

Hoffmann Quality Tools USA, Inc. - P.O. Box 30699, Knoxville, TN 37930, USA

Internal eShop
Hoffmann Quality Tools USA, Inc.
138 Sherlake Lane Building 9
KNOXVILLE TN 37922
USA

Delivery address:
Hoffmann Quality Tools USA, Inc.
138 Sherlake Lane Building 9
KNOXVILLE TN 37922
USA

Quotation No.: 24517142

Date: 08/05/2022
Quotation is valid until: 09/01/2023

Invoice recipient:
Hoffmann Quality Tools USA, Inc.
138 Sherlake Lane Building 9
KNOXVILLE TN 37922
USA

Your contact person:

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Customer No.: 9510951

Your phone No.:
Your Fax No.:
Your Email:
Your VAT No.:
Incoterm: DDP
Payment terms:
Within 30 days without deduction

Your enquiry from 08/05/2022 / GACC/ICATT Mechatronics Exam

Dear Sir/Madam,

Thank you for your enquiry.
Please find attached to this covering letter our quotation for the requested products.

We hope that our offer is of interest to you and look forward to receiving your order.
Please do not hesitate to contact us should you have any queries.

Attachment:
Quotation No. 24517142

The illustrations show the standard catalogue version

Due to the volatile development on the raw material and energy market, we can unfortunately only give you a binding assurance of the offer price until the date indicated. After expiry of this offer period, we reserve the right to carry out a recalculation of individual components and to submit an adjusted offer to you.

Position Your pos.	Item No. Size Your article code	Catalogue Vol./Page	53 Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
10	*** I. Quality Measuring Equipment***					
20	410625 150 Caliper with thumb locking Make: HOLEX https://www.hoffmann-group.com/p/410625-150	522 / 30	1	36.83	23.00- %	28.36


Version

Satin chromium plated anti-glare reading parts. Fine, high-contrast scale. Precision lapped measuring faces.

30	452590 100X70 STEEL SQUARE WITHOUT BASE, ACC.2 Make: HOLEX https://www.hoffmann-group.com/p/452590-100X70	522 / 153	1	13.76	24.00- %	10.46
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Application

For accurate general workshop work.

Version

All faces and edges ground. Inspection test faces ground.

40	452600 100X70 Try square, accuracy class 2 Make: HOLEX https://www.hoffmann-group.com/p/452600-100X70	522 / 153	1	19.75	24.00- %	15.01
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Version

All faces and edges ground. Inspection test faces ground.

Application

For accurate general workshop work.

Carry forward: Total item value

53.83

Position Your pos.	Item No. Size Your article code	Catalogue Vol./Page	53 Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						53.83

50	450010 100X70 Bevel square stainl., accuracy 00 Make: GARANT https://www.hoffmann-group.com/p/450010-100X70	522 / 151	1	88.44	24.00- %	67.21
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Version

Very high accuracy. With two bevelled straight edges on the long blade. Through hardened and stress-relieved. Test faces ground and lapped, other faces ground.

Application

For inspection work using the light gap principle.

60 ***II. Tools for Each Test Taker***

70	458800 Straight carbide scriber Make: HOLEX https://www.hoffmann-group.com/p/458800	522 / 159	1	5.14	24.00- %	3.91
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Application

Particularly suitable for marking extra hard materials.

Version

Straight form; sturdy shank with carbide point, shank hexagon coupling 6 mm

80	749200 100 Mechanics centre punch Make: PB SWISS TOOLS https://www.hoffmann-group.com/p/749200-100	522 / 796	1	8.58	29.00- %	6.09
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Version

Made of round steel; knurled shank. Through hardened, head specially annealed to prevent splintering. Special quality, i.e. highest possible tip hardness – approx. 59 HRC – with exceptional toughness.

90	750110 800 HAMMER WITH HICKORY HANDLE Make: GARANT https://www.hoffmann-group.com/p/750110-800	522 / 797	1	39.64	29.00- %	28.14
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Carry forward: Total item value						159.18
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Position Your pos.	Item No. Size Your article code	Catalogue 53 Vol./Page	Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						159.18



Standard
Hammer head to **DIN 1041**.

Version

With **hickory handle** ergonomic shape, varnished.
Hammer head drop-forged and ground to size. Carefully hardened and tempered. Head painted, face and peen bright finished.
With nylon handle protection sleeve. Size 200 – 1000 additionally with forged-on handle protection collar.

100	753100 40G Soft mallet, super plastic inserts white Make: Halder norm+technik https://www.hoffmann-group.com/p/753100-40G	522 / 803	1	65.43	29.00- %	46.46
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Application
Size **A = Aluminium housing**: For light work, e.g. positioning.
Size **G = Annealed cast iron housing**: For heavy, powerful blows, e.g. driving machine parts into position etc.

Version

Sturdy, two-piece clamp housing with two exchangeable striking inserts. Suitable inserts are available for various types of work.
All insert types can also be combined with each other.

Soft-faced hammers and driving mallets: Aluminium or annealed cast iron housing; wooden handle.

Note

Size codes **A** = Aluminium housing; **G** = Annealed cast iron housing.

