	x	7.0	x	200	127,40	AU2160	12	x	8.5	x	150	110,25
AU2043	10	x	3.0	x	150	107,40	AU3020	10	x	7.0	x	250	162,00	AU2162	12	x	8.5	x	175	120,25
AU2044	10	x	3.0	x	175	116,70	AU3100	11	x	8.0	x	125	82,35	AU3047	12	x	8.5	x	180	124,00
AU2045	10	x	3.0	x	200	127,40	AU2103	12	x	4.0	x	60	75,90	AU2163	12	x	8.5	x	200	128,85
AU2046	10	x	3.0	x	225	141,75	AU2104	12	x	4.0	x	75	81,60	AU2164	12	x	8.5	x	225	143,90
AU2047	10	x	3.0	x	250	154,60	AU2105	12	x	4.0	x	100	89,50	AU2165	12	x	8.5	x	250	158,90
AU2048	10	x	3.0	x	275	166,10	AU2106	12	x	4.0	x	125	99,50	AU2166	12	x	8.5	x	275	171,80
AU2049	10	x	3.0	x	300	180,40	AU2107	12	x	4.0	x	150	110,25	AU2167	12	x	8.5	x	300	184,00
AU2050	10	x	3.0	x	325	191,85	AU2108	12	x	4.0	x	175	120,25	AU2168	12	x	8.5	x	325	196,85
AU2957	10	x	4.0	x	60	74,45	AU2109	12	x	4.0	x	200	128,85	AU2169	12	x	8.5	x	350	211,90
AU2959	10	x	4.0	x	125	97,35	AU2110	12	x	4.0	x	225	143,90	AU2170	12	x	8.5	x	400	240,50
AU2972	10	x	4.0	x	350	212,00	AU2111	12	x	4.0	x	250	158,90	AU3022	12	x	9.0	x	100	96,90
AU2052	10	x	5.0	x	60	74,45	AU2112	12	x	4.0	x	275	171,80	AU2950	12	x	9.0	x	200	138,00
AU2053	10	x	5.0	x	75	79,45	AU2113	12	x	4.0	x	300	184,00	AU2648	12	x	9.0	x	250	162,00
AU2054	10	x	5.0	x	100	88,05	AU2114	12	x	4.0	x	325	196,85	AU2171	14	x	6.0	x	75	84,50
AU2055	10	x	5.0	x	125	97,35	AU2115	12	x	4.0	x	350	211,90	AU2172	14	x	6.0	x	100	93,05
AU2056	10	x	5.0	x	150	107,40	AU2116	12	x	4.0	x	400	240,50	AU2173	14	x	6.0	x	125	101,65
AU2057	10	x	5.0	x	175	116,70	AU3026	12	x	5.0	x	100	92,80	AU2174	14	x	6.0	x	150	115,90
AU2058	10	x	5.0	x	200	127,40	AU2117	12	x	6.0	x	60	75,90	AU2175	14	x	6.0	x	175	122,40
AU2059	10	x	5.0	x	225	141,75	AU2118	12	x	6.0	x	75	81,60	AU2176	14	x	6.0	x	200	133,25
AU2060	10	x	5.0	x	250	154,60	AU2119	12	x	6.0	x	100	89,50	AU2177	14	x	6.0	x	225	148,20
AU2061	10	x	5.0	x	275	166,10	AU2120	12	x	6.0	x	125	99,50	AU2178	14	x	6.0	x	250	163,90
AU2062	10	x	5.0	x	300	180,40	AU2121	12	x	6.0	x	150	110,25	AU2179	14	x	6.0	x	275	176,80
AU2063	10	x	5.0	x	325	191,85	AU2122	12	x	6.0	x	175	120,25	AU2180	14	x	6.0	x	300	188,25
AU2064	10	x	5.0	x	350	206,15	AU2123	12	x	6.0	x	200	128,85	AU2181	14	x	6.0	x	325	202,60
AU2065	10	x	6.0	x	60	74,45	AU2124	12	x	6.0	x	225	143,90	AU2182	14	x	6.0	x	350	215,45
AU2066	10	x	6.0	x	75	79,45	AU2125	12	x	6.0	x	250	158,90	AU2183	14	x	6.0	x	400	240,50
AU2067	10	x	6.0	x	100	88,05	AU2126	12	x	6.0	x	275	171,80	AU2184	14	x	8.0	x	75	84,50
AU2068	10	x	6.0	x	125	97,35	AU2127	12	x	6.0	x	300	184,00	AU2185	14	x	8.0	x	100	93,05
AU2069	10	x	6.0	x	150	107,40	AU2128	12	x	6.0	x	325	196,85	AU2186	14	x	8.0	x	125	101,65
AU2070	10	x	6.0	x	175	116,70	AU2129	12	x	6.0	x	350	211,90	AU2187	14	x	8.0	x	150	115,90
AU2071	10	x	6.0	x	200	127,40	AU2130	12	x	6.0	x	400	240,50	AU2188	14	x	8.0	x	175	122,40
AU2072	10	x	6.0	x	225	141,75	AU3029	12	x	7.0	x	200	134,20	AU2189	14	x	8.0	x	200	133,25
AU2073	10	x	6.0	x	250	154,60	AU3039	12	x	7.0	x	225	144,40	AU2190	14	x	8.0	x	225	148,20
AU2074	10	x	6.0	x	275	166,10	AU2131	12	x	8.0	x	60	75,90	AU2191	14	x	8.0	x	250	163,90
AU2075	10	x	6.0	x	300	180,40	AU1793	12	x	8.0	x	75	67,35	AU2192	14	x	8.0	x	275	176,80
AU2076	10	x	6.0	x	325	191,85	AU2132	12	x	8.0	x	100	89,50	AU2193	14	x	8.0	x	300	188,25



Metric-Hardened Ejector Sleeves DIN 16756

WG 8790

Part No.	ID	x	OD	x	L	Price
AU2194	14	x	8.0	x	325	202,60
AU2195	14	x	8.0	x	350	215,45
AU2196	14	x	8.0	x	400	240,50
AU2197	14	x	8.0	x	450	264,85
AU3102	14	x	9.0	x	125	112,00
AU2198	14	x	10.0	x	75	84,50
AU2199	14	x	10.0	x	100	93,05
AU2200	14	x	10.0	x	125	101,65
AU2201	14	x	10.0	x	150	115,90
AU3075	14	x	10.0	x	160	122,40
AU2202	14	x	10.0	x	175	122,40
AU2203	14	x	10.0	x	200	133,25
AU2204	14	x	10.0	x	225	148,20
AU2205	14	x	10.0	x	250	163,90
AU2206	14	x	10.0	x	275	176,80
AU2207	14	x	10.0	x	300	188,25
AU2208	14	x	10.0	x	325	202,60
AU2209	14	x	10.0	x	350	215,45
AU2210	14	x	10.0	x	400	240,50
AU2211	14	x	10.0	x	450	264,85
AU2212	14	x	10.5	x	75	84,50
AU2213	14	x	10.5	x	100	93,05
AU2214	14	x	10.5	x	125	101,65
AU2215	14	x	10.5	x	150	115,90
AU2216	14	x	10.5	x	175	122,40
AU2217	14	x	10.5	x	200	133,25
AU2218	14	x	10.5	x	225	148,20
AU2219	14	x	10.5	x	250	163,90
AU2220	14	x	10.5	x	275	176,80
AU2221	14	x	10.5	x	300	188,25
AU2222	14	x	10.5	x	325	202,60
AU2223	14	x	10.5	x	350	215,45
AU2224	14	x	10.5	x	400	240,50
AU2225	14	x	10.5	x	450	264,85
AU2226	14	x	11.0	x	75	84,50
AU2227	14	x	11.0	x	100	93,05
AU2228	14	x	11.0	x	125	101,65
AU2229	14	x	11.0	x	150	115,90
AU2230	14	x	11.0	x	175	122,40
AU2231	14	x	11.0	x	200	133,25
AU2232	14	x	11.0	x	225	148,20
AU2233	14	x	11.0	x	250	163,90
AU2234	14	x	11.0	x	275	176,80
AU2235	14	x	11.0	x	300	188,25
AU2236	14	x	11.0	x	325	202,60
AU2237	14	x	11.0	x	350	215,45
AU2238	14	x	11.0	x	400	240,50
AU2239	14	x	11.0	x	450	264,85
AU2240	16	x	8.0	x	75	85,90
AU2241	16	x	8.0	x	100	94,50
AU2243	16	x	8.0	x	125	104,50
AU2244	16	x	8.0	x	150	113,80
AU2245	16	x	8.0	x	175	124,55
AU2246	16	x	8.0	x	200	133,25
AU2247	16	x	8.0	x	225	148,20
AU2248	16	x	8.0	x	250	163,90
AU2249	16	x	8.0	x	275	176,80
AU2250	16	x	8.0	x	300	188,25
AU2251	16	x	8.0	x	325	202,60
AU2252	16	x	8.0	x	350	215,45
AU2253	16	x	8.0	x	400	240,50
AU2254	16	x	8.0	x	450	264,85
AU2255	16	x	8.0	x	500	288,50
AU2256	16	x	10.0	x	75	85,90
AU2257	16	x	10.0	x	100	94,50
AU2258	16	x	10.0	x	125	104,50

Part No.	ID	x	OD	x	L	Price
AU2259	16	x	10.0	x	150	113,80
AU2260	16	x	10.0	x	175	124,55
AU2261	16	x	10.0	x	200	133,25
AU2262	16	x	10.0	x	225	148,20
AU2263	16	x	10.0	x	250	163,90
AU2264	16	x	10.0	x	275	176,80
AU2265	16	x	10.0	x	300	188,25
AU2266	16	x	10.0	x	325	202,60
AU2267	16	x	10.0	x	350	215,45
AU2268	16	x	10.0	x	400	240,50
AU2269	16	x	10.0	x	450	264,85
AU2270	16	x	10.0	x	500	288,50
AU2271	16	x	12.0	x	75	85,90
AU0972	16	x	12.0	x	100	94,50
AU2272	16	x	12.0	x	125	104,50
AU2273	16	x	12.0	x	150	113,80
AU2274	16	x	12.0	x	175	124,55
AU2275	16	x	12.0	x	200	133,25
AU2276	16	x	12.0	x	225	148,20
AU2277	16	x	12.0	x	250	163,90
AU2278	16	x	12.0	x	275	176,80
AU2279	16	x	12.0	x	300	188,25
AU2280	16	x	12.0	x	325	202,60
AU2281	16	x	12.0	x	350	215,45
AU2282	16	x	12.0	x	400	240,50
AU2283	16	x	12.0	x	450	264,85
AU2284	16	x	12.0	x	500	288,50
AU2285	16	x	12.5	x	75	85,90
AU2286	16	x	12.5	x	100	94,50
AU2287	16	x	12.5	x	125	104,50
AU2288	16	x	12.5	x	150	113,80
AU0967	16	x	12.5	x	175	124,55
AU2289	16	x	12.5	x	200	133,25
AU2290	16	x	12.5	x	225	148,20
AU2291	16	x	12.5	x	250	163,90
AU2292	16	x	12.5	x	275	176,80
AU2293	16	x	12.5	x	300	188,25
AU2294	16	x	12.5	x	325	202,60
AU2295	16	x	12.5	x	350	215,45
AU2296	16	x	12.5	x	400	240,50
AU2297	16	x	12.5	x	450	264,85
AU2298	16	x	12.5	x	500	288,50
AU2299	16	x	13.5	x	75	85,90
AU2300	16	x	13.5	x	100	94,50
AU2301	16	x	13.5	x	125	104,50
AU2302	16	x	13.5	x	150	113,80
AU2303	16	x	13.5	x	175	124,55
AU2304	16	x	13.5	x	200	133,25
AU2305	16	x	13.5	x	225	148,20
AU2306	16	x	13.5	x	250	163,90
AU2307	16	x	13.5	x	275	176,80
AU2308	16	x	13.5	x	300	188,25
AU2309	16	x	13.5	x	325	202,60
AU2310	16	x	13.5	x	350	215,45
AU2311	16	x	13.5	x	400	240,50
AU2312	16	x	13.5	x	450	264,85
AU2313	16	x	13.5	x	500	288,50
AU2314	20	x	10.0	x	100	98,80
AU2315	20	x	10.0	x	150	118,10
AU2316	20	x	10.0	x	200	138,15
AU2317	20	x	10.0	x	250	168,20
AU2318	20	x	10.0	x	300	193,30
AU2319	20	x	10.0	x	350	219,05
AU2321	20	x	12.0	x	100	98,80
AU2322	20	x	12.0	x	150	118,10
AU2323	20	x	12.0	x	200	138,15

