

CATALOG
14

Section N



SPAENNAUR

Fasteners Right Now[®]



HAZET® Guide	Metric	N2	Métrique	Guide HAZET^{MD}
Hex Nut Drivers	Metric	N3	Métrique	Tourne-écrous hexagonaux
Wrenches Double Open-End, Combination Closed/Open-End, Double-Hex Closed, Flare Nut, Starter, Block & Adjustable	Inch & Metric	N3	Pouce et métrique	Clés Ouvertes doubles, fermées/ouvertes combinées, hexagonales doubles fermées, pour écrous évasés, de démarrage, de blocage et ajustables
Chisels, Centre Punches & Drift Pins	Metric	N9	Métrique	Ciseaux, poinçons centraux et broches
Universal Grip Pliers & Pliers	Inch & Metric	N10	Inch & Metric	Pinces-étau universelles et pinces
Prying Tools, Extractors, Pullers & Separators	Inch & Metric	N11	Inch & Metric	Leviers, extracteurs, décolleurs et séparateurs
Screwdrivers Including Offset & T-Handle Screwdrivers; Slot, Hex, Torx®, Phillips, Pozidriv®	Metric	N14	Métrique	Tournevis Y compris les tournevis à décalage et à poignée en «T»; fendue, hexagonales, Torx ^{MD} , cruciformes, Pozidriv ^{MD}
Stud Extractors & Blunt Scraper	Metric	N16	Métrique	Extracteurs de goujons, et grattoir à bord abattu
1/4" to 1" Square Drive, Hex Socket, Socket Bits; Tools & Accessories Slot, Hex, Torx®, Phillips, Pozidriv®; Ratchets, Extensions, Handles, Universal Joints, Adapters, Breaker Bars	Metric	N17	Métrique	1/4" à 1" Entraînement carré, embase hexagonale, embouts; outils et accessoires Fendue, hexagonales, Torx ^{MD} , cruciformes, Pozidriv ^{MD} ; cliquets, extensions, poignées, joints universels, adaptateurs, barres de disjoncteur
Impact Sockets, Extensions & Adapters	Inch & Metric	N34	Pouce et métrique	Douilles industrielles, rallonges et adaptateurs

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<p>Assorted Pliers Cutters, Pliers, Retaining Ring Pliers, Applicator Tools, Wire Strippers, Crimping Tools</p>	<p>Inch & Metric</p>	<p>N35</p>	<p>Pouce et métrique</p> <p>Pinces assorties Couteaux, pinces, pinces pour bagues de retenue, outils d'installation, pinces à dénuder, outils de sertissage</p>
<p>Hammers Plastic Hammers, Lead Shot Hammers, Machinist Hammers & Replacement Tips; Ball Peen Hammers; Rubber Mallet</p>	<p>Metric</p>	<p>N38</p>	<p>Métrique</p> <p>Marteaux Marteaux en plastique, marteaux de plomb, marteaux de machiniste et embouts de rechange; marteaux à panne; maillet de caoutchouc</p>
<p>Metal Fabricating Tools Hack Saws, Milled Tooth File, Car Body File Blade, Sheet Metal Snips & Hand Nibbler</p>	<p>Metric</p>	<p>N39</p>	<p>Métrique</p> <p>Outils de fabrication de métal Scies à métaux, lime à denture fraisée, lame de lime pour carrosserie d'automobile, pinces à tôle et grignoteuse manuelle</p>
<p>Hex Head Wrenches & Tool Organizers</p>	<p>Metric</p>	<p>N40</p>	<p>Métrique</p> <p>Clés à six pans et organisateurs pour outils</p>
<p>Feeler Gauges, Stethoscope, Scribes & Thread Repair (Restorers)</p>	<p>Metric</p>	<p>N41</p>	<p>Métrique</p> <p>Calibres d'épaisseur, stéthoscope, traçoirs, et réparation de filets (articles de restauration)</p>
<p>Screwdriver Bits, Bit Holders & Adapters Hex Socket, Slot, Phillips, Pozidriv®, Torx®</p>	<p>Metric</p>	<p>N42</p>	<p>Métrique</p> <p>Embout de tournevis, porte-embouts, et adaptateurs Embouts à tête creuse hexagonale, à lame, cruciforme, Pozidriv^{MD}, Torx^{MD}</p>
<p>Torque Wrenches & Screwdriver System Also see Hazet® Tool Box</p>	<p>Inch & Metric</p>	<p>N46</p>	<p>Pouce et métrique</p> <p>Clés dynamométriques et système de tournevis Voir aussi boîte à outils Hazet^{MD}</p>
<p>Miscellaneous Tools Knives, Pry Bars, Strap Wrench, Tube Flaring Tools, Gripping Jaws</p>	<p>Metric</p>	<p>N47</p>	<p>Métrique</p> <p>Outils Divers Couteaux, barres-leviers, clé à courroie, outil à évaser les tubes, mâchoires de retenue</p>
<p>Section Index</p>	<p></p>	<p>N48</p>	<p></p> <p>Index de section</p>





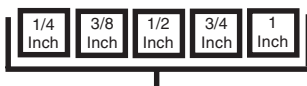
Spaenaur offers the complete Hazet product line. If you are interested in an item not shown in our catalog, please contact us at 1-800-265-8772.

Spaenaur vous offre un inventaire complet de produits Hazet. Si vous êtes intéressés dans un article qui n'est pas illustré dans votre catalogue, veuillez nous contacter au 1-888-252-6380

- Many convenient sets of Hazet tools are listed in this section. Components of most sets are listed by their Spaenaur number.
- Only Spaenaur numbers which are followed by a Hazet number are Hazet items. Other Spaenaur numbers are shown in order to compliment a particular line or substitute for certain tools when necessary.
- Tools are generally priced singly. To verify unit package quantity please refer to the Spaenaur Price List.
- Nous avons inclus plusieurs jeux d'outils HAZET dans cette section. La plupart des pièces de jeux d'outils seront identifiées par un numéro de pièce Spaenaur.
- Seulement les pièces Spaenaur qui sont suivit par un numéro de HAZET sont des pièces HAZET. Quand nécessaire, il y aura d'autre pièce de Spaenaur pour démontrer une série d'article particulière ou pour substituer certains outils.
- S.V.P. faire référence au Tarif de Spaenaur pour vérifier la quantité. En général, les outils sont vendus à l'unité.