110	580400 Hacksaw frame, 18-32 TPI Make: GARANT https://www.hoffmann-group.com/p/580400	522 / 419	1	29.63	33.00- %	19.85
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Version

Hacksaw frame developed based on the latest ergonomic findings for non-fatiguing work with maximum cutting rates. Extremely lightweight, high strength two-component frame with anti-slip inserts for a secure grip. Blade tension up to 1000 N(100 kP) is easily achieved using the integral tensioning nut within the handle. Alternative blade setting at 55° for flush cutting. Overall length 395 mm.
The bow saw with its prominent bow frame is characterised by the u-shaped bow which tensions the saw blades. The limitation in depth of cut of hand bow saws is presented by the distance from the blade to the bow. This frame shape permits the use of particularly slim saw blades, which in other frame shapes would be liable to buckle when subjected to cutting movements with the force in alternate senses or other than in the pulling sense. Thanks to the thin hacksaw blades the metal cutting effort required is reduced, because of the small cutting width. Thus this type of saw is the classic standard for hacksaw work in metalworking.

Supplied with

Supplied with GARANT bi-metal hacksaw blade 1x No. 582500: progressive 18 – 32 tpi.

120	582950 Hacksaw blade, bimetal, 24 TPI Make: GARANT https://www.hoffmann-group.com/p/582950	522 / 420	10	1.65	33.00- %	11.05
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Carry forward: Total item value

236.54

Position Your pos.	Item No. Size Your article code	Catalogue 53 Vol./Page	Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						236.54

Version

High performance hacksaw blade with very high cutting performance and very long working life. Made of bimetal = Teeth of hardened HSS, back of highly flexible spring steel. Unbreakable – Safety at work!
Dimensions: 300x13x0.65 mm.

Note

Power saw blades, see No. 171000 / 171150.

130	510100 150 MACHINIST'S FILE FLAT 150MM CUT 1 Make: DICK https://www.hoffmann-group.com/p/510100-150	522 / 296	1	9.32	41.00- %	5.50
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**Standard
DIN 7261 form A**
Application

The **quality file** for workshop use with long tool life and high removal rate.

Version

The blanks are forged and ground; manufactured with an exact cut of even density and depth using special machines. These non-convex files have tooth profiles appropriate to each grade of file.

Cuts on 3 faces; square end.

140	510300 150 Engineer's hand file, smooth (cut 3) Make: DICK https://www.hoffmann-group.com/p/510300-150	522 / 296	1	9.81	41.00- %	5.79
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**Standard
DIN 7261 form A**
Application

The **quality file** for workshop use with long tool life and high removal rate.

Version

The blanks are forged and ground; manufactured with an exact cut of even density and depth using special machines. These non-convex files have tooth profiles appropriate to each grade of file.

Cuts on 3 faces; square end.

150	510100 250 MACHINIST'S FILE FLAT 250MM CUT 1 Make: DICK https://www.hoffmann-group.com/p/510100-250	522 / 296	1	14.74	41.00- %	8.70
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Carry forward: Total item value
256.53

Position Your pos.	Item No. Size Your article code	Catalogue 53 Vol./Page	Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						256.53

**Standard
DIN 7261 form A**

Application

The **quality file** for workshop use with long tool life and high removal rate.

Version

The blanks are forged and ground; manufactured with an exact cut of even density and depth using special machines. These non-convex files have tooth profiles appropriate to each grade of file.

Cuts on 3 faces; square end.

160	511100 150 MACHINIST FILE THREE SQUARE 150MM CUT1 Make: DICK https://www.hoffmann-group.com/p/511100-150	522 / 296	1	11.59	41.00- %	6.84
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**Standard
DIN 7261 form C**

Application

The **quality file** for workshop use with long tool life and high removal rate.

Version

The blanks are forged and ground; manufactured with an exact cut of even density and depth using special machines. These non-convex files have tooth profiles appropriate to each grade of file.

Cuts on all faces; convex end.

170	511300 150 MACHINIST FILE THREE SQUARE 150MM CUT3 Make: DICK https://www.hoffmann-group.com/p/511300-150	522 / 296	1	12.60	41.00- %	7.43
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**Standard
DIN 7261 form C**

Application

The **quality file** for workshop use with long tool life and high removal rate.

Version

The blanks are forged and ground; manufactured with an exact cut of even density and depth using special machines. These non-convex files have tooth profiles appropriate to each grade of file.

Cuts on all faces; convex end.

175	514100 150 MACHINIST'S FILE ROUND 150MM CUT 1 Make: DICK https://www.hoffmann-group.com/p/514100-150	522 / 297	1	8.61	41.00- %	5.08
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Carry forward: Total item value						275.88
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Position Your pos.	Item No. Size Your article code	Catalogue 53 Vol./Page	Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						275.88

**Standard
DIN 7261 form F**

Application

The **quality file** for workshop use with long tool life and high removal rate.

Version

The blanks are forged and ground; manufactured with an exact cut of even density and depth using special machines. These non-convex files have tooth profiles appropriate to each grade of file.

With helical cut; convex end.