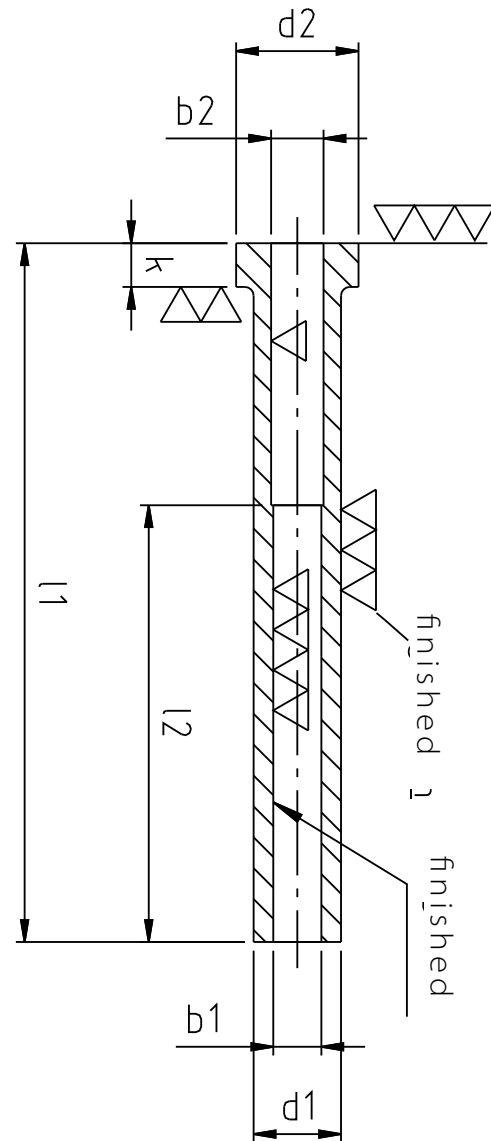
Part No.	ID	x	OD	x	L	Price
AU2324	20	x	12.0	x	250	168,20
AU2325	20	x	12.0	x	300	193,30
AU2326	20	x	12.0	x	350	219,05
AU2328	20	x	14.0	x	100	98,80
AU2329	20	x	14.0	x	150	118,10
AU2330	20	x	14.0	x	200	138,15
AU2331	20	x	14.0	x	250	168,20
AU2332	20	x	14.0	x	300	193,30
AU2333	20	x	14.0	x	350	219,05

Metric-Nitrided Ejector Sleeves DIN 16756

WG 8780

Pins METRIC

d1 g6	b1 H5	b2 -0,1	d2 -0,2	k -0,05	l2
3.0	1.5	1.9	6	3	35
4.0	1.5	2.0	8	3	35
4.0	2.0	2.4	8	3	35
4.0	2.2	2.4	8	3	35
5.0	2.0	2.5	10	3	45
5.0	2.5	3.0	10	3	45
5.0	2.7	3.0	10	3	45
5.0	3.0	3.3	10	3	45
5.0	3.2	3.5	10	3	45
5.0	3.5	4.0	10	3	45
6.0	2.0	3.0	12	5	45
6.0	3.0	3.5	12	5	45
6.0	3.5	4.0	12	5	45
6.0	3.7	4.0	12	5	45
6.0	4.0	4.3	12	5	45
6.0	4.5	5.0	12	5	45
8.0	2.0	4.0	14	5	45
8.0	3.0	4.0	14	5	45
8.0	4.0	4.3	14	5	45
8.0	4.2	5.0	14	5	45
8.0	5.0	5.3	14	5	45
8.0	5.2	5.5	14	5	45
8.0	5.5	6.0	14	5	45
10.0	3.0	5.0	16	5	45
10.0	5.0	6.0	16	5	45
10.0	6.0	6.3	16	5	45
10.0	6.2	6.5	16	5	45
10.0	6.5	8.0	16	5	45
12.0	4.0	6.0	20	7	45
12.0	6.0	8.0	20	7	45
12.0	8.0	8.3	20	7	45
12.0	8.2	8.5	20	7	45
12.0	8.5	10.0	20	7	45
14.0	6.0	8.0	22	7	45
14.0	8.0	10.0	22	7	45
14.0	10.0	10.3	22	7	45
14.0	10.5	11.0	22	7	45
14.0	11.0	12.0	22	7	45
16.0	8.0	10.0	22	7	45
16.0	12.0	12.3	22	7	45
16.0	12.5	13.0	22	7	45
16.0	13.5	14.0	22	7	45
20.0	10.0	12.0	26	8	45
20.0	12.0	14.0	26	8	45
20.0	14.0	16.0	26	8	45



■ Precision ground hotwork steel

■ Surface nitrided to > 950 HV 0,3

Part No.	ID	x	OD	x	L	Price	Part No.	ID	x	OD	x	L	Price	Part No.	ID	x	OD	x	L	Price
AU2335	3	x	1.6	x	75	102,35	AU2352	5	x	2.5	x	75	69,90	AU2367	5	x	3.2	x	75	72,30
AU2336	3	x	1.6	x	100	113,80	AU2353	5	x	2.5	x	100	85,20	AU2368	5	x	3.2	x	100	83,75
AU2337	3	x	1.6	x	125	127,40	AU2788	5	x	2.5	x	125	95,20	AU2369	5	x	3.2	x	125	93,80
AU2338	3	x	1.6	x	150	142,45	AU2355	5	x	2.5	x	150	104,50	AU2370	5	x	3.2	x	150	101,65
AU2339	4	x	1.5	x	80	99,50	AU2356	5	x	2.5	x	175	126,00	AU2371	5	x	3.2	x	175	113,10
AU2340	4	x	1.5	x	110	113,80	AU2789	5	x	2.5	x	200	141,75	AU2372	5	x	3.2	x	200	138,15
AU2341	4	x	1.5	x	125	127,40	AU2357	5	x	2.7	x	75	75,90	AU2766	5	x	3.2	x	225	156,05
AU2342	4	x	2.0	x	75	75,90	AU2358	5	x	2.7	x	100	85,20	AU3010	5	x	3.2	x	250	173,00
AU0846	4	x	2.0	x	100	85,20	AU2359	5	x	2.7	x	125	95,20	AU2996	5.5	x	3.5	x	125	102,00
AU2343	4	x	2.0	x	125	95,20	AU2360	5	x	2.7	x	150	104,50	AU2373	6	x	3.5	x	75	72,30
AU2344	4	x	2.0	x	150	104,50	AU2765	5	x	2.7	x	175	126,00	AU2374	6	x	3.5	x	100	83,75
AU2345	4	x	2.0	x	175	126,00	AU2361	5	x	3.0	x	75	72,30	AU2375	6	x	3.5	x	125	93,80
AU2346	4	x	2.0	x	200	141,75	AU2362	5	x	3.0	x	100	83,75	AU2376	6	x	3.5	x	150	101,65
AU2347	4	x	2.2	x	75	75,90	AU2363	5	x	3.0	x	125	93,80	AU2377	6	x	3.5	x	175	113,10
AU2348	4	x	2.2	x	100	85,20	AU2364	5	x	3.0	x	150	101,65	AU2767	6	x	3.5	x	200	138,15
AU2349	4	x	2.2	x	125	95,20	AU2365	5	x	3.0	x	175	113,10	AU2378	6	x	3.7	x	75	72,30
AU2350	4	x	2.2	x	150	104,50	AU2366	5	x	3.0	x	200	138,15	AU2379	6	x	3.7	x	100	83,75
AU2351	4	x	2.2	x	175	126,00	AU3009	5	x	3.0	x	225	159,00	AU2380	6	x	3.7	x	125	93,80

Prices are subject to change at anytime without notice. Not responsible for any possible print errors.



Metric-Nitrided Ejector Sleeves DIN 16756

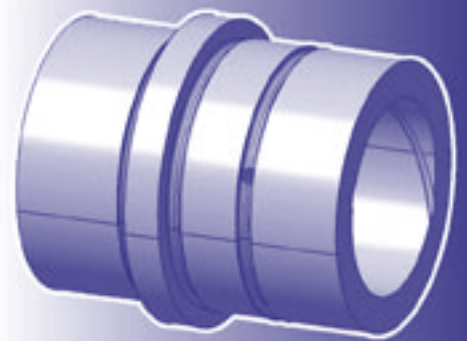
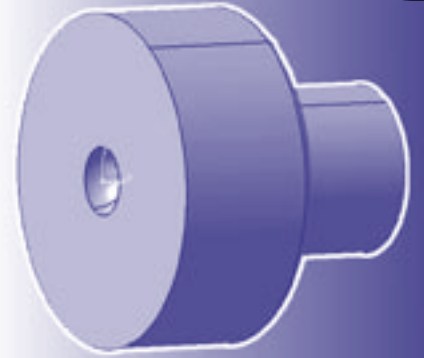
WG 8780

Part No.	ID	x	OD	x	L	Price	Part No.	ID	x	OD	x	L	Price
AU2381	6	x	3.7	x	150	101,65	AU0852	12	x	8.20	x	75	89,50
AU2382	6	x	3.7	x	175	113,10	AU2435	12	x	8.20	x	100	100,95
AU2383	6	x	4.0	x	75	80,90	AU0854	12	x	8.20	x	125	110,25
AU2384	6	x	4.0	x	100	88,75	AU2436	12	x	8.20	x	150	120,25
AU2385	6	x	4.0	x	125	99,50	AU0855	12	x	8.20	x	175	129,55
AU2386	6	x	4.0	x	150	110,25	AU2437	12	x	8.20	x	200	139,60
AU2387	6	x	4.0	x	175	113,10	AU2438	12	x	8.20	x	225	149,60
AU2388	6	x	4.0	x	200	129,55	AU2439	12	x	8.20	x	250	160,35
AU2389	6	x	4.0	x	225	147,45	AU2770	14	x	10.00	x	75	90,20
AU2829	6	x	4.0	x	250	177,00	AU2441	14	x	10.00	x	100	100,95
AU3040	7	x	4.5	x	280	195,00	AU2442	14	x	10.00	x	125	111,70
AU2390	8	x	4.0	x	75	80,90	AU2443	14	x	10.00	x	150	130,00
AU2391	8	x	4.0	x	100	88,75	AU2444	14	x	10.00	x	175	132,45
AU2392	8	x	4.0	x	125	99,50	AU0910	14	x	10.00	x	200	142,45
AU2768	8	x	4.0	x	150	110,25	AU0888	14	x	10.00	x	225	151,05
AU2393	8	x	4.0	x	175	120,25	AU2445	14	x	10.00	x	250	168,20
AU2394	8	x	4.0	x	200	129,55	AU2446	14	x	10.00	x	275	191,10
AU2395	8	x	4.0	x	225	147,45	AU2883	14	x	10.00	x	300	197,40
AU0845	8	x	4.2	x	100	88,75	AU2771	14	x	10.20	x	75	90,20
AU2397	8	x	4.2	x	125	99,50	AU2447	14	x	10.20	x	100	100,95
AU2398	8	x	4.2	x	150	110,25	AU2448	14	x	10.20	x	125	111,70
AU2399	8	x	4.2	x	175	120,25	AU2449	14	x	10.20	x	150	121,70
AU0843	8	x	4.2	x	200	129,55	AU2450	14	x	10.20	x	175	132,45
AU2400	8	x	4.2	x	225	147,45	AU2451	14	x	10.20	x	200	142,45
AU2980	8	x	4.2	x	225	145,20	AU2452	14	x	10.20	x	225	151,05
AU2401	8	x	5.0	x	75	82,30	AU2453	14	x	10.20	x	250	168,20
AU2402	8	x	5.0	x	100	91,70	AU2454	14	x	10.20	x	275	191,10
AU2403	8	x	5.0	x	125	100,95	AU2976	14	x	10.50	x	175	132,45
AU2404	8	x	5.0	x	150	111,70	AU3101	16	x	12.00	x	75	92,00
AU2405	8	x	5.0	x	175	120,25	AU0879	16	x	12.00	x	100	104,50
AU2406	8	x	5.0	x	200	133,15	AU2456	16	x	12.00	x	125	114,55
AU0818	8	x	5.0	x	225	143,90	AU2457	16	x	12.00	x	150	124,55
AU0819	8	x	5.0	x	250	176,00	AU0886	16	x	12.00	x	175	134,60
AU2407	8	x	5.2	x	75	82,30	AU0887	16	x	12.00	x	200	145,30
AU2408	8	x	5.2	x	100	91,65	AU0884	16	x	12.00	x	225	153,20
AU2409	8	x	5.2	x	125	100,95	AU0885	16	x	12.00	x	250	170,40
AU2410	8	x	5.2	x	150	111,70	AU2458	16	x	12.00	x	275	194,70
AU2411	8	x	5.2	x	175	120,25	AU3106	20	x	16.00	x	225	168,15
AU2412	8	x	5.2	x	200	133,15							
AU2413	8	x	5.2	x	225	143,90							
AU3011	8	x	5.5	x	200	147,00							
AU2414	10	x	6.0	x	75	86,60							
AU2415	10	x	6.0	x	100	95,20							
AU2416	10	x	6.0	x	125	105,95							
AU2417	10	x	6.0	x	150	115,25							
AU2418	10	x	6.0	x	175	125,30							
AU0968	10	x	6.0	x	200	136,00							
AU2769	10	x	6.0	x	225	143,90							
AU2419	10	x	6.2	x	75	86,60							
AU2420	10	x	6.2	x	100	95,20							
AU2421	10	x	6.2	x	125	105,95							
AU2422	10	x	6.2	x	150	115,25							
AU2423	10	x	6.2	x	175	125,30							
AU2424	10	x	6.2	x	200	136,00							
AU2425	10	x	6.2	x	225	143,90							
AU2426	10	x	6.2	x	250	158,90							
AU3043	11	x	8.0	x	140	126,00							
AU3032	12	x	8.0	x	60	72,00							
AU0853	12	x	8.0	x	75	89,50							
AU2427	12	x	8.0	x	100	100,95							
AU2428	12	x	8.0	x	125	110,25							
AU2429	12	x	8.0	x	150	120,25							
AU2430	12	x	8.0	x	175	129,55							
AU2431	12	x	8.0	x	200	139,60							
AU2432	12	x	8.0	x	225	149,60							
AU2433	12	x	8.0	x	250	160,35							