LEGEND

b	Width
L	Length
L ₁	Blade Length
L ₂	Total Length
M	Metric Threads
s	Span of the Jaw
sb	Jaw Capacity
st	Span Depth
t	Depth
V	Chrome-Plated
VKH	Chrome-Plated Bright Heads



With 1/4" resp. 3/8", 1/2", 3/4" or 1" square drive

- For screws with internal serration (XZN)
- For spline socket screws (RIBE CV)
- For slotted screws
- For Phillips-Recess screws
- For POZIDRIV® screws
POZIDRIV® is the Registered Trade Mark of European Industrial Services Ltd.
- For inside hexagon socket screws
- For outside hexagon socket screws
- For inside TORX® screws
HAZET are licensees for the manufacture of TORX® tools
- For inside TORX® screws with internal hole for pivots
- For outside TORX® screws

TORX® size in **mm**

TORX® is a registered trademark of CAMCAR TEXTRON INC., Rockford, Illinois, USA
HAZET are licensees for the manufacture of TORX® tools

Insulated according to IEC 900
1000 V

Insulated according to VDE 0680, part 2
1000 V

- Female
- Male
- Female
- Male
- Female (Torque Wrenches)
- Male (Torque Wrenches)
- For flat material on Pliers
- For round material on Pliers

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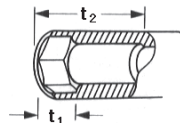
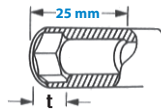
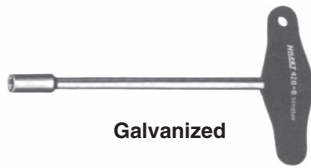
CATALOG 14.02
2018/12/05

SPAENAUR

Hex Nut-Drivers

Chrome-Vanadium

With Black Plastic Transverse Handle
(protected by design patent).



Short Pattern

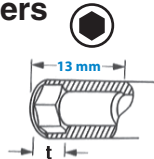
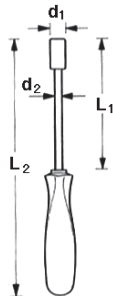
SPAENAUR No.	HAZET No.	mm	L ₁ mm	L ₂ mm	t min. mm	d ₁ mm	d ₂ mm
990-131	428-6	6	230	262	3.5	9.0	6
990-132	428-7	7	230	262	4.0	11.0	6
990-133	428-8	8	230	262	5.0	12.0	7
990-135	428-10	10	230	262	6.0	14.0	8
990-136	428-11	11	230	262	7.0	16.0	8
990-137	428-12	12	230	265	8.0	17.0	9
990-138	428-13	13	230	265	8.0	18.0	9

Long Pattern

SPAENAUR No.	HAZET No.	mm	L ₁ mm	L ₂ mm	t ₁ mm	t ₂ mm	d ₁ mm	d ₂ mm
990-142	428 Lg-8	8	350	382	5.0	25	12.0	7
990-144	428 Lg-10	10	350	382	6.0	25	14.0	8
990-147	428 Lg-13	13	350	385	8.0	25	18.0	9

Flexible Hex Nut-Drivers

For radiator hose clamps with worm-driven thread.



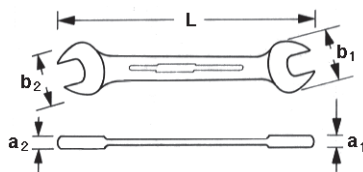
SPAENAUR No.	HAZET No.	mm	L ₁ mm	L ₂ mm	t min. mm	d ₁ mm	d ₂ mm
990-125	426-6	6	150	262	5.0	11.0	8
990-126	426-7	7	150	262	5.0	11.0	8

Double Open-End Wrenches

Long and Slender Pattern
DIN 3110, ISO 3318/1085



Matte Finish



SPAENAUR No.	HAZET No.	mm	L mm	a ₁ mm	a ₂ mm	b ₁ mm	b ₂ mm
* 990-203	450-4 x 5	4 x 5	100	3.4	11.6	13.7	
* 990-204	450-5 x 5.5	5 x 5.5	100	3.5	13.6	15.3	
990-206	450-6 x 7	6 x 7	121.5	3.5	15.3	17.2	
990-208	450-8 x 9	8 x 9	139.5	3.8	18.7	21.2	
▲ 990-209	450-8 x 10	8 x 10	141	4.1	19.2	23.5	
990-210	450-10 x 11	10 x 11	146.5	4.6	23.4	25.4	
▲ 990-211	450-10 x 13	10 x 13	172.8	5.1	25.7	30.0	
990-213	450-12 x 13	12 x 13	172.8	5.1	27.3	29.3	
990-217	450-13 x 17	13 x 17	206.3	6.0	31.1	36.9	
990-218	450-14 x 15	14 x 15	189	5.7	31.1	33.0	
990-220	450-16 x 17	16 x 17	206.3	6.0	35.0	36.9	
990-221	450-16 x 18	16 x 18	206.3	6.0	35.0	38.5	
▲ 990-222	450-17 x 19	17 x 19	222.2	6.7	37.6	40.9	
990-223	450-18 x 19	18 x 19	222.2	6.7	38.9	40.9	
990-226	450-20 x 22	20 x 22	239.1	7.0	43.1	47.0	
* 990-227	450-21 x 22	21 x 22	239.1	7.0	45.1	47.0	
990-228	450-21 x 23	21 x 23	247	7.1	45.1	49.1	
990-230	450-22 x 24	22 x 24	254.7	7.1	47.1	51.2	
990-231	450-24 x 26	24 x 26	270	7.8	51.0	55.0	
990-232	450-24 x 27	24 x 27	270	7.8	51.0	57.1	
990-233	450-25 x 28	25 x 28	284.9	8.4	53.4	59.0	
990-235	450-27 x 32	27 x 32	304.8	9.0	57.9	67.2	
▲ 990-236	450-30 x 32	30 x 32	304.8	9.0	63.3	67.2	
990-239	450-32 x 36	32 x 36	343.7	9.8	66.7	75.1	
990-240	450-34 x 36	34 x 36	343.2	9.8	70.2	75.1	
▲ 990-241	450-36 x 41	36 x 41	389.6	10.5	75.1	84.0	
990-242	450-41 x 46	41 x 46	440.1	11.0	85.3	94.2	
990-243	450-46 x 50	46 x 50	498	11.8	94.1	100.0	