180	514300 150 MACHINIST'S FILE ROUND 150MM CUT 3 Make: DICK https://www.hoffmann-group.com/p/514300-150	522 / 297	1	9.81	41.00- %	5.79
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**Standard
DIN 7261 form F**

Application

The **quality file** for workshop use with long tool life and high removal rate.

Version

The blanks are forged and ground; manufactured with an exact cut of even density and depth using special machines. These non-convex files have tooth profiles appropriate to each grade of file.

With helical cut; convex end.

190	512100 150 MACHINIST'S FILE SQUARE 150MM CUT 1 Make: DICK https://www.hoffmann-group.com/p/512100-150	522 / 297	1	10.15	41.00- %	5.99
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**Standard
DIN 7261 form D**

Application

The **quality file** for workshop use with long tool life and high removal rate.

Version

The blanks are forged and ground; manufactured with an exact cut of even density and depth using special machines. These non-convex files have tooth profiles appropriate to each grade of file.

Cuts on all faces; convex end.

200	512300 150 MACHINIST'S FILE SQUARE 150MM CUT 3 Make: DICK https://www.hoffmann-group.com/p/512300-150	522 / 297	1	11.26	41.00- %	6.64
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Carry forward: Total item value						294.30
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Position Your pos.	Item No. Size Your article code	Catalogue 53 Vol./Page	Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						294.30

**Standard
DIN 7261 form D**

Application

The **quality file** for workshop use with long tool life and high removal rate.

Version

The blanks are forged and ground; manufactured with an exact cut of even density and depth using special machines. These non-convex files have tooth profiles appropriate to each grade of file.

Cuts on all faces; convex end.

210	513100 150 Engineer's file, half round, cut 1 Make: DICK https://www.hoffmann-group.com/p/513100-150	522 / 297	1	15.36	41.00- %	9.06
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**Standard
DIN 7261 form E**

Application

The **quality file** for workshop use with long tool life and high removal rate.

Version

The blanks are forged and ground; manufactured with an exact cut of even density and depth using special machines. These non-convex files have tooth profiles appropriate to each grade of file.

With helical cut; convex end.

220	513300 150 Engineer's file, half round, cut 3 Make: DICK https://www.hoffmann-group.com/p/513300-150	522 / 297	1	16.38	41.00- %	9.66
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**Standard
DIN 7261 form E**

Application

The **quality file** for workshop use with long tool life and high removal rate.

Version

The blanks are forged and ground; manufactured with an exact cut of even density and depth using special machines. These non-convex files have tooth profiles appropriate to each grade of file.

With helical cut; convex end.

230	U52001 6 5-1/2# Needle file set MFG PART #: FT60131062 ***Lead time 5-7 days ARO***		1	5.85		5.85
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Carry forward: Total item value						318.87
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Position Your pos.	Item No. Size Your article code	Catalogue Vol./Page	53 Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						318.87

240	576000 80X20 File cleaner steel wire Make: LESSMANN® https://www.hoffmann-group.com/p/576000-80X20	522 / 418	1	7.10	40.00- %	4.26
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Application

For cleaning serrated surfaces, such as files or the like. Soft steel wire bristles, specially for **precision files**.

Version

Bristles of steel wire.

250	836320 Mechanics scraper with wooden handle Make: RENNSTEIG https://www.hoffmann-group.com/p/836320	522 / 864	1	10.00	21.00- %	7.90
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Version

Slim three-square hollow section blade.
Chrome vanadium steel, wooden handle.

260	747500 4 Mechanics Pin punch Make: PB SWISS TOOLS https://www.hoffmann-group.com/p/747500-4	522 / 795	1	7.91	29.00- %	5.62
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Version

Round steel, exceptionally slim and handy. With knurled shank. Through hardened, head specially annealed to prevent splintering. Highest possible tip hardness (approx. 59 HRC) with exceptional toughness. Actual Ø 0.05 - 0.5 mm less than nominal Ø, prevents the pin punch jamming in the hole.

270	747500 5 Mechanics Pin punch Make: PB SWISS TOOLS https://www.hoffmann-group.com/p/747500-5	522 / 795	1	8.11	29.00- %	5.76
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Version

Round steel, exceptionally slim and handy. With knurled shank. Through hardened, head specially annealed to prevent splintering. Highest possible tip hardness (approx. 59 HRC) with exceptional toughness. Actual Ø 0.05 - 0.5 mm less than nominal Ø, prevents the pin punch jamming in the hole.

280	627327 9 Hexag. key L-wrench set, ball-point Make: HOLEX https://www.hoffmann-group.com/p/627327-9	522 / 496	1	42.46	30.00- %	29.72
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Carry forward: Total item value
372.13

Position Your pos.	Item No. Size Your article code	Catalogue Vol./Page	53 Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						372.13

Version

L-form shaft; ball point can be applied up to an angle of 30°.
Chrome vanadium steel, through hardened (toughened), surface manganese phosphated.

290	666950 4/2 Screwdriver setblade and Phillips Make: GARANT https://www.hoffmann-group.com/p/666950-4/2	522 / 636	1	68.44	28.00- %	49.28
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Version

Power grip with non-allergenic, easy-grip Haptoprene surface and impact-resistant polypropylene core. Blade of chrome vanadium special alloy combining maximum hardness and exceptional toughness. Black tip.