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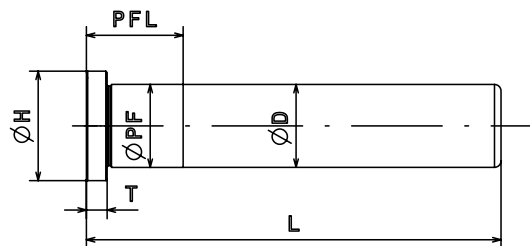


Pillar
Section



Leader Pins WG 8765

Nominal DIA	D	PF	H	T
	+0.0000/-0.0005	+0.0005/-0.0000		
3/4	.749	.751	.990	3/16
7/8	.874	.876	1.115	1/4
1	.999	1.001	1.240	1/4
1-1/4	1.249	1.251	1.490	5/16
1-1/2	1.499	1.501	1.740	5/16
2	1.999	2.001	2.240	5/16
2-1/2	2.499	2.501	2.740	5/16
3	2.999	3.001	3.365	1/2

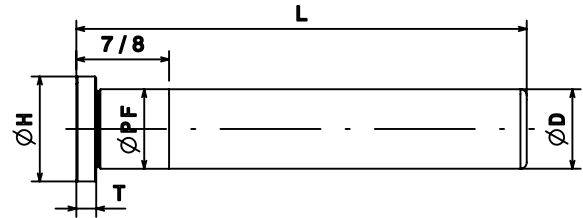


■ Case Hardened Steel ■ Hardness 58-62 Rc

PART NO.	OD x	L	PRICE	PART NO.	OD x	L	PRICE	PART NO.	OD x	L	PRICE
AU5755	3/4 X	1 3/4	7,55	AU5797	1 X	2 1/4	8,50	AU5839	1 1/2 X	4 1/4	14,55
AU5756	1 1/4 x	8 3/4	17,8	AU5798	1 X	2 3/4	8,95	AU5840	1 1/2 X	4 3/4	15,40
AU5757	1 1/4 x	9 3/4	19,00	AU5799	1 X	3 1/4	9,45	AU5841	1 1/2 X	5 1/4	16,20
AU5758	1 1/4 x	13 3/4	29,10	AU5800	1 X	3 3/4	9,75	AU5842	1 1/2 X	5 3/4	17,15
AU5759	1 1/4 x	14 3/4	31,20	AU5801	1 X	4 1/4	10,20	AU5843	1 1/2 X	6 1/4	18,00
AU5760	1 1/2 x	9 3/4	24,45	AU5802	1 X	4 3/4	10,60	AU5844	1 1/2 X	6 3/4	19,00
AU5761	1 1/2 x	11 3/4	28,05	AU5803	1 X	5 1/4	11,00	AU5845	1 1/2 X	7 3/4	20,80
AU5762	1 1/2 x	15 3/4	44,10	AU5804	1 X	5 3/4	11,45	AU5846	1 1/2 X	8 3/4	22,55
AU5763	2 x	13 3/4	49,30	AU5805	1 X	6 1/4	11,85	AU5847	1 1/2 X	10 3/4	26,20
AU5764	2 x	18 3/4	66,95	AU5806	1 X	6 3/4	12,10	AU5848	1 1/2 X	12 3/4	35,35
AU5765	3/4 x	2 1/4	8,25	AU5807	1 X	7 1/4	12,60	AU5849	1 1/2 X	13 3/4	37,20
AU5766	3/4 x	2 3/4	8,45	AU5808	1 X	7 3/4	12,95	AU5850	1 1/2 X	14 3/4	38,00
AU5767	3/4 x	3 1/4	8,20	AU5809	1 X	8 1/4	13,40	AU5851	2 X	5 3/4	21,05
AU5768	3/4 x	3 3/4	8,40	AU5810	1 X	8 3/4	13,80	AU5852	2 X	6 3/4	24,55
AU5769	3/4 x	4 1/4	8,60	AU5811	1 X	9 1/4	14,15	AU5853	2 X	7 3/4	28,05
AU5770	3/4 x	4 3/4	8,90	AU5812	1 X	9 3/4	14,65	AU5854	2 X	8 3/4	31,69
AU5771	3/4 x	5 1/4	9,25	AU5813	1 X	10 1/4	15,05	AU5855	2 X	9 3/4	35,15
AU5772	3/4 x	5 3/4	9,45	AU5814	1 X	10 3/4	15,40	AU5856	2 X	10 3/4	39,79
AU5773	3/4 x	6 1/4	9,65	AU5815	1 X	11 1/4	15,80	AU5857	2 X	11 3/4	42,29
AU5774	3/4 x	6 3/4	9,90	AU5816	1 X	11 3/4	16,20	AU5858	2 X	12 3/4	45,79
AU5775	3/4 x	7 1/4	10,1	AU5817	1 X	12 1/4	17,30	AU5859	2 X	14 3/4	52,89
AU5776	3/4 x	7 3/4	10,3	AU5818	1 1/4 X	2 3/4	10,20	AU5860	2 X	15 3/4	56,35
AU5777	3/4 x	9 1/4	10,9	AU5819	1 1/4 X	3 1/4	10,80	AU5861	2 X	16 3/4	59,99
AU5778	7/8 X	1 3/4	7,90	AU5820	1 1/4 X	3 3/4	11,55	AU5862	2 1/2 X	5 3/4	29,25
AU5779	7/8 X	2 1/4	8,20	AU5821	1 1/4 X	4 1/4	12,10	AU5863	2 1/2 X	6 3/4	34,49
AU5780	7/8 X	2 3/4	8,40	AU5822	1 1/4 X	4 3/4	12,75	AU5864	2 1/2 X	7 3/4	39,59
AU5781	7/8 X	3 1/4	8,80	AU5823	1 1/4 X	5 1/4	13,40	AU5865	2 1/2 X	8 3/4	44,69
AU5782	7/8 X	3 3/4	9,15	AU5824	1 1/4 X	5 3/4	13,95	AU5866	2 1/2 X	9 3/4	49,79
AU5783	7/8 X	4 1/4	9,45	AU5825	1 1/4 X	6 1/4	14,65	AU5867	2 1/2 X	10 3/4	55,00
AU5784	7/8 X	4 3/4	9,65	AU5826	1 1/4 X	6 3/4	15,25	AU5868	2 1/2 X	11 3/4	59,85
AU5785	7/8 X	5 1/4	10,00	AU5827	1 1/4 X	7 1/4	15,80	AU5869	2 1/2 X	12 3/4	65,00
AU5786	7/8 X	5 3/4	10,30	AU5828	1 1/4 X	7 3/4	16,50	AU5870	2 1/2 X	13 3/4	70,10
AU5787	7/8 X	6 1/4	10,60	AU5829	1 1/4 X	8 1/4	17,15	AU5871	2 1/2 X	14 3/4	75,20
AU5788	7/8 X	6 3/4	11,00	AU5830	1 1/4 X	9 1/4	18,35	AU5872	2 1/2 X	15 3/4	80,30
AU5789	7/8 X	7 1/4	11,20	AU5831	1 1/4 X	10 1/4	19,65	AU5873	2 1/2 X	16 3/4	85,40
AU5790	7/8 X	7 3/4	11,55	AU5832	1 1/4 X	10 3/4	20,25	AU5874	2 1/2 X	18 3/4	95,60
AU5791	7/8 X	8 1/4	11,95	AU5833	1 1/4 X	11 1/4	20,90	AU5875	3 X	12 3/4	94,95
AU5792	7/8 X	8 3/4	12,50	AU5834	1 1/4 X	11 3/4	21,55	AU5876	3 X	14 3/4	109,00
AU5793	7/8 X	9 1/4	12,95	AU5835	1 1/4 X	12 1/4	22,15	AU5877	3 X	16 3/4	124,55
AU5794	7/8 X	10 3/4	13,40	AU5836	1 1/4 X	12 3/4	26,85	AU5878	3 X	18 3/4	138,80
AU5795	7/8 X	12 1/4	14,30	AU5837	1 1/4 X	15 3/4	33,25	AU6033	3 X	8 3/4	72,30
AU5796	1 X	1 3/4	8,20	AU5838	1 1/2 X	3 3/4	13,50				

Step-Leader Pins WG 5848

DIA	D +.0000/-.0005	PF +.0005/-.0000	H	T
1/2	.499	.501	.615	3/16
3/4	.749	.751	.990	3/16
7/8	.874	.876	1.115	1/4
1	.999	1.001	1.240	1/4
1 1/4	1.249	1.251	1.490	5/16



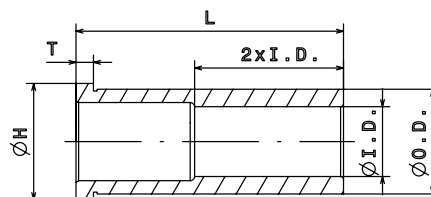
■ Case Hardened Steel ■ Hardness 58-62 Rc

PART NO.	OD x	L	PRICE
AU6010	1/2 X	4 3/4	9,35
AU6011	1/2 X	5 1/4	9,70
AU6012	1/2 X	5 3/4	9,95
AU6013	1/2 X	6 1/4	10,20
AU6014	3/4 x	4 1/4	9,60
AU6015	3/4 x	4 3/4	9,90
AU6016	3/4 x	5 1/4	10,25
AU6017	3/4 x	5 3/4	10,45
AU6018	3/4 x	6 1/4	10,70
AU6019	7/8 x	4 1/4	10,45
AU6020	7/8 x	4 3/4	10,65
AU6021	7/8 x	5 1/4	11,00
AU6022	7/8 x	5 3/4	11,30
AU6023	7/8 x	6 1/4	11,65
AU6024	1 x	4 1/4	11,20
AU6025	1 x	4 3/4	11,60
AU6026	1 x	5 1/4	11,95
AU6027	1 x	6 1/4	12,95
AU6028	1 1/4 x	4 1/4	13,05
AU6029	1 1/4 x	4 3/4	13,75
AU6030	1 1/4 x	5 1/4	14,40
AU6031	1 1/4 x	5 3/4	14,95
AU6032	1 1/4 x	6 1/4	15,70

Shoulder Bushings

WG 5822

Nominal ID	ID	OD	H max	T
	+0.0005/-0.0000	+0.0005/-0.0000		
3/4	.7505	1.1255	1.250	3/16
7/8	.8755	1.2505	1.375	3/16
1	1.005	1.3755	1.500	3/16
1 1/4	1.2505	1.6255	1.750	3/16
1 1/2	1.5005	2.0005	2.125	3/16
2	2.0005	2.5005	2.625	3/16
2 1/2	2.5005	3.2505	3.375	3/16
3	3.0005	3.7505	3.937	1/2



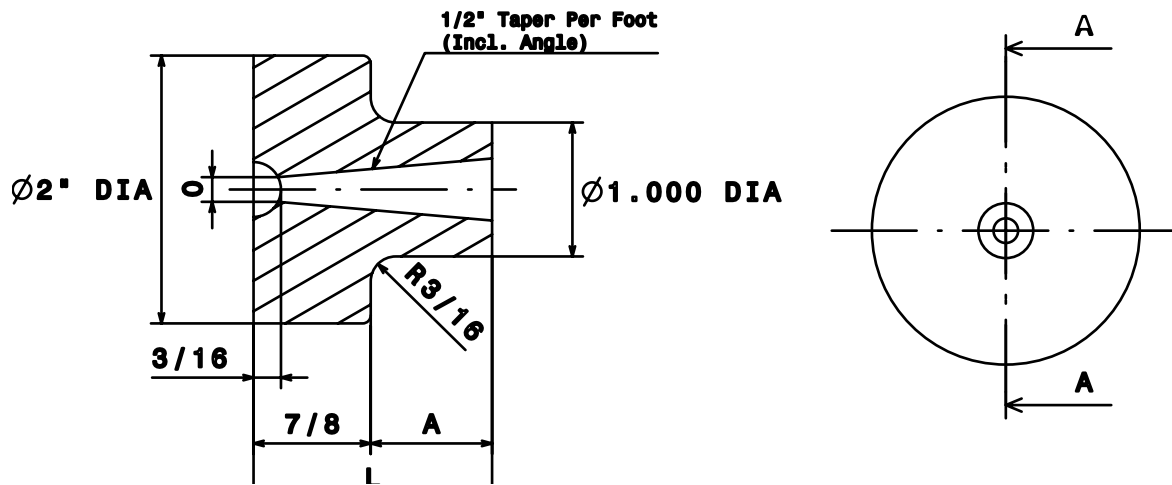
■ Case Hardened Steel ■ Hardness 58-62 Rc