▲ Chrome Plated *Not according to DIN

Double Open-End Wrenches

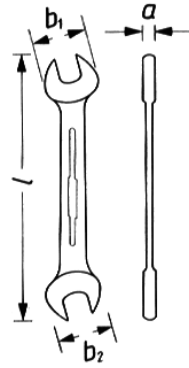
ISO 1085

Chrome-Vanadium

Long and Slender Pattern

Chrome-Plated, Bright Heads

Inch Sizes



SPAENAUR No.	HAZET No.	Inch	L mm	a mm	b1 mm	b2 mm
990-258	450A-1/4 x 5/16 VKH	1/4 x 5/16	121.5	3.8	15.9	18.8
990-259	450A-5/16 x 3/8 VKH	5/16 x 3/8	139.9	4.1	19.2	22.0
990-260	450A-3/8 x 7/16 VKH	3/8 x 7/16	156.4	4.6	22.3	25.3
990-262	450A-1/2 x 9/16 VKH	1/2 x 9/16	172.8	5.1	28.7	31.3
990-263	450A-9/16 x 5/8 VKH	9/16 x 5/8	189.8	5.7	31.8	34.8
*990-264	450A-19/32 x 11/16 VKH	19/32 x 11/16	206.3	6.0	33.8	37.7
990-266	450A-5/8 x 3/4 VKH	5/8 x 3/4	222.2	6.7	35.2	40.9
*990-268	450A-25/32 x 7/8 VKH	25/32 x 7/8	239.1	7.0	42.9	47.4
990-269	450A-7/8 x 15/16 VKH	7/8 x 15/16	254.7	7.1	48.1	50.9
990-270	450A-15/16 x 1 VKH	15/16 x 1	270.0	7.8	51.2	53.8
990-271	450A-1 x 1-1/8 VKH	1 x 1-1/8	284.9	8.4	55.5	60.0
990-272	450A-1-1/16 x 1-1/4 VKH	1-1/16 x 1-1/4	304.3	9.0	58.0	66.8

*not according to ISO -Also available up to 9" across flat
- Metric sizes up to 230 mm

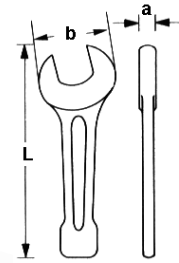
Open-End Striking Wrenches

DIN 133

Special Steel

Steel Grey

Withstand Extreme Impact Loads



SPAENAUR No.	HAZET No.	mm	L mm	a mm	b mm
990-281	452-27	27	180	16.0	56
990-282	452-30	30	190	17.0	62
990-283	452-32	32	190	17.0	62
990-284	452-36	36	215	17.5	76
990-285	452-41	41	235	18.5	86
990-286	452-46	46	255	20.0	98
990-287	452-50	50	275	21.0	105
990-288	452-55	55	300	23.0	116
990-289	452-60	60	320	24.5	128
990-290	452-65	65	342	27.0	138
990-291	450-70	70	375	30.0	154
990-292	452-75	75	375	30.0	154
990-293	452-80	80	408	34.0	174
990-294	452-85	85	408	34.0	174
990-295	452-90	90	445	38.0	194
990-296	452-95	95	445	38.0	194
990-297	452-100	100	485	44.0	215

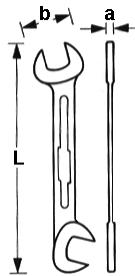
Double Open-End Wrenches

Small Pattern

Chrome-Vanadium

Heads set at 15° and 75°

Matte Chrome-Plated



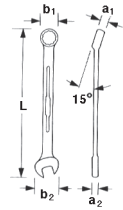
SPAENAUR No.	HAZET No.	mm	L mm	a mm	b mm
990-186	440-3.2	3.2	70	2	10.5
990-187	440-3.5	3.5	70	2	10.5
990-188	440-4	4	70	2	10.5
990-189	440-4.5	4.5	70	2	10.5
990-190	440-5	5	78	2	12.6
990-191	440-5.5	5.5	78	2	12.6
990-192	440-6	6	78	2	12.6
990-193	440-7	7	91	2	14.7
990-194	440-8	8	96	3	16.8
990-195	440-9	9	103	3	18.9
990-196	440-10	10	105	3	21.0
990-197	440-11	11	116	3	24.2
990-198	440-12	12	116	3	24.2
990-199	440-13	13	131	3	28.3
990-200	440-14	14	131	3	28.3

N

Combination Box and Open-End Wrenches
DIN 3113, Form A, ISO/DIS 3318

Chrome-Vanadium
Chrome-Plated
Bright Heads

Slender and thin-walled, the double-hex box end is offset at a 15° angle to the handle to clear obstruction, equal openings, at both ends.