Supplied with

1 each slot-head screwdriver No. 660030 size 3.5; 4; 5.5; 6.5.
1 each screwdriver for Phillips No. 667690 size 1; 2.

300	667690 0 Screwdriver PH Make: GARANT https://www.hoffmann-group.com/p/667690-0	522 / 644	1	9.29	28.00- %	6.69
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Version

Power grip with non-allergenic secure grip surface and a particularly tough impact resistant polypropylene core. The special surface structure allows transmission of high torques, even with wet or oily hands. Blade of chrome vanadium special alloy combining maximum hardness and exceptional toughness. Surface nickel-plated and chrome-plated, black tip.
Power grip with easy-to-hold, easy-grip **Haptoprene** surface.

310	862200 87 PARALLEL SCREW CLAMP Make: Bessey® https://www.hoffmann-group.com/p/862200-87	522 / 905	2	13.02	32.00- %	17.71
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Version

Jaws entirely of steel, parallel adjustment by 2 screw spindles, bright galvanised.

320	110015 EN ZHB Theory part EN https://www.hoffmann-group.com/p/110015-EN	521 / 24	1	17.84	3.00- %	17.30
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Carry forward: Total item value
463.11

Position Your pos.	Item No. Size Your article code	Catalogue 53 Vol./Page	Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						463.11



Version
Theoretical basic principles of machining, individually.

Note
The machining theory handbook is also available in the languages Czech, Hungarian and Romanian. Please contact your Hoffmann representative if you require a copy.

330	519600 110 GARANT 2K-Ergonomic handle Make: GARANT https://www.hoffmann-group.com/p/519600-110	522 / 301	11	2.95	41.00- %	19.15
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Application
For all workshop, key, and precision files.

Version
Ergonomic 2-component file handle with hole for hanging up and practical colour code clips (red, green, yellow) for individual marking of, for example, the cut. The non-slip surface and ergonomic shape ensure non-tiring power transmission even in wet or oily hands. Reversible reduction inserts ensure a secure grip on all tangs.

Supplied with
File handle including 1 red, 1 green and 1 yellow colour-coded clip.

340	723040 160 H/D side cutters chrom plated Make: GARANT https://www.hoffmann-group.com/p/723040-160	522 / 745	1	48.23	30.00- %	33.76
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Standard
DIN ISO 5749

Application
For all types of wire (long working life even with hard wire). Heavy duty for the most demanding applications.

Version
Heavy-duty head with additionally induction hardened cutting edges (approx. 64 HRC). Laid-on joint. High cutting performance due to optimum leverage.
Jaws chrome-plated, handles with ergonomically optimised multi-component covering, with non-slip **Haptoprene®** surface.

350	700940 160 Combination pliers, chrome-plated Make: GARANT https://www.hoffmann-group.com/p/700940-160	522 / 721	1	30.28	30.00- %	21.20
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Carry forward: Total item value						537.22
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Position Your pos.	Item No. Size Your article code	Catalogue 53 Vol./Page	Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						537.22



**Standard
DIN ISO 5746.**

Version

Serrated jaws. Cutting edges additionally induction hardened (approx. 60 HRC).
Jaws chrome-plated, handles with ergonomically optimised multi-component coverings with non-slip **Haptoprene** surface.

360	713440 160 Bent nose plier chrom. Plated Make: GARANT https://www.hoffmann-group.com/p/713440-160	522 / 736	1	40.18	30.00- %	28.13
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**Standard
DIN ISO 5745**

Version

Very long snipe nose jaws. Cutting edges induction hardened (approx. 61 HRC), suitable for hard and soft wire. Serrated inside jaws.
Jaws chrome-plated, handles with ergonomically optimised multi-component coverings with non-slip **Haptoprene** surface.

370	728645 10 Automatic wire stripper stripax Make: Weidmüller https://www.hoffmann-group.com/p/728645-10	522 / 765	1	196.28	31.00- %	135.43
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Version

Very sturdy, lightweight body made of glass fibre-reinforced plastic. The blades adjust automatically to the various cable diameters. The insulation is cut and removed in one operation. With length stop and wire cutter.
Upper handle piece can be taken off, allowing variable handle sizes for large and small hands (from size 6UL). Can also be partly removed.

380	729950 Automatic cable tie gun Make: HOLEX https://www.hoffmann-group.com/p/729950	522 / 782	1	172.62	33.00- %	115.66
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Application

Pre-set tightening and flush cut-off of cable ties in a single operation. Adjustable tensile force. The cable ties are cut cleanly with no sharp edges. The cut strip is retained within the gun.
For plastic cable ties.