Part No.	ID	x	OD	x	L	Price	Part No.	ID	x	OD	x	L	Price
AU6130	3/4	x	1-1/8	x	7/8	8,95	AU6172	1-1/2	x	2	x	3-7/8	20,15
AU6131	3/4	x	1-1/8	x	1-3/8	9,75	AU6173	1-1/2	x	2	x	4-3/8	21,70
AU6132	3/4	x	1-1/8	x	1-7/8	10,50	AU6174	1-1/2	x	2	x	4-7/8	23,30
AU6133	3/4	x	1-1/8	x	2-3/8	11,30	AU6175	1-1/2	x	2	x	5-7/8	26,50
AU6134	3/4	x	1-1/8	x	2-7/8	12,20	AU6176	2	x	2-1/2	x	1-3/8	13,20
AU6135	3/4	x	1-1/8	x	3-3/8	12,95	AU6177	2	x	2-1/2	x	1-7/8	15,25
AU6136	3/4	x	1-1/8	x	3-7/8	13,75	AU6178	2	x	2-1/2	x	2-3/8	17,25
AU6137	7/8	x	1-1/4	x	7/8	9,29	AU6179	2	x	2-1/2	x	2-7/8	19,30
AU6138	7/8	x	1-1/4	x	1-3/8	10,00	AU6180	2	x	2-1/2	x	3-3/8	21,30
AU6139	7/8	x	1-1/4	x	1-7/8	10,80	AU6181	2	x	2-1/2	x	3-7/8	23,40
AU6140	7/8	x	1-1/4	x	2-3/8	11,75	AU6182	2	x	2-1/2	x	4-3/8	25,45
AU6141	7/8	x	1-1/4	x	2-7/8	12,60	AU6183	2	x	2-1/2	x	4-7/8	27,55
AU6142	7/8	x	1-1/4	x	3-3/8	13,50	AU6184	2	x	2-1/2	x	5-7/8	31,60
AU6143	7/8	x	1-1/4	x	3-7/8	14,40	AU6185	2-1/2	x	3-1/4	x	1-3/8	17,00
AU6144	7/8	x	1-1/4	x	4-7/8	16,10	AU6186	2-1/2	x	3-1/4	x	1-7/8	20,40
AU6145	7/8	x	1-1/4	x	5-7/8	17,90	AU6187	2-1/2	x	3-1/4	x	2-3/8	24,10
AU6146	1	x	1-3/8	x	7/8	9,35	AU6188	2-1/2	x	3-1/4	x	2-7/8	27,50
AU6147	1	x	1-3/8	x	1-3/8	10,30	AU6189	2-1/2	x	3-1/4	x	3-3/8	30,90
AU6148	1	x	1-3/8	x	1-7/8	11,20	AU6190	2-1/2	x	3-1/4	x	3-7/8	30,90
AU6149	1	x	1-3/8	x	2-3/8	12,20	AU6191	2-1/2	x	3-1/4	x	4-3/8	37,70
AU6150	1	x	1-3/8	x	2-7/8	13,20	AU6192	2-1/2	x	3-1/4	x	4-7/8	41,20
AU6151	1	x	1-3/8	x	3-3/8	14,15	AU6193	2-1/2	x	3-1/4	x	5-7/8	48,00
AU6152	1	x	1-3/8	x	3-7/8	15,05	AU6194	3	x	3-3/4	x	3-7/8	41,95
AU6153	1	x	1-3/8	x	4-3/8	16,00	AU6195	3	x	3-3/4	x	4-7/8	50,85
AU6154	1	x	1-3/8	x	4-7/8	17,05	AU6197	3	x	3-3/4	x	5-7/8	59,50
AU6155	1	x	1-3/8	x	5-7/8	18,95	AU6198	3	x	3-3/4	x	7/8	77,05
AU6156	1-1/4	x	1-5/8	x	7/8	9,65							
AU6157	1-1/4	x	1-5/8	x	1-3/8	10,70							
AU6158	1-1/4	x	1-5/8	x	1-7/8	11,85							
AU6159	1-1/4	x	1-5/8	x	2-3/8	13,05							
AU6160	1-1/4	x	1-5/8	x	2-7/8	14,15							
AU6161	1-1/4	x	1-5/8	x	3-3/8	15,40							
AU6162	1-1/4	x	1-5/8	x	3-7/8	16,50							
AU6163	1-1/4	x	1-5/8	x	4-3/8	17,60							
AU6164	1-1/4	x	1-5/8	x	4-7/8	18,85							
AU6165	1-1/4	x	1-5/8	x	5-7/8	21,10							
AU6166	1-1/2	x	2	x	7/8	10,40							
AU6167	1-1/2	x	2	x	1-3/8	12,10							
AU6168	1-1/2	x	2	x	1-7/8	13,60							
AU6169	1-1/2	x	2	x	2-3/8	15,25							
AU6170	1-1/2	x	2	x	2-7/8	16,85							
AU6171	1-1/2	x	2	x	3-3/8	18,45							



Sprue-Bushings

WG 5823



■ SAE Steel ■ Hardened of Rc 60-62 ■ Polished

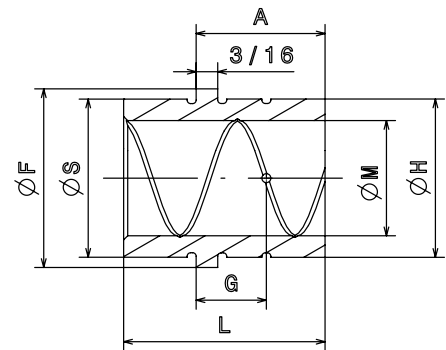
PART NO.	OD x	L	PRICE
FB6004	.75 x 1	25/32 R1/2	36,75
FB6005	.75 x 1	25/32 R3/4	36,75
FB6006	.75 x 1	25/32 R1/2	36,75
FB6009	.75 x 2	9/32 R1/2	42,55
FB6010	.75 x 2	9/32 R3/4	42,55
FB6011	.75 x 2	9/32 R1/2	42,55
FB6012	.75 x 2	9/32 R3/4	42,55
FB6015	.75 x 2	25/32 R1/2	48,50
FB6016	.75 x 2	25/32 R3/4	48,50
FB6017	.75 x 2	25/32 R1/2	48,50
FB6018	.75 x 2	25/32 R3/4	48,50
FB6021	.75 x 3	9/32 R1/2	54,35
FB6022	.75 x 3	9/32 R3/4	54,35
FB6023	.75 x 3	9/32 R1/2	54,35
FB6024	.75 x 3	9/32 R3/4	54,35
FB6002	.75 x 1	25/32 R1/2	62,35
FB6027	.75 x 3	25/32 R1/2	60,10
FB6028	.75 x 3	25/32 R3/4	60,10
FB6029	.75 x 3	25/32 R1/2	60,10
FB6030	.75 x 3	25/32 R3/4	60,10
FB6033	.75 x 4	9/32 R1/2	77,80
FB6034	.75 x 4	9/32 R3/4	77,80
FB6035	.75 x 4	9/32 R1/2	77,80
FB6036	.75 x 4	9/32 R3/4	77,80
FB6003	.75 x 1	25/32 R3/4	62,35
FB6039	.75 x 4	25/32 R1/2	84,25
FB6040	.75 x 4	25/32 R3/4	84,25
FB6041	.75 x 4	25/32 R1/2	84,25
FB6042	.75 x 4	25/32 R3/4	84,25
FB6007	.75 x 2	9/32 R1/2	69,60
FB6008	.75 x 2	9/32 R3/4	69,60
FB6019	.75 x 3	9/32 R1/2	85,05
FB6013	.75 x 2	25/32 R1/2	78,90
FB6014	.75 x 2	25/32 R3/4	78,90
FB6020	.75 x 3	9/32 R3/4	85,05
FB6031	.75 x 4	9/32 R1/2	111,95
FB6025	.75 x 3	25/32 R1/2	93,75
FB6026	.75 x 3	25/32 R3/4	93,75
FB6032	.75 x 4	9/32 R3/4	111,95
FB6037	.75 x 4	25/32 R1/2	119,60
FB6038	.75 x 4	25/32 R3/4	119,60



Guided Ejector Bushing Bronze Plated

WG 5849

M	H	L	F	S	A	G
+ .0005/ - .0000	+ .0005/ - .0000	+ .000/- .062	+ .000/- .010	+ .000/- .001	+ .000/- .030	
.501	.7505	1.5	.853	.749	1.00	.56
.751	1.1255	1.5	1.302	1.124	1.00	.56
.876	1.2505	1.5	1.427	1.249	1.00	.56
1.001	1.3755	1.75	1.552	1.374	1.12	.62
1.251	1.6255	1.75	1.802	1.624	1.12	.62
1.501	2.0005	1.75	2.177	1.999	1.12	.62
2.001	2.5005	2.25	2.687	2.499	1.62	.80

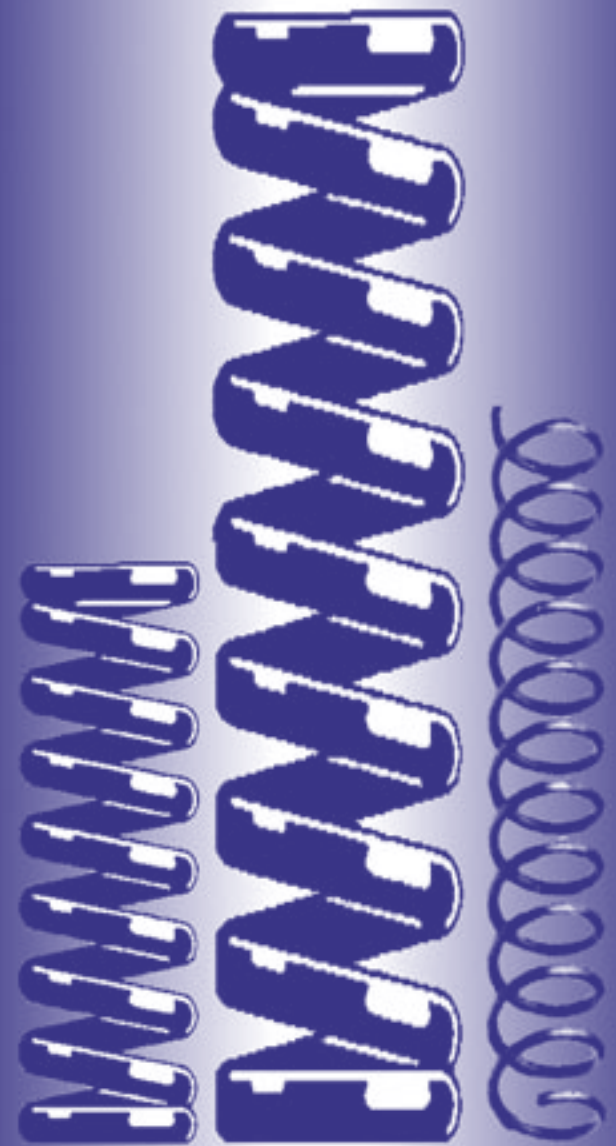


■ Bronze Plated

PART NO.	OD x	L	PRICE
AU6004	1 x	1-3/4	18,65
AU6007	2 x	2-1/4	46,85
AU6008	3/4 x	1-1/2	17,20
AU6009	7/8 x	1-1/2	17,65
AU6006	1-1/2 x	1-3/4	22,10
AU6005	1-1/4 x	1-3/4	19,25



NONNENMANN INC.