SPAENAUR No.	HAZET No.	mm	L mm	a1 mm	a2 mm	b1 mm	b2 mm
*990-298	600-5.5	5.5	105	5.0	4.0	10.5	15.0
990-299	600-6	6	105	5.0	4.0	10.5	15.0
*990-300	600-7	7	118	6.0	4.3	11.8	17.0
*990-301	600-8	8	130	7.0	5.0	13.5	18.5
*990-302	600-9	9	143	7.5	5.0	14.5	21.0
*990-303	600-10	10	155	7.8	5.5	16.0	23.0
*990-304	600-11	11	168	8.4	6.0	17.5	25.0
*990-305	600-12	12	180	8.8	6.0	18.5	27.0
990-306	600-13	13	193	9.3	6.5	19.8	29.0
*990-307	600-14	14	205	9.8	6.8	21.0	31.0
990-308	600-15	15	218	10.3	7.0	22.5	32.5
990-309	600-16	16	230	10.8	7.5	24.0	34.5
990-310	600-17	17	242	11.3	8.0	25.0	36.5
990-311	600-18	18	255	12.3	8.0	27.3	38.5
990-312	600-19	19	268	12.3	8.2	28.5	40.5
*990-313	600-20	20	280	13.5	9.0	30.0	43.0
990-314	600-21	21	292	13.7	9.0	30.5	45.0
990-315	600-22	22	304	13.7	9.5	32.8	47.0
*990-316	600-23	23	328	14.7	9.2	35.2	51.0
990-317	600-24	24	328	14.7	9.2	35.2	51.0
*990-318	600-25	25	354	15.4	10.0	38.5	55.0
*990-319	600-26	26	354	15.4	10.0	38.5	55.0
990-320	600-27	27	380	16.0	11.0	40.5	59.0
*990-321	600-28	28	380	16.0	11.0	40.5	59.0
*990-322	600-29	29	380	16.0	11.0	40.5	59.0
990-323	600-30	30	406	18.0	12.4	44.0	63.5
990-324	600-32	32	420	17.7	13.0	47.0	67.0
990-325	600-34	34	432	18.0	13.5	50.0	71.0
990-326	600-36	36	460	19.3	14.0	52.0	75.0
990-327	600-41	41	500	20.0	14.3	59.5	84.0

SPAENAUR No.	HAZET No.	Inch	L mm	a1 mm	a2 mm	b1 mm	b2 mm
990-336	600A-1/4	1/4	105	5.0	4.0	10.5	15.0
990-337	600A-5/16	5/16	130	7.0	5.0	13.5	18.5
990-338	600A-3/8	3/8	155	7.8	5.5	16.0	23.0
990-339	600A-7/16	7/16	168	8.4	6.0	17.5	25.0
990-340	600A-1/2	1/2	193	9.3	6.5	19.8	29.0
990-341	600A-9/16	9/16	205	9.8	7.0	21.0	31.0
990-342	600A-5/8	5/8	230	10.8	7.5	24.0	34.5
990-343	600A-11/16	11/16	242	11.3	8.0	25.0	36.5
990-344	600A-3/4	3/4	268	12.3	8.2	28.5	40.5
990-345	600A-13/16	13/16	292	13.7	9.0	30.5	45.0
990-346	600A-7/8	7/8	304	13.7	9.5	32.8	47.0
990-347	600A-15/16	15/16	328	14.7	9.2	35.2	51.0
990-348	600A-1	1	354	15.4	10.0	38.5	55.0
990-350	600A-1-1/8	1-1/8	380	16.0	11.0	40.5	59.0
990-351	600A-1-1/4	1-1/4	420	17.7	13.0	47.0	67.8
990-352	600A-1-5/16	1-5/16	432	18.0	13.5	50.0	71.0
990-354	600A-1-1/2	1-1/2	460	19.3	14.0	52.0	75.0

*not according to DIN



Sizes 5.5 to 9 is box end with hexagon opening.

SPAENAUR No.	HAZET No.	mm	L mm	a1 mm	a2 mm	b1 mm	b2 mm
*990-369	603-5.5	5.5	90	4.7	3.7	9.8	14.1
990-370	603-6	6	100	5.1	4.0	10.5	14.9
*990-371	603-7	7	110	5.5	4.3	12.2	16.8
990-372	603-8	8	120	5.9	4.5	13.1	18.3
990-373	603-9	9	130	6.3	4.5	14.6	21.0
990-374	603-10	10	137	6.7	5.0	15.6	23.0
990-375	603-11	11	145	7.1	5.2	17.1	25.0
990-376	603-12	12	152	7.6	5.4	18.4	26.8
990-377	603-13	13	160	8.0	5.6	19.9	28.8
990-378	603-14	14	170	8.5	5.8	21.4	30.7
990-379	603-15	15	180	9.0	6.0	22.5	32.6
990-380	603-16	16	190	9.5	6.2	24.0	34.6
990-381	603-17	17	200	10.0	6.4	25.5	36.5
990-382	603-18	18	210	10.5	6.7	26.9	38.6
990-383	603-19	19	220	11.0	7.0	28.4	40.6
990-385	603-21	21	240	12.0	7.6	30.7	44.8
990-386	603-22	22	250	12.5	7.9	32.2	46.8
990-388	603-24	24	270	13.5	8.5	35.1	51.0
990-391	603-27	27	305	15.0	9.3	38.5	57.3
990-394	603-30	30	340	16.0	10.0	42.7	63.4
990-395	603-32	32	360	17.0	10.5	45.5	67.2

*not according to DIN

Combination Box and Open-End Wrenches
DIN 3113, Form B

Chrome-Vanadium **Chrome-Plated Bright Heads**
Slender and thin-walled, box end is offset through 10°, equal openings at both ends.

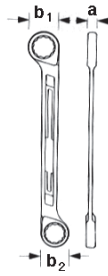
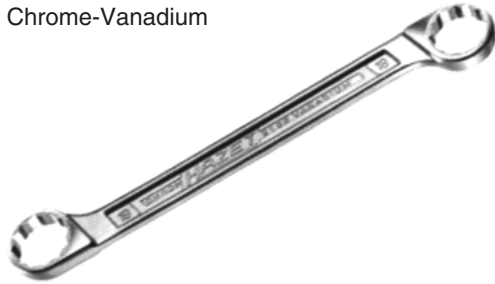
Matte Chrome-Plated

990-328	600N-46	46	520	24.0	15.0	69.0	95.0
990-330	600N-55	55	610	28.0	18.0	84.5	113.0
*990-332	600N-65	65	710	33.0	22.0	98.0	133.0
990-333	600N-70	70	760	35.0	24.0	105.0	143.0
*990-334	600N-75	75	810	38.0	26.0	110.0	153.0
*990-335	600N-80	80	860	41.0	28.0	119.0	163.0

Double-Hex Box Wrenches

DIN 837, Form B, Straight Pattern
ISO 3318/1085

Chrome-Vanadium



**Chrome-Plated
Bright Heads**

New, modern design,
ergonomically shaped
(protected by design patent)