390	ZS6099 5 Press Out Tool for Crimping Make: HOFFMANN		1	65.34	13.00- %	56.85
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Carry forward: Total item value

873.29

Position Your pos.	Item No. Size Your article code	Catalogue Vol./Page	53 Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						873.29

400	729540 6,0/K Four-Mandr.Crimp.plier MicroC. w.Locator Make: KNIPEX® https://www.hoffmann-group.com/p/729540-6,0/K	522 / 778	1	1,150.19	37.00- %	724.62
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Version

Use the check pin supplied to check the basic setting. Reliable crimping due to positive barrier and synchronised advance of the crimping pins. Crimp mandrel advance can be adjusted in steps of 0.01 mm. With standard contact mounting for Harting, HTS, Ilme and comparable contacts.

Supplied with

Four-pin crimp tool in a case.

Application

For turned pin and socket contacts

410	728000 4-16 DISMANTLING KNIFE, STRAIGHT BLADE Make: Jokari® https://www.hoffmann-group.com/p/728000-4-16	522 / 763	1	19.29	31.00- %	13.31
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Version

Twist knife for circular and longitudinal cut; adjustable depth of cut. The Vee-shape cable holder adjusts automatically to the required cable Ø. The cable sheath is cut by twisting and pulling the cutter. Supplied with 1 spare blade in the handle. **Knife with TiN-coated blade** for longer working life.

420	769980 22 Tube cutting-scissor Make: HOLEX https://www.hoffmann-group.com/p/769980-22	522 / 819	1	58.07	32.00- %	39.49
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Application

Clean cutting **without crushing** due to the Vee-shaped cutter. Ideal for cutting hoses and also for some plastic pipes.

Version

Sturdy hose shears for clean cutting. Broad Vee pad for hoses or plastic pipes. Exchangeable, specially hardened blades. The shears are spring loaded when opening and can be locked. Shears body of die-cast zinc. Cutter with PTFE anti-friction coating.

Note

For plastic pipe shears see No. 819670; 819681; 819700.

430	729709 F28/95 Crimping tool for cable shoes Make: GARANT https://www.hoffmann-group.com/p/729709-F28/95	522 / 777	1	238.90	30.00- %	167.23
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Carry forward: Total item value						1,817.94
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Position Your pos.	Item No. Size Your article code	Catalogue Vol./Page	53 Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						1,817.94


Version

Steel body with compound action. Defined crimping force accurately ensured by integral stop function.
 GARANT: Made of high-tensile special steel. Ergonomically optimised soft anti-slip handles. Optimum crimping due to special profile geometry.

440	729411 10 Crimping tool for terminals Make: GARANT https://www.hoffmann-group.com/p/729411-10	522 / 771	1	269.74	30.00- %	188.82
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Version

Steel body with compound action. Defined crimping force accurately ensured by integral stop function.
 GARANT: Easy to use, the jaws cover the entire crimping range, terminal sleeves are inserted from the front. Parallel jaw movement ensures equal crimping over the whole terminal sleeve length. Ergonomically designed handles with anti-slip protection. Crimp profile to DIN 46228.

450	730090 165 Small cable cutter Make: KNIPEX® https://www.hoffmann-group.com/p/730090-165	522 / 782	1	53.96	37.00- %	33.99
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Application

For cutting copper and aluminium cables.

Version

Head with sickle-shaped blades. Scissors burnished, plastic coated handles.
 Cuts smoothly and cleanly without crushing.

460	U09999 ##U0002 36 Piece Stamp Set P/N-NE601436		1	29.39		29.39
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470	700145 4 Circlip pliers set, 4 pieces Make: HOLEX https://www.hoffmann-group.com/p/700145-4	522 / 720	1	98.86	28.00- %	71.18
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Standard

DIN 5254 A – straight jaws, for external circlips.

Version

Drop forged from a single piece of steel, plastic coated handles.

Supplied with

1 each circlip pliers No. 719905 size A0; A1; A2; A3.

Carry forward: Total item value						2,141.32
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Position Your pos.	Item No. Size Your article code	Catalogue Vol./Page	53 Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						2,141.32

480 ***III. Test Equipment***

490	453200 85X150 PROTRACTOR,WITH CLOSED ANGLE SCALE Make: HOLEX https://www.hoffmann-group.com/p/453200-85X150	522 / 153	1	33.64	24.00- %	25.57
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Version
Solid semicircular graduated arc with graduation 0 – 180°; reading 1°. Scale plate non-glare chrome-plated. With clamping nut.

500	477500 1-7 Radius gauge Make: HOLEX https://www.hoffmann-group.com/p/477500-1-7	522 / 213	1	24.58	24.00- %	18.68
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Application
For checking internal and external radii.

Version
Made of steel; precision concave and convex gauges. Flat retaining clip with clamping screws for holding the blades (except size 0.5 - 13). Each marked with the respective radius.

510	461600 300 Stainless steel rule,flexible Make: HOLEX https://www.hoffmann-group.com/p/461600-300	522 / 162	1	11.73	24.00- %	8.91
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Version
Of special stainless clock spring steel with ground measuring edges. Wide version. Upper and lower edges both with mm graduations. Very easy to read due to matt surface and sharp graduation scale. Graduations electrolytically etched. Matt non-reflective surface.