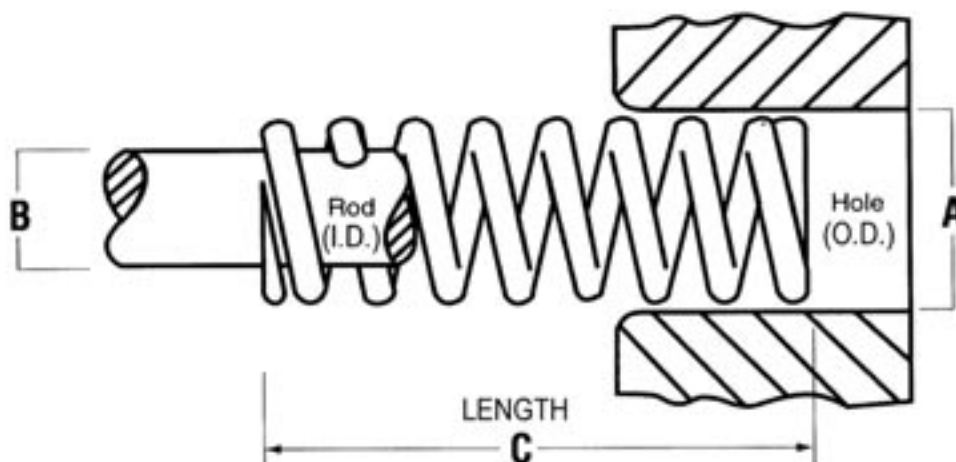


DIE SPRINGS
SECTION



Medium Springs Blue

WG 7519



■ Chrome Silcone Steel

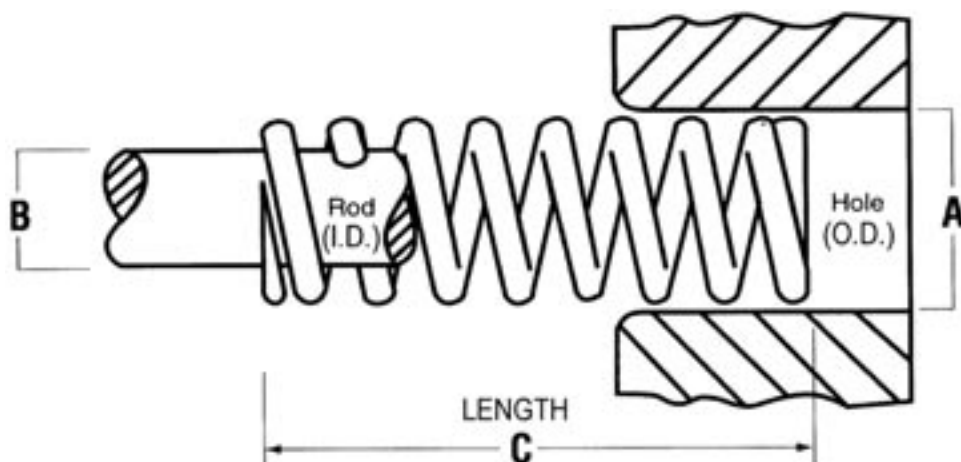
PART NO.	OD x	L	PRICE
FB4511	3/8 X	1	1,13
FB4512	3/8 X	1-1/4	1,21
FB4513	3/8 X	1-1/2	1,37
FB4514	3/8 X	1-3/4	1,55
FB4515	3/8 X	2	1,74
FB4516	3/8 X	2-1/2	1,89
FB4517	3/8 X	3	2,09
FB4518	3/8 X	12	8,60
FB4519	1/2 X	1	1,25
FB4520	1/2 X	1-1/4	1,35
FB4521	1/2 X	1-1/2	1,55
FB4522	1/2 X	1-3/4	1,66
FB4523	1/2 X	2	1,83
FB4524	1/2 X	2-1/2	2,02
FB4525	1/2 X	3	2,27
FB4526	1/2 X	3-1/2	2,46
FB4527	1/2 X	4-1/2	3,72
FB4528	1/2 X	5-1/2	5,09
FB4529	1/2 X	6-1/2	5,27
FB4530	1/2 X	7-1/2	6,02
FB4531	5/8 X	1	1,53
FB4532	5/8 X	1-1/4	1,59
FB4533	5/8 X	1-1/2	1,74
FB4534	5/8 X	1-3/4	1,89
FB4535	5/8 X	2	2,08
FB4536	5/8 X	2-1/2	2,20
FB4537	5/8 X	3	2,48
FB4538	5/8 X	3-1/2	2,74
FB4539	5/8 X	4	2,95
FB4540	5/8 X	12	9,91
FB4541	3/4 X	1	2,16
FB4542	3/4 X	1-1/4	2,34
FB4543	3/4 X	1-1/2	2,45
FB4544	3/4 X	1-3/4	2,61
FB4545	3/4 X	2	2,80
FB4546	3/4 X	2-1/2	2,96
FB4547	3/4 X	3	3,26
FB4548	3/4 X	3-1/2	3,66
FB4549	3/4 X	4	3,90
FB4550	3/4 X	4-1/2	4,24
FB4551	3/4 X	5	4,65
FB4552	3/4 X	5-1/2	4,95

PART NO.	OD x	L	PRICE
FB4553	3/4 X	6	5,41
FB4554	3/4 X	6-1/2	9,14
FB4555	3/4 X	7-1/2	9,38
FB4556	3/4 X	12	11,28
FB4557	1 X	1	2,80
FB4558	1 X	1-1/4	2,89
FB4559	1 X	1-1/2	3,01
FB4560	1 X	1-3/4	3,26
FB4561	1 X	2	3,37
FB4562	1 X	2-1/2	3,61
FB4563	1 X	3	3,97
FB4564	1 X	3-1/2	4,12
FB4565	1 X	4	4,63
FB4566	1 X	4-1/2	5,12
FB4567	1 X	5	5,46
FB4568	1 X	5-1/2	5,98
FB4569	1 X	6	6,45
FB4570	1 X	7	7,66
FB4571	1 X	8	8,41
FB4572	1 X	12	12,27
FB4573	1-1/4 X	1-1/2	4,37
FB4574	1-1/4 X	1-3/4	4,51
FB4575	1-1/4 X	2	4,85
FB4576	1-1/4 X	2-1/2	5,16
FB4577	1-1/4 X	3	5,83
FB4578	1-1/4 X	3-1/2	6,26
FB4579	1-1/4 X	4	6,77
FB4580	1-1/4 X	4-1/2	7,50
FB4581	1-1/4 X	5	8,15
FB4582	1-1/4 X	5-1/2	8,66
FB4583	1-1/4 X	6	9,54
FB4584	1-1/4 X	7	10,76
FB4585	1-1/4 X	8	12,31
FB4586	1-1/4 X	10	16,13
FB4587	1-1/4 X	12	18,70
FB4588	1-1/2 X	2	5,16
FB4589	1-1/2 X	2-1/2	5,65
FB4590	1-1/2 X	3	6,77
FB4591	1-1/2 X	3-1/2	7,61
FB4592	1-1/2 X	4	8,61
FB4593	1-1/2 X	4-1/2	8,99
FB4594	1-1/2 X	5	10,60

PART NO.	OD x	L	PRICE
FB4595	1-1/2 X	5-1/2	11,54
FB4596	1-1/2 X	6	12,53
FB4597	1-1/2 X	7	14,20
FB4598	1-1/2 X	8	16,58
FB4599	1-1/2 X	10	21,26
FB4600	1-1/2 X	12	21,26
FB4601	2 X	2-1/2	11,21
FB4602	2 X	3	12,20
FB4603	2 X	3-1/2	13,32
FB4604	2 X	4	14,52
FB4605	2 X	4-1/2	16,28
FB4606	2 X	5	17,47
FB4607	2 X	5-1/2	19,24
FB4608	2 X	6	21,25
FB4609	2 X	7	23,90
FB4610	2 X	8	27,21
FB4611	2 X	10	35,12
FB4612	2 X	12	43,96

Medium Heavy Springs Red

WG 7518



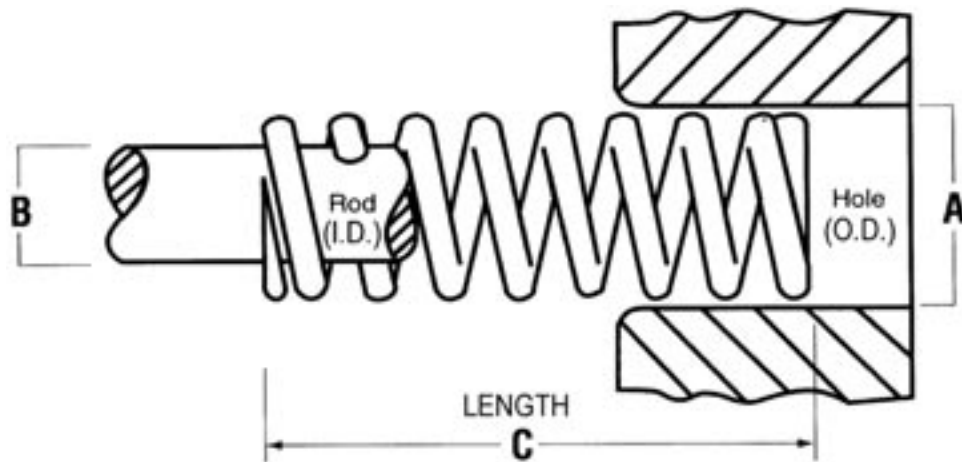
■ Chrome Silcone Steel

PART NO.	OD x	L	PRICE
FB4613	3/8 X	1	1,22
FB4614	3/8 X	1-1/4	1,29
FB4615	3/8 X	1-1/2	1,49
FB4616	3/8 X	1-3/4	1,59
FB4617	3/8 X	2	1,83
FB4618	3/8 X	2-1/2	1,98
FB4619	3/8 X	3	2,16
FB4620	3/8 X	12	8,78
FB4621	1/2 X	1	1,35
FB4622	1/2 X	1-1/4	1,52
FB4623	1/2 X	1-1/2	1,63
FB4624	1/2 X	1-3/4	1,77
FB4625	1/2 X	2	1,98
FB4626	1/2 X	2-1/2	2,09
FB4627	1/2 X	3	2,41
FB4628	1/2 X	3-1/2	2,65
FB4629	1/2 X	12	9,51
FB4630	5/8 X	1	1,63
FB4631	5/8 X	1-1/4	1,75
FB4632	5/8 X	1-1/2	1,89
FB4633	5/8 X	1-3/4	2,04
FB4634	5/8 X	2	2,20
FB4635	5/8 X	2-1/2	2,42
FB4636	5/8 X	3	2,61
FB4637	5/8 X	3-1/2	2,87
FB4638	5/8 X	4	3,17
FB4639	5/8 X	12	10,57
FB4640	3/4 X	1	2,41
FB4641	3/4 X	1-1/4	2,48
FB4642	3/4 X	1-1/2	2,61
FB4643	3/4 X	1-3/4	2,80
FB4644	3/4 X	2	3,01
FB4645	3/4 X	2-1/2	3,22
FB4646	3/4 X	3	3,59
FB4647	3/4 X	3-1/2	3,79
FB4648	3/4 X	4	4,27
FB4649	3/4 X	4-1/2	4,78
FB4650	3/4 X	5	5,11
FB4651	3/4 X	5-1/2	5,56
FB4652	3/4 X	6	5,94
FB4653	3/4 X	12	12,28
FB4654	1 X	1	2,96

PART NO.	OD x	L	PRICE
FB4655	1 X	1-1/4	3,14
FB4656	1 X	1-1/2	3,30
FB4657	1 X	1-3/4	3,57
FB4658	1 X	2	3,74
FB4659	1 X	2-1/2	4,10
FB4660	1 X	3	4,37
FB4661	1 X	3-1/2	4,78
FB4662	1 X	4	5,22
FB4663	1 X	4-1/2	5,65
FB4664	1 X	5	6,44
FB4665	1 X	5-1/2	6,82
FB4666	1 X	6	7,39
FB4667	1 X	7	8,72
FB4668	1 X	8	10,12
FB4669	1 X	12	14,78
FB4670	1-1/4 X	1-1/2	4,58
FB4671	1-1/4 X	1-3/4	4,78
FB4672	1-1/4 X	2	5,00
FB4673	1-1/4 X	2-1/2	5,37
FB4674	1-1/4 X	3	6,06
FB4675	1-1/4 X	3-1/2	6,51
FB4676	1-1/4 X	4	7,02
FB4677	1-1/4 X	4-1/2	7,83
FB4678	1-1/4 X	5	8,57
FB4679	1-1/4 X	5-1/2	9,50
FB4680	1-1/4 X	6	10,57
FB4681	1-1/4 X	7	12,23
FB4682	1-1/4 X	8	14,10
FB4683	1-1/4 X	10	18,75
FB4684	1-1/4 X	12	22,09
FB4685	1-1/2 X	2	6,75
FB4686	1-1/2 X	2-1/2	7,62
FB4687	1-1/2 X	3	8,89
FB4688	1-1/2 X	3-1/2	9,88
FB4689	1-1/2 X	4	10,97
FB4690	1-1/2 X	4-1/2	12,32
FB4691	1-1/2 X	5	13,52
FB4692	1-1/2 X	5-1/2	14,81
FB4693	1-1/2 X	6	16,06
FB4694	1-1/2 X	7	18,49
FB4695	1-1/2 X	8	21,22
FB4696	1-1/2 X	10	26,26

PART NO.	OD x	L	PRICE
FB4697	1-1/2 X	12	31,48
FB4698	2 X	2-1/2	12,66
FB4699	2 X	3	13,82
FB4700	2 X	3-1/2	15,84
FB4701	2 X	4	17,70
FB4702	2 X	4-1/2	19,20
FB4703	2 X	5	20,59
FB4704	2 X	5-1/2	23,45
FB4705	2 X	6	23,57
FB4706	2 X	7	26,70
FB4707	2 X	8	30,83
FB4708	2 X	10	38,74
FB4709	2 X	12	45,27