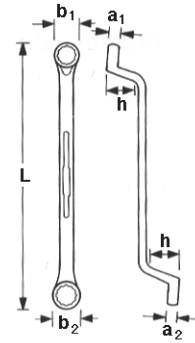
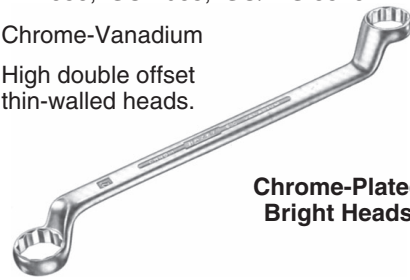
SPAENAUR No.	HAZET No.	mm	L mm	a mm	b ₁ mm	b ₂ mm
990-457	610N-8 x 9	8 x 9	113.3	5.2	12.3	13.6
990-458	610N-10 x 11	10 x 11	125.3	6.0	14.9	16.2
990-459	610N-12 x 13	12 x 13	139.0	6.2	17.8	18.9
990-460	610N-14 x 15	14 x 15	154.5	7.0	20.2	21.5
990-461	610N-16 x 17	16 x 17	170.0	7.5	22.7	24.1
990-462	610N-18 x 19	18 x 19	188.6	8.5	26.0	27.0
990-463	610N-20 x 22	20 x 22	208.8	9.0	28.4	30.4
990-464	610N-21 x 23	21 x 23	232.3	10.0	29.8	32.7
990-465	610N-24 x 26	24 x 26	254.0	11.0	34.1	37.0
990-466	610N-25 x 28	25 x 28	280.1	11.5	35.5	39.8
990-467	610N-27 x 32	27 x 32	308.7	13.5	38.9	45.4

Double-Hex Box Wrenches

DIN 838, ISO 1085, ISO/DIS 3318

Chrome-Vanadium

High double offset
thin-walled heads.



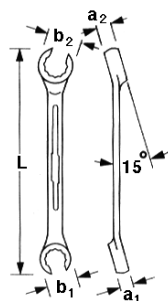
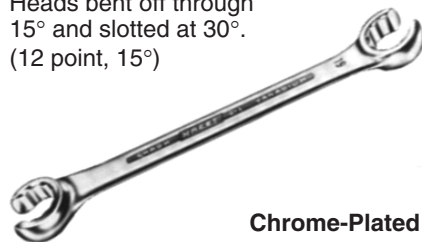
**Chrome-Plated
Bright Heads**

SPAENAUR No.	HAZET No.	mm	L mm	a ₁ mm	a ₂ mm	b ₁ mm	b ₂ mm	h mm
*990-536	630-6 x 7	6 x 7	165	6.0	6.5	10.5	12.2	18.0
*990-537	630-8 x 9	8 x 9	180	7.0	7.5	13.1	14.6	20.5
*990-538	630-8 x 10	8 x 10	180	7.0	8.0	13.1	15.6	20.5
990-539	630-10 x 11	10 x 11	200	8.0	9.0	15.6	17.1	23.5
990-541	630-12 x 13	12 x 13	220	9.0	9.5	18.4	19.9	25.0
990-545	630-14 x 15	14 x 15	240	10.0	10.5	21.4	22.5	27.0
990-546	630-16 x 17	16 x 17	255	11.0	11.3	24.0	25.5	29.0
990-548	630-17 x 19	17 x 19	265	11.3	11.9	25.5	28.4	29.0
990-549	630-18 x 19	18 x 19	275	11.6	11.9	26.9	28.4	31.0
990-552	630-20 x 22	20 x 22	295	12.2	12.9	29.3	32.2	32.5
990-553	630-21 x 23	21 x 23	315	12.5	13.2	30.7	33.6	34.0
990-555	630-24 x 26	24 x 26	330	13.5	14.1	35.1	37.1	34.0
990-556	630-24 x 27	24 x 27	340	13.5	14.4	35.1	38.5	35.0
990-558	630-25 x 28	25 x 28	350	13.8	14.7	36.5	39.9	35.0
990-561	630-27 x 32	27 x 32	365	14.4	16.0	38.5	45.5	36.5
990-562	630-30 x 32	30 x 32	365	15.4	16.0	42.7	45.5	36.5
*990-564	630-36 x 41	36 x 41	440	17.2	18.8	51.3	58.2	40.0

*not according to DIN

Flare Nut Wrenches

Chrome-Vanadium
For cap nuts and screws in
tube couplings.
Heads bent off through
15° and slotted at 30°.
(12 point, 15°)



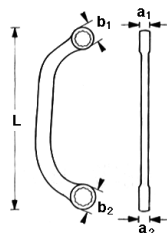
Chrome-Plated

Sizes **17 x 19 - 22 x 24** are DIN 3118E
Sizes **8 x 10 - 12 x 14** are with hexagon opening

990-473	612-8 x 10	8 x 10	140	7.0	8.0	18	20
990-475	612-10 x 11	10 x 11	147	8.0	8.7	20	22
990-476	612-11 x 13	11 x 13	160	8.7	9.8	22	26
990-477	612-12 x 14	12 x 14	168	9.2	10.3	24	28
990-478	612-13 x 15	13 x 15	182	9.8	10.9	26	29
990-481	612-17 x 19	17 x 19	208	12.0	13.2	30	32
990-482	612-19 x 22	19 x 22	222	13.2	15.0	32	38
990-484	612-24 x 27	24 x 27	260	16.2	18.0	42	46
990-485	612-30 x 32	30 x 32	300	21.0	23.0	50	52

**Double-Hex Starter
and Block Wrenches**

Chrome-Vanadium



**Chrome-Plated
Bright Heads**

SPAENAUR No.	HAZET No.	mm	L mm	a ₁ mm	a ₂ mm	b ₁ mm	b ₂ mm
990-494	615-13 x 15	13 x 15	185	7.5	8.0	21	23
990-496	615-14 x 17	14 x 17	185	8.0	9.0	22	25
990-498	615-19 x 22	19 x 22	235	12.0	13.0	28	32

N

CATALOG 14

SPAENAUR

Double-Hex Box Wrench Sets

DIN 838, ISO 1085, ISO/DIS 3318



Sets in coloured HAZET cardboard boxes.