520	478100 20 Steel feeler gauge T3 ***Lead time 4-5 ARO*** Make: HOLEX https://www.hoffmann-group.com/p/478100-20	522 / 214	1	11.66	24.00- %	8.86
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Version
Hard spring steel blades, clearly labelled. Equal width steel blades, pivoted on a riveted joint to fold away. Tapered steel blades. In nickel-plated casing, with clamp. Steel feeler gauge, ground, accuracy T3. **Feeler gauge.**

Carry forward: Total item value						2,203.34
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Position Your pos.	Item No. Size Your article code	Catalogue Vol./Page	53 Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						2,203.34

530	412821 300 Dig. Caliper size 300 Make: HOLEX https://www.hoffmann-group.com/p/412821-300	522 / 33	1	268.65	23.00- %	206.86
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Standard

To manufacturer's standard.

Version

Large high-contrast digital display. The measuring faces are precision-lapped. Digital caliper with absolute scale, no zeroing required. Electronics switch off automatically after approx. 5 minutes and switch on again as soon as the tool is moved.

- Very high accuracy due to the glass scale.
- The electronics are decoupled from the casing and incorporated directly in the sliding part. The gauging force is transmitted directly to the measurement jaws. This reduces the liability of the caliper to errors and increases the working life.
- With sturdy metal body.

Supplied with

Including battery No. 081560 size CR2032.

540	484000 4 Plug gauge with fit H7 https://www.hoffmann-group.com/p/484000-4	522 / 226	1	27.97	28.00- %	20.14
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Standard

 Tolerance and dimensions to **DIN EN ISO 1938-1, DIN 2245-1 and DIN 7164.**
Version

 The "Go" ends of these working gauges have a **wear allowance** to DIN 7164. Measuring body made of first class gauge steel, hardened, stress-relieved, ground, and lapped. Plug gauge with tolerance class H7.

Note

- Further intermediate sizes available on request or can simply be ordered at www.hoffmann-group.com, for instance No. 484000 size 82.
- For **acceptance gauges** (without wear allowance) see No. 484027; 484028.
- For gauges with intermediate sizes and all Ø with numeric tolerances see No. 484025; 484026.

550	484000 5 Plug gauge with fit H7 https://www.hoffmann-group.com/p/484000-5	522 / 226	1	24.05	28.00- %	17.32
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560	420200 0-25 External micrometer, 0.01mm reading Make: HOLEX https://www.hoffmann-group.com/p/420200-0-25	522 / 55	1	33.55	28.00- %	24.16
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Carry forward: Total item value						2,471.82
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Position Your pos.	Item No. Size Your article code	Catalogue 53 Vol./Page	Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						2,471.82



Version
Precision lapped, carbide-tipped measuring faces.
 Hardened and ground measuring spindle.
 Locking by clamping lever.
 With ratchet and hand temperature protection.
 With clearly engraved, black divisions and numerals.
Supplied with
 From size 25-50 including 1 setting standard.

570	420200 25-50 External micrometer, 0.01mm reading Make: HOLEX https://www.hoffmann-group.com/p/420200-25-50	522 / 55	1	44.58	28.00- %	32.10
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Version
Precision lapped, carbide-tipped measuring faces.
 Hardened and ground measuring spindle.
 Locking by clamping lever.
 With ratchet and hand temperature protection.
 With clearly engraved, black divisions and numerals.
Supplied with
 From size 25-50 including 1 setting standard.

580 ***IV. Tools and Equipment***

590	457005 150 Spring caliper with fixed points Make: HOLEX https://www.hoffmann-group.com/p/457005-150	522 / 158	1	14.92	24.00- %	11.34
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Version
 Sturdy design with long arms, made of tool steel. Points and measuring faces ground and hardened. Solid spindle with adjusting nut for quick and fine adjustment. Annular spring provides constant spring tension.
 With fixed points.

600	085405 3 Numeral punch set 0 - 9, 10 pieces Make: PRYOR https://www.hoffmann-group.com/p/085405-3	522 / 1135	1	27.16	23.00- %	20.91
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Carry forward: Total item value						2,536.17
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Position Your pos.	Item No. Size Your article code	Catalogue 53 Vol./Page	Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						2,536.17



Application
For punching into materials with a **strength up to 1200 N/mm²**.

Version
Made of hard and tough steel with particularly precise machine engraving and depth tolerance; accurately centred. Calibrated shank, through hardened. Striking head enhancement for safe working. Supplied in a plastic case.
High performance precision punches, chemically nickel-plated, very long service life.
Normal script; i. e. the punched character can be read directly on the component.

Note
Other hand and machine punches of all types, such as punches with a company's logo etc., are available on request.

610	610900 6X7 Open ended spanner Make: HOLEX https://www.hoffmann-group.com/p/610900-6X7	522 / 453	1	3.72	30.00- %	2.60
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Standard
DIN 3110 / ISO 3318

Version
Drop-forged. With close tolerance jaw widths.
With oval shank.

620	610900 8X9 Open ended spanner Make: HOLEX https://www.hoffmann-group.com/p/610900-8X9	522 / 453	1	4.00	30.00- %	2.80
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Standard
DIN 3110 / ISO 3318

Version
Drop-forged. With close tolerance jaw widths.
With oval shank.