Heavy Springs Gold WG 7517



■ Chrome Silcone Steel

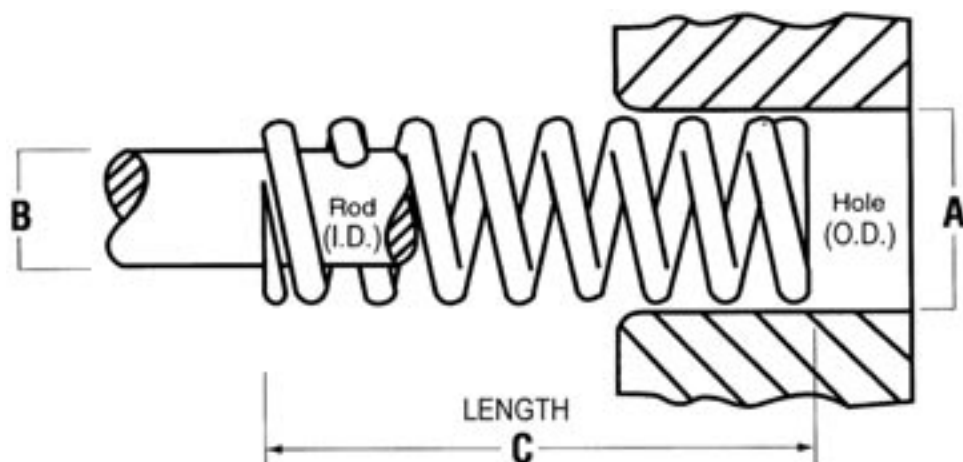
PART NO.	OD x	L	PRICE
FB4710	3/8 X	1	1,29
FB4711	3/8 X	1-1/4	1,44
FB4712	3/8 X	1-1/2	1,60
FB4713	3/8 X	1-3/4	1,78
FB4714	3/8 X	2	1,94
FB4715	3/8 X	2-1/2	2,08
FB4716	3/8 X	3	2,38
FB4717	3/8 X	12	9,24
FB4718	1/2 X	1	1,59
FB4719	1/2 X	1-1/4	1,70
FB4720	1/2 X	1-1/2	1,81
FB4721	1/2 X	1-3/4	1,98
FB4722	1/2 X	2	2,09
FB4723	1/2 X	2-1/2	2,38
FB4724	1/2 X	3	2,51
FB4725	1/2 X	3-1/2	2,76
FB4726	1/2 X	12	10,12
FB4727	5/8 X	1	1,77
FB4728	5/8 X	1-1/4	1,97
FB4729	5/8 X	1-1/2	2,04
FB4730	5/8 X	1-3/4	2,12
FB4731	5/8 X	2	2,41
FB4732	5/8 X	2-1/2	2,54
FB4733	5/8 X	3	2,83
FB4734	5/8 X	3-1/2	3,01
FB4735	5/8 X	4	3,30
FB4736	5/8 X	12	11,11
FB4737	3/4 X	1	2,55
FB4738	3/4 X	1-1/4	2,74
FB4739	3/4 X	1-1/2	2,80
FB4740	3/4 X	1-3/4	3,01
FB4741	3/4 X	2	3,26
FB4742	3/4 X	2-1/2	3,59
FB4743	3/4 X	3	3,87
FB4744	3/4 X	3-1/2	4,43
FB4745	3/4 X	4	4,99
FB4746	3/4 X	4-1/2	5,46
FB4747	3/4 X	5	5,99
FB4748	3/4 X	5-1/2	6,54
FB4749	3/4 X	6	7,34
FB4750	3/4 X	12	14,51
FB4751	1 X	1	3,37

PART NO.	OD x	L	PRICE
FB4752	1 X	1-1/4	3,52
FB4753	1 X	1-1/2	3,71
FB4754	1 X	1-3/4	3,93
FB4755	1 X	2	4,24
FB4756	1 X	2-1/2	4,85
FB4757	1 X	3	4,95
FB4758	1 X	3-1/2	5,39
FB4759	1 X	4	5,75
FB4760	1 X	4-1/2	6,33
FB4761	1 X	5	7,16
FB4762	1 X	5-1/2	7,69
FB4763	1 X	6	8,29
FB4764	1 X	7	9,72
FB4765	1 X	8	11,02
FB4766	1 X	12	16,90
FB4767	1-1/4 X	1-1/2	4,86
FB4768	1-1/4 X	1-3/4	5,01
FB4769	1-1/4 X	2	5,38
FB4770	1-1/4 X	2-1/2	5,83
FB4771	1-1/4 X	3	6,38
FB4772	1-1/4 X	3-1/2	7,08
FB4773	1-1/4 X	4	7,92
FB4774	1-1/4 X	4-1/2	9,21
FB4775	1-1/4 X	5	9,70
FB4776	1-1/4 X	5-1/2	10,83
FB4777	1-1/4 X	6	11,87
FB4778	1-1/4 X	7	14,36
FB4779	1-1/4 X	8	17,04
FB4780	1-1/4 X	10	21,58
FB4781	1-1/4 X	12	27,76
FB4782	1-1/2 X	2	7,62
FB4783	1-1/2 X	2-1/2	8,61
FB4784	1-1/2 X	3	9,72
FB4785	1-1/2 X	3-1/2	10,92
FB4786	1-1/2 X	4	12,23
FB4787	1-1/2 X	4-1/2	13,45
FB4788	1-1/2 X	5	14,91
FB4789	1-1/2 X	5-1/2	16,24
FB4790	1-1/2 X	6	17,64
FB4791	1-1/2 X	7	20,57
FB4792	1-1/2 X	8	23,57
FB4793	1-1/2 X	10	29,72

PART NO.	OD x	L	PRICE
FB4794	1-1/2 X	12	35,97
FB4795	2 X	2-1/2	13,83
FB4796	2 X	3	15,03
FB4797	2 X	3-1/2	16,33
FB4798	2 X	4	18,35
FB4799	2 X	4-1/2	20,95
FB4800	2 X	5	21,39
FB4801	2 X	5-1/2	23,08
FB4802	2 X	6	25,31
FB4803	2 X	7	28,56

Extra Heavy Springs Green

WG 7516

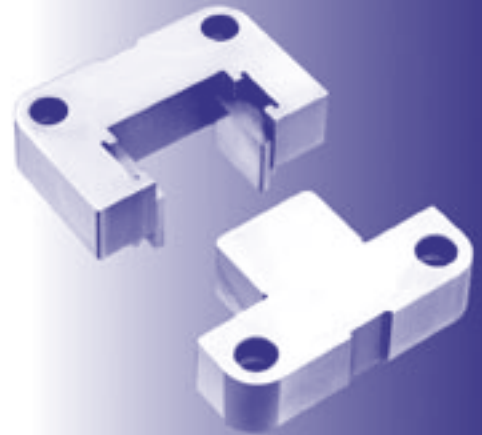


■ Chrome Silicone Steel

PART NO.	OD x	L	PRICE	PART NO.	OD x	L	PRICE
FB6083	3/8 X	1	1,53	FB6125	1 X	2	5,25
FB6084	3/8 X	1-1/4	1,59	FB6126	1 X	2-1/2	5,79
FB6085	3/8 X	1-1/2	1,74	FB6127	1 X	3	6,31
FB6086	3/8 X	1-3/4	1,88	FB6128	1 X	3-1/2	6,75
FB6087	3/8 X	2	2,09	FB6129	1 X	4	7,43
FB6088	3/8 X	2-1/2	2,20	FB6130	1 X	4-1/2	8,17
FB6089	3/8 X	3	2,45	FB6131	1 X	5	8,82
FB6090	3/8 X	12	9,88	FB6132	1 X	6	10,14
FB6091	1/2 X	1	1,74	FB6133	1 X	12	20,27
FB6092	1/2 X	1-1/4	1,77	FB6134	1-1/4 X	2	6,78
FB6093	1/2 X	1-1/2	1,98	FB6135	1-1/4 X	2-1/2	7,60
FB6094	1/2 X	1-3/4	2,13	FB6136	1-1/4 X	3	8,59
FB6095	1/2 X	2	2,38	FB6137	1-1/4 X	3-1/2	9,59
FB6096	1/2 X	2-1/2	2,48	FB6138	1-1/4 X	4	10,67
FB6097	1/2 X	3	2,74	FB6139	1-1/4 X	4-1/2	12,04
FB6098	1/2 X	3-1/2	2,95	FB6140	1-1/4 X	5	13,16
FB6099	1/2 X	12	10,88	FB6141	1-1/4 X	6	16,33
FB6100	5/8 X	1	2,02	FB6142	1-1/4 X	8	22,73
FB6101	5/8 X	1-1/4	2,20	FB6143	1-1/4 X	10	29,52
FB6102	5/8 X	1-1/2	2,32	FB6144	1-1/4 X	12	36,44
FB6103	5/8 X	1-3/4	2,50	FB6145	1-1/2 X	2	10,62
FB6104	5/8 X	2	2,71	FB6146	1-1/2 X	2-1/2	12,07
FB6105	5/8 X	2-1/2	2,80	FB6147	1-1/2 X	3	13,51
FB6106	5/8 X	3	2,96	FB6148	1-1/2 X	3-1/2	15,11
FB6107	5/8 X	3-1/2	3,26	FB6149	1-1/2 X	4	16,75
FB6108	5/8 X	4	3,57	FB6150	1-1/2 X	4-1/2	18,48
FB6109	5/8 X	12	12,77	FB6151	1-1/2 X	5	20,38
FB6110	3/4 X	1	2,84	FB6152	1-1/2 X	6	24,28
FB6111	3/4 X	1-1/4	2,91	FB6153	1-1/2 X	8	32,47
FB6112	3/4 X	1-1/2	3,13	FB6154	1-1/2 X	10	40,80
FB6113	3/4 X	1-3/4	3,26	FB6155	1-1/2 X	12	49,40
FB6114	3/4 X	2	3,49	FB6156	2 X	2-1/2	19,40
FB6115	3/4 X	2-1/2	3,87	FB6157	2 X	3	21,09
FB6116	3/4 X	3	4,14	FB6158	2 X	3-1/2	22,85
FB6117	3/4 X	3-1/2	4,69	FB6159	2 X	4	24,74
FB6118	3/4 X	4	5,34	FB6160	2 X	4-1/2	26,82
FB6119	3/4 X	4-1/2	5,92	FB6161	2 X	5	29,02
FB6120	3/4 X	5	6,78	FB6162	2 X	6	34,33
FB6121	3/4 X	5-1/2	7,73	FB6163	2 X	8	45,98
FB6122	3/4 X	6	8,76	FB6164	2 X	10	57,00
FB6123	3/4 X	12	15,71	FB6165	2 X	12	69,00
FB6124	1 X	1-1/2	4,88				



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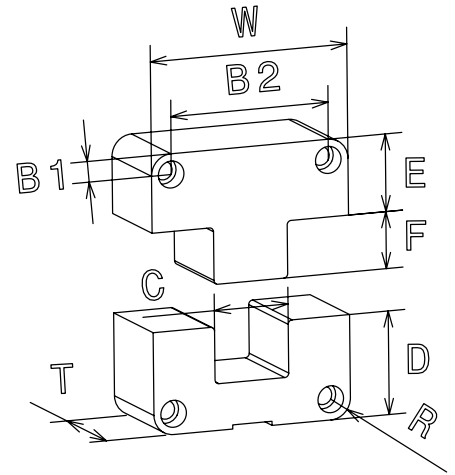
LOCKS
SECTION





Side Locks WG 4582

	W	T	C	E	F	Overall Height	B1	B2	D	R
	+.0000 / - .0004	+.000 / - .002		+.000 / - .002	+.000 / - .010		+ / - .010	+ / - .010	+.000 / - .002	+.010 / - .000
1.0000x.375	1.0000	.375	.500	.875	.530	2.000	.250	.500	1.125	.187
1.2500x.500	1.2500	.500	.500	.875	.660	2.000	.250	.750	1.125	.187
1.5000x.500	1.5000	.500	.563	.875	.560	1.750	.250	1.000	.875	.187
2.0000x.500	2.0000	.500	.750	.875	.660	2.250	.312	1.375	1.375	.250
3.0000x.750	3.0000	.750	1.250	.875	1.130	2.750	.375	2.250	2.250	.250
4.0000x1.000	4.0000	1.000	1.500	1.375	1.130	3.750	.500	3.000	3.000	.500
5.0000x1.250	5.0000	1.250	2.000	1.375	1.630	4.250	.625	3.750	3.750	.500
6.0000x1.500	6.0000	1.500	2.500	1.375	1.630	4.250	.625	4.750	4.750	.500



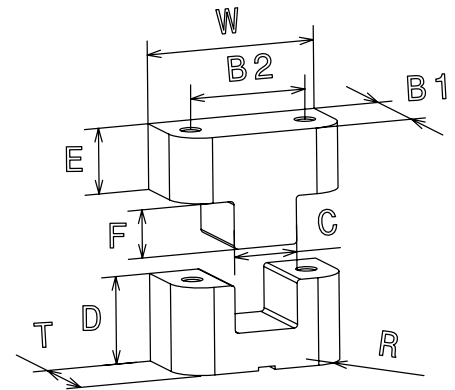
Male: ■ Graphitic Steel ■ Hardness 60-62 Rc ■ Black Oxide Finish
 Female: ■ Steel ■ Hardness 54-56 Rc ■ Armorclad 70-72 Rc

PART NO.	OD	x	L	PRICE
PP9005	1.0	x	0.375	130,00
PP9006	1.25	x	0.5	141,50
PP9007	1.5	x	0.5	143,60
PP9008	2.0	x	0.5	154,10
PP9009	3.0	x	0.75	200,20
PP9010	4.0	x	1.0	248,40
PP9011	5.0	x	1.25	308,15
PP9012	6.0	x	1.5	403,50



Top Locks WG 4580

	W	T	F	Overall Height	C	B1	B2	D	R	E
	+ .0000 /- .0004	+ .000 / - .002	+ .000 / - .010			+ / - .010	+ / - .010	+ .000 / - .002	+ .010 / - .000	+ .000 / - .002
1.0000x.500	1.0000	.500	.275	.875	.3750	.250	.688	.500	.187	.375
1.2500x.625	1.2500	.625	.375	1.125	.4380	.312	.875	.625	.250	.500
1.5000x.875	1.5000	.875	.500	1.625	.5000	.437	1.000	.875	.250	.750
2.0000x1.000	2.0000	1.000	.625	1.875	.7500	.500	1.375	1.125	.375	.750
3.0000x1.125	3.0000	1.125	.750	2.250	1.1250	.562	2.250	1.500	.500	.750