High Double Offset Heads

SPAENAUR No. (HAZET No.)	Wrench sizes in each Set. Metric Sizes				
	990-591 (630/8)	6 x 7 16 x 17	8 x 9 18 x 19	10 x 11 20 x 22	12 x 13

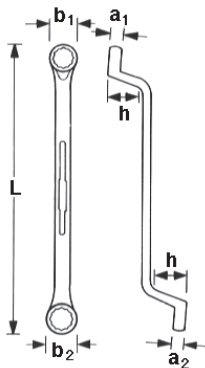
Double-Hex Box Wrenches

ISO 1085, ISO/DIS 3318

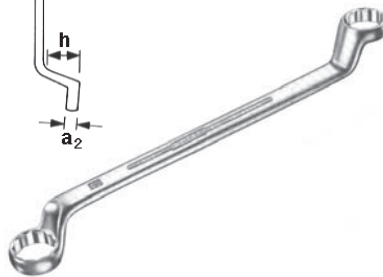
Chrome-Vanadium

Inch Sizes

High double offset, thin-walled heads.



Chrome-Plated Bright Heads



SPAENAUR No.	HAZET No.	Inch	L mm	a1 mm	a2 mm	b1 mm	b2 mm	h mm
990-568	630A-1/4 x 5/16	1/4 x 5/16	170	6.6	7.0	12.2	13.1	19.5
990-569	630A-3/8 x 7/16	3/8 x 7/16	200	8.0	9.0	15.6	17.1	23.5
990-571	630A-1/2 x 9/16	1/2 x 9/16	230	9.5	10.5	19.9	22.5	26.0
*990-573	630A-19/32 x 11/16	19/32 x 11/16	255	10.8	11.5	22.7	26.5	29.0
990-574	630A-5/8 x 11/16	5/8 x 11/16	255	11.0	11.6	24.0	26.9	29.0
990-575	630A-5/8 x 3/4	5/8 x 3/4	265	11.0	11.9	24.0	28.4	29.0
*990-576	630A-3/4 x 25/32	3/4 x 25/32	285	11.9	12.2	28.4	29.3	32.5
990-578	630A-3/4 x 7/8	3/4 x 7/8	295	11.9	12.9	28.4	32.2	32.5
*990-579	630A-25/32 x 13/16	25/32 x 13/16	295	12.2	12.5	29.3	30.2	32.5
990-580	630A-13/16 x 7/8	13/16 x 7/8	315	12.5	13.2	30.7	33.6	34.0
990-581	630A-7/8 x 15/16	7/8 x 15/16	315	12.9	13.5	32.2	35.1	34.0
990-582	630A-15/16 x 1	15/16 x 1	330	13.5	14.1	35.1	37.1	34.0
990-583	630A-1 x 1-1/8	1 x 1-1/8	350	14.1	15.6	36.3	42.1	36.5

*not according to ISO standards
Sizes to 3-1/8 available

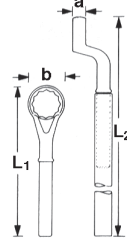
WISE-GRIP®

See a wide range of Vise-Grip product on Page P94



Heavy Duty Box Wrenches

Chrome-Vanadium
Chrome-Plated



Extra heavy pattern, offset type, without Tubular Handles.

SPAENAUR No.	HAZET No.	mm	L1 mm	L2 mm	a mm	b mm
990-616	640-46	46	280	912	23.0	69.0
990-617	640-50	50	290	922	25.5	76.0
990-618	640-55	55	300	925	28.0	81.0
990-619	640-60	60	345	1039	30.5	90.0
990-620	640-65	65	355	1049	33.0	98.0
990-621	640-70	70	365	1059	35.5	105.0
990-622	640-75	75	375	1069	38.0	110.0
990-623	640-80	80	385	1075	40.5	125.0
990-624	640-85	85	385	1076	40.5	125.0
990-625	640-90	90	410	1100	45.0	140.0
990-626	640-95	95	410	1100	45.0	140.0
990-627	640-100	100	412	1103	45.0	143.0

Inch Sizes

876-1187	—	1-3/8	245	735	20.0	54.0
876-1170	—	1-1/2	250	740	22.0	56.0
876-1171	—	1-11/16	265	750	22.0	62.0
876-1172	—	1-3/4	280	910	23.0	69.0
876-1173	—	1-7/8	280	910	23.0	69.0
876-1174	—	2	290	920	25.5	76.0
876-1175	—	2-1/8	300	925	28.0	81.0

Tubular Handles
Chrome-Plated

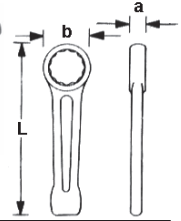
Hard ST 35 steel pipe, for Heavy Duty Box Wrenches.



SPAENAUR No.	HAZET No.	mm	Inch	L mm
990-648	640-4655	46 - 55	1-13/16 - 2-3/16	760

Box Wrenches Striking Face Pattern

DIN 7444
Steel Grey



Special steel withstand extreme impact loads.

SPAENAUR No.	HAZET No.	mm	L mm	a mm	b mm
990-651	642-27	27	180	16	46
990-652	642-30	30	190	17	52
990-653	642-32	32	190	17	52
990-654	642-36	36	205	18	58
990-655	642-41	41	230	20	66
990-656	642-46	46	240	22	74
990-657	642-50	50	255	24	80
990-658	642-55	55	270	25	86
990-659	642-60	60	280	26	93
990-660	642-65	65	300	30	102
990-661	642-70	70	330	33	110
990-662	642-75	75	330	33	110
990-663	642-80	80	360	36	126
990-664	642-85	85	360	36	126
990-665	642-90	90	390	40	142
990-666	642-95	95	390	40	142
990-667	642-100	100	420	45	155

Available up to 220 mm and 8-1/2 inch sizes.