630	610900 10X11 Open ended spanner Make: HOLEX https://www.hoffmann-group.com/p/610900-10X11	522 / 453	1	4.77	30.00- %	3.34
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Standard
DIN 3110 / ISO 3318

Version
Drop-forged. With close tolerance jaw widths.
With oval shank.

Carry forward: Total item value						2,544.91
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Position Your pos.	Item No. Size Your article code	Catalogue Vol./Page	53 Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						2,544.91

640	610900 12X13 Open ended spanner Make: HOLEX https://www.hoffmann-group.com/p/610900-12X13	522 / 453	1	5.49	30.00- %	3.84
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Standard
DIN 3110 / ISO 3318

Version
Drop-forged. With close tolerance jaw widths.
With oval shank.

650	610900 24X27 Open ended spanner Make: HOLEX https://www.hoffmann-group.com/p/610900-24X27	522 / 453	1	14.42	30.00- %	10.09
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Standard
DIN 3110 / ISO 3318

Version
Drop-forged. With close tolerance jaw widths.
With oval shank.

660	U14005 41 TAP AND HEX DIE SET MFG PART #: ET516312		1	104.43	net	104.43
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Lead time 5-7 Days ARO

670	111005 1,6 Centre drill HSS, type A, DIN 333 Make: HOLEX https://www.hoffmann-group.com/p/111005-1,6	521 / 25	1	3.88	43.00- %	2.21
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Version
Ground from solid and relief ground, spiral fluted.

680	111005 2,5 Centre drill HSS, type A, DIN 333 Make: HOLEX https://www.hoffmann-group.com/p/111005-2,5	521 / 25	1	5.43	43.00- %	3.10
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690	114000 2,5 Jobber drill HSS,roll forged,typeN	521 / 39	1	0.71	43.00- %	0.40
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Carry forward: Total item value						2,668.98
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Position Your pos.	Item No. Size Your article code	Catalogue 53 Vol./Page	Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						2,668.98

Make: HOLEX
<https://www.hoffmann-group.com/p/114000-2,5>



Version

Roll forged, standard helix angle, core thickness and core taper.
 Dimensions to DIN 338.

No interruption in the material structure, so the drill is more resilient and suitable for arduous drilling tasks (e. g. with hand held drills). Economy version.

700	114000 3,3 Jobber drill HSS,roll forged,typeN Make: HOLEX https://www.hoffmann-group.com/p/114000-3,3	521 / 39	1	0.71	43.00- %	0.40
710	114000 3,8 Jobber drill HSS,roll forged,typeN Make: HOLEX https://www.hoffmann-group.com/p/114000-3,8	521 / 39	1	0.71	43.00- %	0.40
720	114000 4,2 Jobber drill HSS,roll forged,typeN Make: HOLEX https://www.hoffmann-group.com/p/114000-4,2	521 / 39	1	0.87	43.00- %	0.50
730	114000 4,8 Jobber drill HSS,roll forged,typeN Make: HOLEX https://www.hoffmann-group.com/p/114000-4,8	521 / 39	1	1.04	43.00- %	0.59
740	114000 5 Jobber drill HSS,roll forged,typeN Make: HOLEX https://www.hoffmann-group.com/p/114000-5	521 / 39	1	0.87	43.00- %	0.50
750	114000 5,5 Jobber drill HSS,roll forged,typeN Make: HOLEX https://www.hoffmann-group.com/p/114000-5,5	521 / 39	1	1.04	43.00- %	0.59
760	114000 5,8 Jobber drill HSS,roll forged,typeN Make: HOLEX https://www.hoffmann-group.com/p/114000-5,8	521 / 39	1	1.58	43.00- %	0.90

Carry forward: Total item value						2,672.86
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Position Your pos.	Item No. Size Your article code	Catalogue Vol./Page	53 Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						2,672.86
770	114000 6 Jobber drill HSS,roll forged,typeN Make: HOLEX https://www.hoffmann-group.com/p/114000-6	521 / 39	1	1.22	43.00- %	0.70
780	114000 6,6 Jobber drill HSS,roll forged,typeN Make: HOLEX https://www.hoffmann-group.com/p/114000-6,6	521 / 39	1	1.83	43.00- %	1.04
790	114000 8 Jobber drill HSS,roll forged,typeN Make: HOLEX https://www.hoffmann-group.com/p/114000-8	521 / 39	1	2.27	43.00- %	1.29
800	114000 10,5 Jobber drill HSS,roll forged,typeN Make: HOLEX https://www.hoffmann-group.com/p/114000-10,5	521 / 39	1	3.95	43.00- %	2.25
810	156420 DM Counterbore set, 6 pcs. in a case Make: GARANT https://www.hoffmann-group.com/p/156420-DM	521 / 196	1	190.13	36.00- %	121.68
	Version Set of the most commonly used counterbores for screws M3 – M4 – M5 – M6 – M8 – M10. Counterbore 156020 DM = through hole medium quality					
						
820	150065 5 Deburring Countersink, st/shank Make: GARANT https://www.hoffmann-group.com/p/150065-5	521 / 184	1	15.09	36.00- %	9.66
	Version Special cutter geometry for an easy peeling cut. The swarf is evacuated via the oblique hole towards the shank.					
						