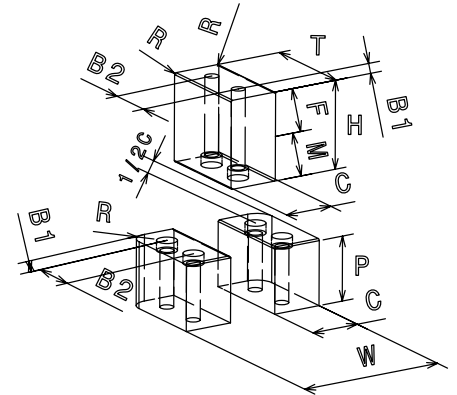
Male: ☐ Graphitic Steel ☐ Hardness 60-62 Rc ☐ Black Oxide Finish
 Female: ☐ Steel ☐ Hardness 54-56 Rc ☐ Armorclad 70-72 Rc

PART NO.	OD	x	L	PRICE
PP9000	1.0	x	0.5	131,00
PP9001	1.25	x	0.625	146,20
PP9002	1.5	x	0.875	163,00
PP9003	2.0	x	1.0	209,10
PP9004	3.0	x	1.125	261,50



Guide Locks WG 4581

	W	T	H	F	M	C	B1	B2	R	P
		+ .000 / - .010	+ .000 / - .010			+ .0000 / - .0005	+ / - .010	+ / - .010	+ .010 / - .000	+ .000 / - .002
1.125x.750	1.125	.750	.668	.480	.188	.3750	.200	.350	.125	.500
1.500x1.000	1.500	1.000	.855	.605	.250	.5000	.270	.460	.218	.625
2.250x1.500	2.250	1.500	1.230	.855	.375	.7500	.344	.812	.250	.875
3.000x2.000	3.000	2.000	1.605	1.105	.500	1.0000	.500	1.000	.375	1.125
3.750x2.500	3.750	2.500	1.855	1.355	.500	1.2500	.500	1.500	.375	1.375



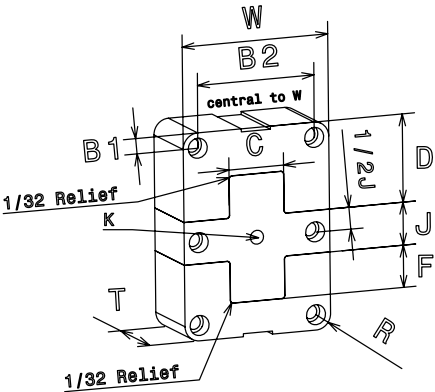
Male: ■ Steel ■ Hardness 54-56 Rc ■ Armorclad 70-72 Rc
 Female: ■ Steel ■ Hardness 60-62 Rc ■ Black Oxide Finish

PART NO.	OD	x	L	PRICE
PP9017	1.125	x	0.75	82,80
PP9018	1.5	x	1.0	89,10
PP9019	2.25	x	1.5	100,65
PP9020	3.0	x	2.0	144,65
PP9021	3.75	x	2.5	183,40



Multiplate Locks
WG 4583

	W	T	C	F	K	B1	B2	J	D	R
	+.0000 /- .0004	+.000 / -.002		+.000 / -.010		+ / -.010	+ / -.010	+.000 / -.004	+.000 / -.002	+.010 / -.000
1.0000x.500	2.0000	.500	.750	.660	.188	.312	1.375	.875	1.375	.250
1.2500x.625	2.0000	.500	.750	.660	.188	.312	1.375	1.375	1.375	.250
1.5000x.875	3.0000	.750	1.250	1.130	.251	.375	2.250	.875	1.875	.250
2.0000x1.000	3.0000	.750	1.250	1.130	.251	.375	2.250	1.375	1.875	.375



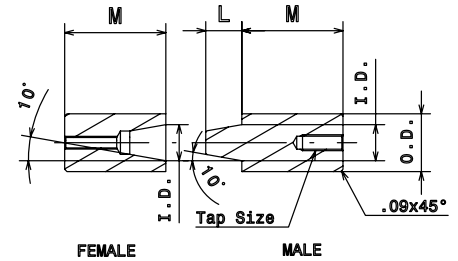
Male: ■ Graphitic Steel ■ Hardness 60-62 Rc ■ Black Oxide Finish
Female: ■ Steel ■ Hardness 54-56 Rc ■ Armorclad 70-72 Rc

PART NO.	OD	x	L	PRICE
PP9013	1.0	x	0.50	246,50
PP9014	1.25	x	0.625	256,80
PP9015	1.50	x	0.875	361,60
PP9016	2.0	x	1.0	366,80

Tapered Interlocks round - female

WG 4584

Female	O.D. +.0000 / -.0005	I.D.	M +.015 / -.020	Tap Size
.5000x.875	.5000	.312	.875	10-24
.5000x1.187	.5000	.312	1.187	10-24
.5000x1.375	.5000	.312	1.375	10-24
.7500x.875	.7500	.500	.875	1/4-20
.7500x1.187	.7500	.500	1.187	1/4-20
.7500x1.375	.7500	.500	1.375	1/4-20
1.0000x.875	1.0000	.625	.875	1/4-20
1.0000x1.187	1.0000	.625	1.187	1/4-20
1.0000x1.375	1.0000	.625	1.375	1/4-20
1.5000x1.125	1.5000	1.000	1.125	5/16-18
1.5000x1.375	1.5000	1.000	1.375	5/16-18
1.5000x1.625	1.5000	1.000	1.625	5/16-18



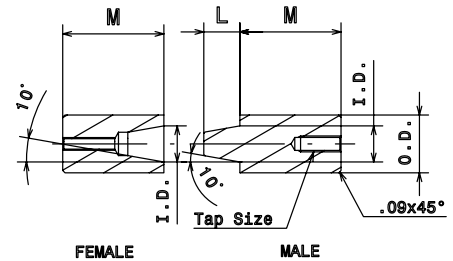
☐ Shock resistant Steel
 ☐ Hardened
 ☐ Precision Ground

PART NO.	OD	x	L	PRICE
FB6166	.5000	X	.875	23,15
FB6167	.5000	X	1.187	23,50
FB6168	.5000	X	1.375	23,70
FB6169	.7500	X	.875	23,35
FB6170	.7500	X	1.187	23,45
FB6171	.7500	X	1.375	23,55
FB6172	1.0000	X	.875	24,55
FB6173	1.0000	X	1.187	24,70
FB6174	1.0000	X	1.375	24,95
FB6175	1.5000	X	1.125	31,45
FB6176	1.5000	X	1.375	31,90
FB6177	1.5000	X	1.625	32,35



Tapered Interlocks round - male WG 4585

Female	O.D. +.0000 / -.0005	I.D.	L	M +.015 / -.020	Tap Size
.5000x.875	.5000	.312	.312	.875	10-24
.5000x1.187	.5000	.312	.312	1.187	10-24
.5000x1.375	.5000	.312	.312	1.375	10-24
.7500x.875	.7500	.500	.281	.875	1/4-20
.7500x1.187	.7500	.500	.281	1.187	1/4-20
.7500x1.375	.7500	.500	.281	1.375	1/4-20
1.0000x.875	1.0000	.625	.343	.875	1/4-20
1.0000x1.187	1.0000	.625	.343	1.187	1/4-20
1.0000x1.375	1.0000	.625	.343	1.375	1/4-20
1.5000x1.125	1.5000	1.000	.500	1.125	5/16-18
1.5000x1.375	1.5000	1.000	.500	1.375	5/16-18
1.5000x1.625	1.5000	1.000	.500	1.625	5/16-18



☐ Shock resistant Steel
 ☐ Hardened
 ☐ Precision Ground

PART NO.	OD	x	L	PRICE
FB6178	.5000	X	.875	21,75
FB6179	.5000	X	1.187	22,10
FB6180	.5000	X	1.375	22,25
FB6181	.7500	X	.875	21,90
FB6182	.7500	X	1.187	22,00
FB6183	.7500	X	1.375	22,10
FB6184	1.0000	X	.875	23,20
FB6185	1.0000	X	1.187	23,40
FB6186	1.0000	X	1.375	23,55
FB6187	1.5000	X	1.125	30,00
FB6188	1.5000	X	1.375	30,40
FB6189	1.5000	X	1.625	30,85



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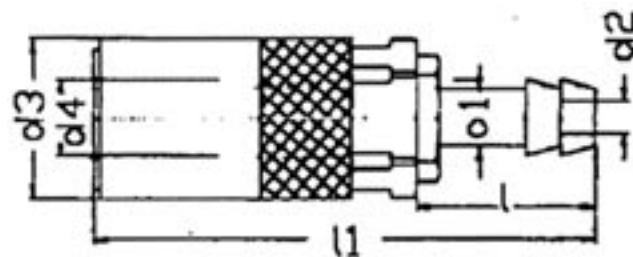
COOLING ITEMS

SECTION



HK Quick Coupling without valve WG 4109

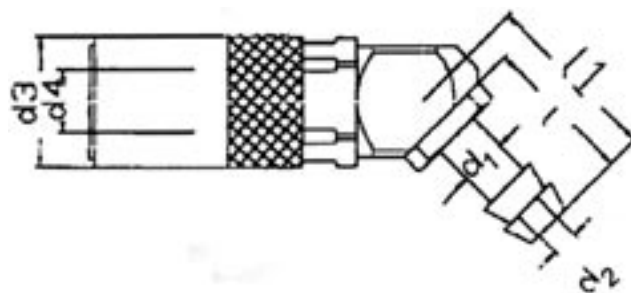
Size HK °	d1	d2	d3	d4	l	l1
HK 6-06	6 1/4"	4.5	17	9	20	51
HK 6-08	8 5/16"	6.0	17	9	20	51
HK 6-09	9 5/14"	6.0	17	9	20	51
HK 6-10	10 3/8"	6.0	17	9	20	51
HK 9-10	10 3/8"	8.5	23	13	27	68
HK 9-11	11 7/16"	9.0	23	13	27	68
HK 9-13	13 1/2"	10.0	23	13	27	68
HK 16-13	13 1/2"	10.0	30	20	37	94
HK 16-20	20 3/4"	16.0	30	20	37	94



PART NO.	DESCRIPTION	PRICE
FL0035	HK6-06	5,25
FL0034	HK6-09	5,25
FL0036	HK9-11	8,25
FL0037	HK9-13	8,25
FL0038	HK16-20	12,00

HK 45°Quick Coupling without valve WG 4110

Size HK 45°	d1	d2	d3	d4	l	l1
HK 6-06-45°	6 1/4"	4.5	18.0	9.0	20.0	25.0
HK 6-08-45°	8 5/16"	6.0	18.0	9.0	20.0	25.0
HK 6-09-45°	9 5/14"	6.0	18.0	9.0	20.0	25.0
HK 6-10-45°	10 3/8"	6.0	18.0	9.0	20.0	25.0
HK 9-10-45°	10 3/8"	8.5	23.0	13.0	27.0	38.0
HK 9-11-45°	11 7/16"	9.0	23.0	13.0	27.0	38.0
HK 9-13-45°	13 1/2"	10.0	23.0	13.0	27.0	38.0
HK 16-13-45°	13 1/2"	10.0	30.0	20.0	46.0	67.0
HK 16-20-45°	20 3/4"	16.0	30.0	20.0	46.0	67.0

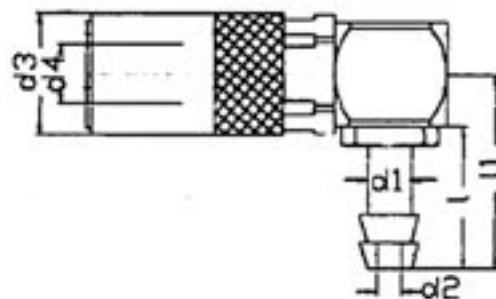


PART NO.	DESCRIPTION	PRICE
FL0040	HK6-06-45°	6,75
FL0039	HK6-09-45°	6,75
FL0041	HK9-11-45°	13,00
FL0042	HK9-13-45°	13,00

HK 90° Quick Coupling without valve

WG 4111

Size HK 90°	d1	d2	d3	d4	l	l1
HK 6-06-90°	6 1/4"	4.5	18.0	9.0	20.0	25.0
HK 6-08-90°	8 5/16"	6.0	18.0	9.0	20.0	25.0
HK 6-09-90°	9 5/14"	6.0	18.0	9.0	20.0	25.0
HK 6-10-90°	10 3/8"	6.0	18.0	9.0	20.0	25.0
HK 9-10-90°	10 3/8"	8.5	23.0	13.0	27.0	38.0
HK 9-11-90°	11 7/16"	9.0	23.0	13.0	27.0	38.0
HK 9-13-90°	13 1/2"	10.0	23.0	13.0	27.0	38.0
HK 16-13-90°	13 1/2"	10.0	30.0	20.0	46.0	67.0
HK 16-20-90°	20 3/4"	16.0	30.0	20.0	46.0	67.0