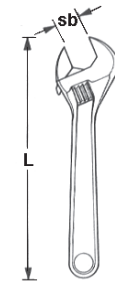
Adjustable Wrenches with scale

DIN 3117, Form A, ISO 6787

Chrome-Vanadium

Phosphatized
Head Polished

Head set at 15°



SPAENAUR No.	HAZET No.	L		sb Jaw Capacity mm
		mm	inch	
990-090	279-6	160	6-1/4"	20
990-091	279-8	205	8"	24
990-092	279-10	255	10"	29
990-093	279-12	308	12"	34

Matte Chrome-Plated, Head Polished

990-094	279 V-6	160	6-1/4"	20
990-095	279 V-8	205	8"	24
990-096	279 V-10	255	10"	29
990-097	279 V-12	308	12"	34

Head set at 22.5° DIN 3117, Form B, ISO 6787
Phosphatized, Head Polished Special Steel

990-098	279-4	109	4-1/2"	13
990-099	279-15	382	15"	44
990-100	279-18	458	18"	53

Matte Chrome-Plated, Head Polished

990-101	279V-4	109	4-1/2"	13
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Flat Chisels

DIN 6453

Chrome-Vanadium **Matte Black**

Air-Hardened,
Rectangular Stock



*not according to DIN

SPAENAUR No.	HAZET No.	L mm	min. mm	mm
877-1137	—	100	15	14 x 9
990-721	730-2	125	15	14 x 9
877-1138	—	125	18	14 x 9
990-722	730-3	150	18	17 x 11
877-1139	—	150	20	17 x 11
*990-723	730-4	150	21	20 x 12
990-724	730-5	175	21	20 x 12
877-1140	—	175	24	20 x 12
990-725	730-6	200	24	23 x 13
877-1141	—	200	26	23 x 13
990-726	730-7	250	25	23 x 13
877-1142	—	250	30	23 x 13
990-727	730-8	300	26	23 x 13
877-1143	—	300	30	23 x 13

Flat Chisels

Air-Hardened,
Octagonal Stock

Chrome-Vanadium **Matte Black**



SPAENAUR No.	HAZET No.	L mm	min. mm	mm
990-729	731-2	125	11	10
990-730	731-5	150	15	12

Cape Chisels

DIN 6451

Chrome-Vanadium **Matte Black**

Air-Hardened,
Rectangular Stock



SPAENAUR No.	HAZET No.	L mm	min. mm	mm
877-1144	—	125	7	14 x 9
990-732	740-3	150	6	17 x 11
877-1145	—	150	8	17 x 11
877-1146	—	175	9	17 x 11
877-1147	—	200	10	20 x 12
877-1148	—	250	9	23 x 13

Octagonal Stock



SPAENAUR No.	HAZET No.	L mm	min. mm	mm
990-735	741-1	125	4	10

Drift Punches

DIN 6458

Chrome-Vanadium **Matte Black**

Air-Hardened,
Octagonal Stock



Light Pattern (B)

SPAENAUR No.	HAZET No.	L mm	Ø mm	mm
990-736	745-1	120	1	10
990-737	745-2	120	2	10
990-738	745-3	120	3	10

Heavy Pattern (D)

SPAENAUR No.	HAZET No.	L mm	Ø mm	mm
990-741	745a-2	120	2	12
990-742	745a-3	120	3	12
990-743	745a-4	120	4	12
990-744	745a-5	120	5	12
877-1159	—	120	5	12
990-745	745a-6	120	6	12
877-1160	—	120	6	12
877-1162	—	120	8	12
877-1164	—	150	10	12

Centre Punches

DIN 7250

Air-Hardened,
Octagonal Stock

Chrome-Vanadium **Matte Black**



SPAENAUR No.	HAZET No.	L mm	Ø mm	mm
877-1166	—	120	—	10
990-750	746-2	120	—	12

Auto-Impact Centre Punch

Steel, with tough and hard point
of special steel.



Impact force infinitely variable
(by pushing upper part)

SPAENAUR No.	HAZET No.	L mm	Impact Force
990-751	747-1	147	3-30 kg
♦877-1168	—	130	3.5-15 kg

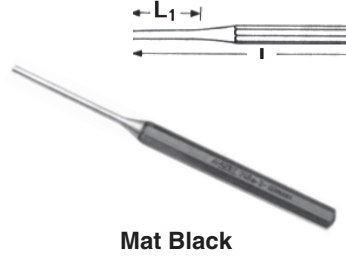
♦ Does not include pocket clip.

993-972	Replacement springs for 990-751 Centre punch shown above. PKG QTY. 1 SET (2 SPRINGS)
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Drift Pins

DIN 6450, Form C
Chrome-Vanadium
Air Hardened,
Octagonal Stock



Mat Black

SPAENAUR No.	HAZET No.	L mm	L1 Min. mm	Ø Max. mm	mm
990-752	748a-2	115	30	2	8
*990-753	748a-3	125	40	3	8
990-754	748b-2	150	30	2	10
877-1179	—	150	30	2	10
990-755	748b-3	150	40	3	10
877-1181	—	150	40	3	10
990-756	748b-4	150	50	4	10
877-1182	—	150	50	4	10
990-757	748b-5	150	50	5	10
877-1183	—	150	50	5	10
990-758	748b-6	150	50	6	10
877-1184	—	150	50	6	10
877-1185	—	150	50	7	12
990-759	748b-8	150	50	8	12
877-1186	—	150	50	8	12
877-1187	—	150	50	9	12
877-1188	—	150	50	10	12

Long Pattern

*990-760	748c-6	180	60	6	12
*990-761	748c-8	200	70	8	12
*990-762	748c-10	200	70	10	12

*not according to DIN

Universal Grip Pliers

With enlarged quick-release plastic-coated lever.
Offers larger area to use fingers for releasing.

Jaws Chrome-Vanadium, Drop-Forged.

Nickel-Plated



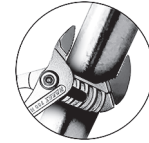
SPAENAUR No.	HAZET No.	L		sb mm	
		mm	Inch	■	●
990-781	757-10	230	9"	50	6-50

Universal or Waterpump Pliers

Chrome-Vanadium
Induction Hardened



With fluted sliding lap joint, relief-milled guide flutes, wide parallel and circular gipping range, despite minimum overall width (a) of pliers, three-point contact on round parts, handles coated with black hand-sympathetic plastic material for a better grip.



Chrome-Plated, Bright Heads

SPAENAUR No.	HAZET No.	L		sb mm		a mm
		mm	Inch	■	●	
990-793	760N-1	180	7"	30	45	35
990-794	760N-2	260	10"	50	65	55
990-795	760N-3	310	12"	65	80	66
990-796	760N-4	415	16"	110	120	88

Drift Pins

Long Pattern
Especially for safety bolts of brake discs.