830	150065 10 Deburring Countersink, st/shank	521 / 184	1	19.73	36.00- %	12.63
Carry forward: Total item value						2,822.11

Position Your pos.	Item No. Size Your article code	Catalogue Vol./Page	53 Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						2,822.11

Make: GARANT
<https://www.hoffmann-group.com/p/150065-10>

840	150065 15 Deburring Countersink, st/shank Make: GARANT https://www.hoffmann-group.com/p/150065-15	521 / 184	1	37.45	36.00- %	23.97
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850	162900 4 NC machine reamer HSS/E H7 Make: GARANT https://www.hoffmann-group.com/p/162900-4	521 / 209	1	22.21	33.00- %	14.88
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Version

Version suitable for NC similar to DIN 212 with straight shank Ø for standard chucking especially in hydraulic chucks or high precision collet chucks. For highest concentricity and process reliability. No need to order special collets.

With long flutes and left-hand helix.

Ø size 1.7 with 3 teeth; Ø size 1.8 even number of teeth and irregular spacing. Ø size 3.7 both ends with centre points; Ø size 3.8 both ends with centre holes.

Reamer manufacturing tolerance to DIN 1420 for H7 hole tolerance.

Note

For reamers in **1/100 sizes** see **No. 162902**.

For reamers with **diameters and fits to specification** see **No. 162951**

860	162900 5 NC machine reamer HSS/E H7 Make: GARANT https://www.hoffmann-group.com/p/162900-5	521 / 209	1	23.03	33.00- %	15.43
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870	160150 4 Hand Reamer H7 HSS DIN206B ***Lead time 2-3 weeks ARO*** Make: HOLEX https://www.hoffmann-group.com/p/160150-4	521 / 204	1	29.20	31.00- %	20.15
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Application

For through holes (not for blind holes). Also very suitable for interrupted holes.

Version

With left-hand helix 7 – 8° and long taper lead, more than 1/5 of the cutting length. An even number of teeth with irregular spacing for accurately round holes, free of chatter. The cylindrical ground chamfer on the plain cutting section smooths the hole and guides the reamer.

Note

Hand reamers **finish ground to match your specifications** can be ordered as **No. 160200**.

For suitable tap wrenches see article No. 148150; 148200; 148410 and extensions No.149400.

Carry forward: Total item value						2,896.54
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Position Your pos.	Item No. Size Your article code	Catalogue Vol./Page	53 Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						2,896.54

880	160150 5 Hand Reamer H7 HSS DIN206B Make: HOLEX https://www.hoffmann-group.com/p/160150-5	521 / 204	1	32.24	31.00- %	22.25
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890 ***Electronic equipment***

900	473120 LED electrical tester LED Make: HOLEX https://www.hoffmann-group.com/p/473120-LED	522 / 189	1	69.77	18.00- %	57.21
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Standard
IEC / DIN EN 61243-3; GS TÜV Rheinland and CE mark.

Application
For professional multi-stage voltage, continuity, and polarity testing.

Version
Two-component plastic casing with 2 test prods. Integral LED lamp, test prod mounting for one-hand operation, auto-test for checking its operation. Automatic selection of measurement range.

Supplied with
2 batteries No. 081551 size LR3, protective caps.

910	473300 MM5-2 Multimeter with VDE kitemark ***Lead time 2-3 weeks ARO*** Make: BENNING https://www.hoffmann-group.com/p/473300-MM5-2	522 / 193	1	221.41	18.00- %	181.56
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Standard
IEC / DIN EN 061010-1 (DIN VDE 0411-1).

Application
Digital service multimeters for a wide range of applications. These provide a high level of safety and other additional functions. Microampere measurement range for ionisation current measurement, continuity testing with buzzer and red LED for noisy environments.

Version
Sturdy plastic casing with large-format, 3½ inch, 4 inch or 4¾ inch LCD display.

Supplied with
Batteries, probe leads, compact protective case, operating instructions. Rubber protective surround with magnetic hanger. Wire temperature sensor.

920	473210 750-3 Two-pole voltage tester Make: testo https://www.hoffmann-group.com/p/473210-750-3	522 / 188	1	124.77	10.00- %	112.29
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Carry forward: Total item value						3,269.85
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Position Your pos.	Item No. Size Your article code	Catalogue 53 Vol./Page	Quantity	Unit price USD	Discount (-) Surcharge (+)	Sum USD
Carry forward: Total item value						3,269.85

Standard
DIN EN 61243-3:2011

Application

For professional multi-stage voltage, continuity, and polarity testing. Suitable for working on electrical systems, industrial systems, maintenance, servicing (troubleshooting), with load switching (30 mA RCB trip by push button).

Version

Sturdy plastic casing and ergonomic handle shape with non-slip ring for safe working with no risk of slipping. Clear 360° display with fibre optic cable. Integral torch for illuminating the measurement area.

Additional LCD display of the actual measured value.

Supplied with

Batteries No. 081561 size LR3, test prod protection and measurement prod extensions.

Total	3,269.85
Total net	3,269.85
Total tax	302.45
Total gross	3,572.30

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