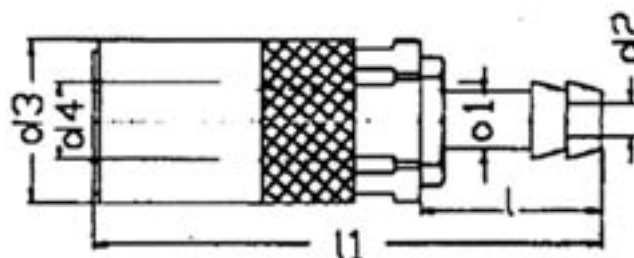


PART NO.	DESCRIPTION	PRICE
FL0043	HK6-06-90°	7,00
FL0044	HK6-09-90°	7,00
FL0045	HK9-11-90°	11,75
FL0046	HK9-13-90°	11,75
FL0362	HK16-20-90°	20,00

HVK Quick Coupling with valve

WG 4125

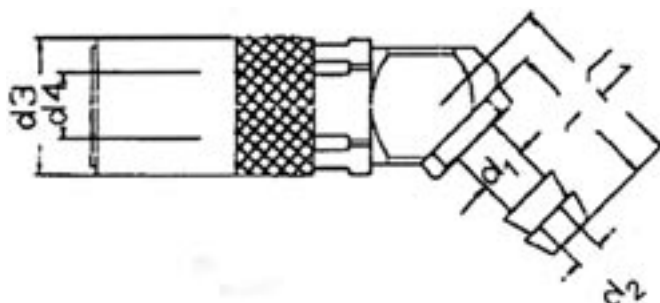
Size HVK	d1	d2	d3	d4	l	l1
HVK 6-06	6 1/4"	4.5	17	9	20	51
HVK 6-08	8 5/16"	6.0	17	9	20	51
HVK 6-09	9 5/14"	6.0	17	9	20	51
HVK 6-10	10 3/8"	6.0	17	9	20	51
HVK 9-10	10 3/8"	8.5	23	13	27	68
HVK 9-11	11 7/16"	9.0	23	13	27	68
HVK 9-13	13 1/2"	10.0	23	13	27	68
HVK 16-13	13 1/2"	10.0	30	20	37	94
HVK 16-20	20 3/4"	16.0	30	20	37	94



PART NO.	DESCRIPTION	PRICE
FL0047	HVK6-06	10,00
FL0048	HVK6-09	10,00
FL0049	HVK9-11	14,75
FL0050	HVK9-13	14,75
FL0051	HVK16-20	29,00

HVK 45° Quick Coupling with valve WG 4126

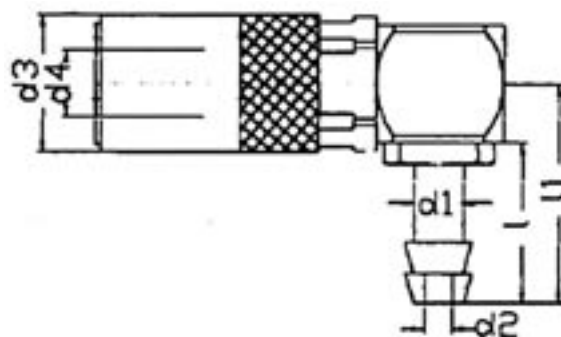
Size HVK 45°	d1	d2	d3	d4	l	l1
HVK 6-06-45°	6 1/4"	4.5	18.0	9.0	20.0	25.0
HVK 6-08-45°	8 5/16"	6.0	18.0	9.0	20.0	25.0
HVK 6-09-45°	9 5/14"	6.0	18.0	9.0	20.0	25.0
HVK 6-10-45°	10 3/8"	6.0	18.0	9.0	20.0	25.0
HVK 9-10-45°	10 3/8"	8.5	23.0	13.0	27.0	38.0
HVK 9-11-45°	11 7/16"	9.0	23.0	13.0	27.0	38.0
HVK 9-13-45°	13 1/2"	10.0	23.0	13.0	27.0	38.0
HVK 16-13-45°	13 1/2"	10.0	30.0	20.0	46.0	67.0
HVK 16-20-45°	20 3/4"	16.0	30.0	20.0	46.0	67.0



PART NO.	DESCRIPTION	PRICE
FL0052	HVK6-06-45°	13,00
FL0053	HVK6-09-45°	13,00
FL0054	HVK9-11-45°	20,75
FL0055	HVK9-13-45°	20,75
FL0056	HVK16-20-45°	45,00

HVK 90° Quick Coupling with valve WG 4127

Size HVK 90°	d1	d2	d3	d4	l	l1
HVK 6-06-90°	6 1/4"	4.5	18.0	9.0	20.0	25.0
HVK 6-08-90°	8 5/16"	6.0	18.0	9.0	20.0	25.0
HVK 6-09-90°	9 5/14"	6.0	18.0	9.0	20.0	25.0
HVK 6-10-90°	10 3/8"	6.0	18.0	9.0	20.0	25.0
HVK 9-10-90°	10 3/8"	8.5	23.0	13.0	27.0	38.0
HVK 9-11-90°	11 7/16"	9.0	23.0	13.0	27.0	38.0
HVK 9-13-90°	13 1/2"	10.0	23.0	13.0	27.0	38.0
HVK 16-13-90°	13 1/2"	10.0	30.0	20.0	46.0	67.0
HVK 16-20-90°	20 3/4"	16.0	30.0	20.0	46.0	67.0

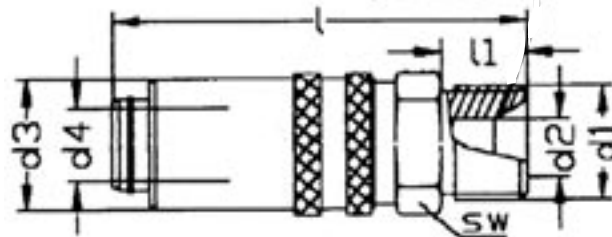


PART NO.	DESCRIPTION	PRICE
FL0057	HVK6-06-90°	13,00
FL0058	HVK6-09-90°	13,00
FL0059	HVK9-11-90°	20,00
FL0060	HVK9-13-90°	20,00

HK TG Quick Coupling without valve and male threat

WG 4147

Size	NW	d1	d3	d4	l	l1
HK 6 TG10	6,0	NPT 1/8	17,0	9,0	30,0	46,0
HK 6 TG13	6,0	NPT 1/4	17,0	9,0	30,0	47,0
HK 6 TG 17	6,0	NPT 3/8	17,0	9,0	30,0	51,0
HK 9 TG13	9,0	NPT 1/4	23,0	13,0	41,0	62,0
HK 9 TG17	9,0	NPT 3/8	23,0	13,0	41,0	63,0
HK 9 TG21	9,0	NPT 1/2	23,0	13,0	41,0	67,0
HK 16 TG21	13,0	NPT 1/2	32,0	20,0	57,0	85,0
HK 16 TG24	13,0	NPT 3/4	32,0	20,0	57,0	87,0

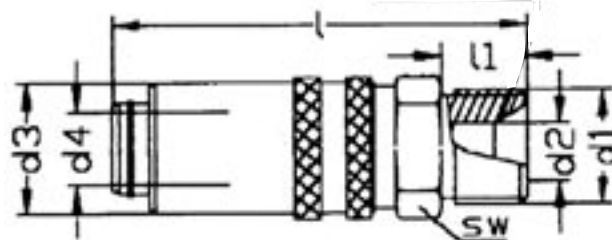


PART NO.	DESCRIPTION	PRICE
FL0637	HK 6 TG 10	9,90
FL0638	HK 6 TG 13	9,90
FL0639	HK 6 TG 17	12,80
FL0640	HK 9 TG 13	14,60
FL0641	HK 9 TG 17	14,60
FL0642	HK 9 TG 21	15,50

HVK TG Quick Coupling with valve and male threat

WG 4150

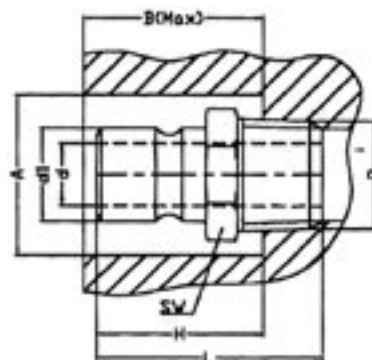
Size	NW	d1	d3	d4	l	l1
HVK 6 TG10	6,0	NPT 1/8	17,0	9,0	30,0	46,0
HVK 6 TG13	6,0	NPT 1/4	17,0	9,0	30,0	47,0
HVK 6 TG 17	6,0	NPT 3/8	17,0	9,0	30,0	51,0
HVK 9 TG13	9,0	NPT 1/4	23,0	13,0	41,0	62,0
HVK 9 TG17	9,0	NPT 3/8	23,0	13,0	41,0	63,0
HVK 9 TG21	9,0	NPT 1/2	23,0	13,0	41,0	67,0
HVK 16 TG21	13,0	NPT 1/2	32,0	20,0	57,0	85,0
HVK 16 TG24	13,0	NPT 3/4	32,0	20,0	57,0	87,0



PART NO.	DESCRIPTION	PRICE
FL0643	HVK 6 TG 10	14,60
FL0644	HVK 6 TG 13	14,60
FL0645	HVK 6 TG 17	15,50
FL0646	HVK 9 TG 13	18,92
FL0647	HVK 9 TG 17	19,94
FL0648	HVK 9 TG 21	21,96

TU Plug without valve and male thread WG 4153

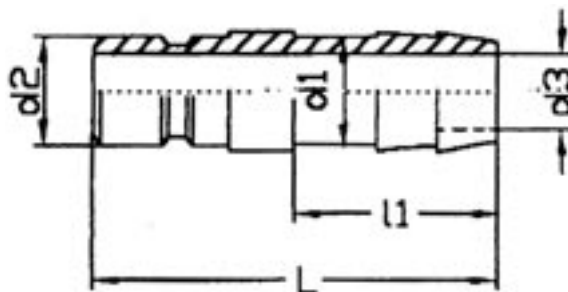
Size TU	R	d1	H	A	SW	B	L
6 TU 10	1/8"	9	17	22	11	18	24
6 TU 13	1/4"	9	19	26	14	20	29
6 TU 17	3/8"	9	21	30	14	22	30
9 TU 10	1/8"	13	25	26	14	26	34
9 TU 13	1/4"	13	25	26	14	26	34
9 TU 17	3/8"	13	26	30	17	30	34
9 TU 21	1/2"	13	26	37	22	32	39
16 TU 13	1/4"	20	37	30	21	32	41
16 TU 17	3/8"	20	37	32	21	32	41
16 TU 21	1/2"	20	38	32	22	32	39
16 TU 26	3/4"	20	38	38	22	38	45



PART NO.	DESCRIPTION	PRICE	PART NO.	DESCRIPTION	PRICE
FL0598	6 TU 10	1,03	FL0604	9 TU 21	2,41
FL0599	6 TU 13	1,17	FL0605	16 TU 17	2,79
FL0600	6 TU 17	1,47	FL0606	16 TU 21	3,23
FL0601	9 TU 10	1,17	FL0607	16 TU 26	4,69
FL0602	9 TU 13	1,24			
FL0603	9 TU 17	1,47			

HU Hose plug WG 4139

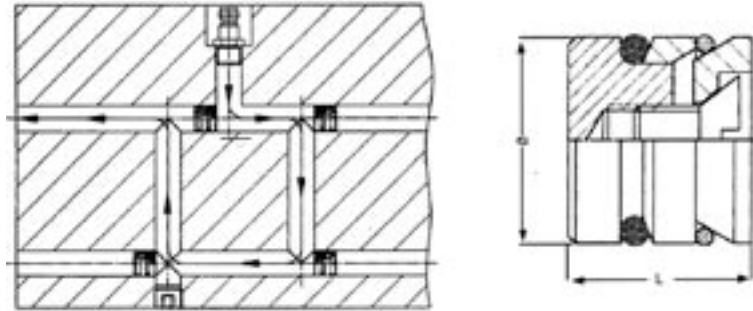
Size HU	d	d1	d2	L	l1
6 HU 06	9.0	6 1/4"	4.5	37.0	17.0
6 HU 08	9.0	8 5/16"	6.0	37.0	17.0
6 HU 09	9.0	9 5/14"	6.0	37.0	17.0
6 HU 10	9.0	10 3/8"	6.0	37.0	17.0
6 HU 13	9.0	13 1/2"	6.0	40.0	23.0
9 HU 10	13.0	10 3/8"	7.0	41.0	23.0
9 HU 13	13.0	13 1/2"	9.0	41.0	23.0



PART NO.	DESCRIPTION	PRICE
FL0212	6 HU 10	1,50
FL0213	9 HU 13	2,25
FL0359	9EN-G13T	1,75
FL0384	9EN-G17T	2,00
FL0214	16 HU 13	7,25
FL0358	16EN-G17T	7,75
FL0383	16EN-G21T	8,50

Threadless Pressure Plug WG 4108

Size DKT	D	L
DKT-06	6.0	10
DKT-07	7.0	10
DKT-08	8.0	10
DKT-8.5	8.5	10
DKT-10	10.0	10
DKT-12	12.0	10
DKT-14	14.0	12
DKT-16	16.0	12



PART NO.	DESCRIPTION	PRICE
FL0069	DKT06	1,20
FL0070	DKT08	1,20
FL0071	DKT10	1,28
FL0072	DKT12	1,30
FL0073	DKT14	1,73
FL0074	DKT16	1,73



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