Black

SPAENAUR No.	HAZET No.	L mm	Pin Dia.	Butt Dia.
990-763	748 Lg b-4	175	4	10

Drift Pins

DIN 6450, with guide pin, for safety bolts of pads in floating caliper disc brake, especially Opel.



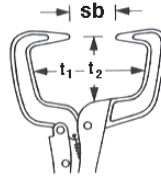
SPAENAUR No.	HAZET No.	L mm	Pin Dia.	Butt Dia.
990-764	748 Lg b-6	175	3	5.8

CATALOG 14

SPAENAUR

Grip Pliers

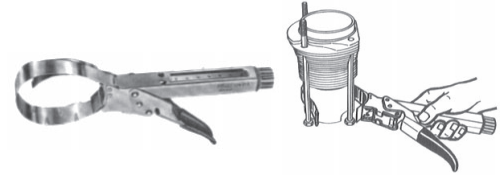
Jaws Chrome-Vanadium, **Drop Forged Black Finish.**
Especially designed for holding larger objects.
With enlarged quick release lever, like 990-781.



SPAENAUR No.	HAZET No.	L		sb mm	t ₁ mm	t ₂ mm
		mm	Inch			
990-785	758-2	280	11"	90	170	75

Piston Ring Compressor

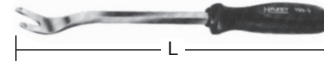
Chrome-Plated
For water cooled and air-cooled engines.
Releasable Strap (32 mm)
Adjustable within a piston Ø range of **70-100 mm**



SPAENAUR No.	HAZET No.	Ø mm	L mm
990-882	794U-3	70-100	302-332

Lever for Removing Door Panels

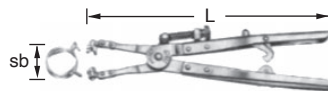
Special Steel **Galvanized**
With trinamic®-handle (protected by design patent)
Black plastic material.
For dismantling of door panels with clips.



SPAENAUR No.	HAZET No.	mm	L mm	Inch
990-895	799-3	28	268	10-1/2"

Hose Clamp Pliers

For self-gripping spring head clips. Swivel acting jaws, adjustable opening for differently sized clamps.
With locking device.
Especially for VW-Audi.
Chrome-Vanadium
Chrome-Plated



SPAENAUR No.	HAZET No.	sb mm	mm	L Inch
990-893	798-10	90	320	12-1/2"

993-982	2 Holding bolts and 2 Retaining rings. Repair Kit for 990-893			
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Internal Extractors

Special Steel
To be used with Counter Stays.
SPAENAUR No. 990-863.

Zinc Plated or Black Finish our option.

SPAENAUR No.	HAZET No.	Ø mm
990-855	1788N-19	15-19
990-856	1788N-25	19-25



Galvanized

SPAENAUR No.	HAZET No.	Ø mm
990-859	1788N-45	36-46
990-860	1788N-55	45-58



Counter Stays

Special Steel
To be used with Internal Extractors.

With removable threaded reduction collar.

Galvanized

Application: 990-856: with reduction collar.
990-859: without reduction collar.



SPAENAUR No.	HAZET No.	Ø mm
990-863	1788N-4570	877-1296 877-1296/877-1301 and 877-1415 to 877-1416 877-1301 to 877-1304 990-856

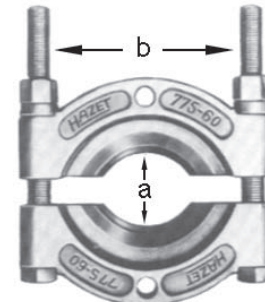
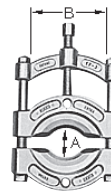
Separators

Special Steel

Sharp separator edges to be forced behind part to be pulled off.
Separator blades to be compressed by evenly tightening nuts on side bolts.

Galvanized

SPAENAUR No.	HAZET No.	a mm	b mm
990-819	1775N-60	5-60	60
990-820	1775N-75	12-75	77.5
990-821	1775N-115	22-115	115



Ball Joint Pullers

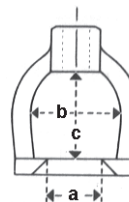
Special Steel.

For removing the ball pivots when dismantling the ball joints.

Galvanized

SPAENAUR No.	HAZET No.	a mm	b mm	c mm
990-828	1779-18	18	36.5	38
990-G05-1A	1779-27	27	61.5	63
■ 990-831	1779-37	39	62	78

■ Non-Stock




Extensions

Special Steel

To be used in pairs for extending the length of the puller studs.
For pulling parts from shafts, screw the studs of suitable puller into two tap holes in separator. Pull away by tightening screw spindle against shaft end.

Galvanized



SPAENAUR No.	HAZET No.		L mm
990-822	1775N-012	877-1275	100
990-823	1775N-021	877-1276	100



For Pulling Devices see page P147.3 **PKG QTY. 1 Pair**

N

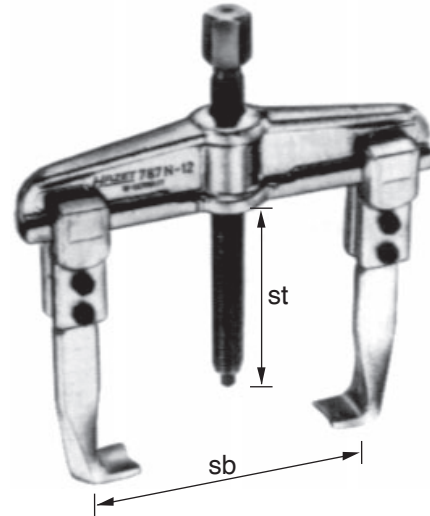
Two Arm Pullers

Special Steel

Galvanized

The pulling arms are replaceable and can be adjusted for inside and outside pulling.

SPAENAUR No.	HAZET No.	sb mm	st mm
990-G06-1P	1787F-9	90	100
990-840	1787F-13	120	100
990-841	1787F-16	160	150
990-842	1787F-20	200	150
990-843	1787F-25	250	200
990-G07-1Y	1787F-35	350	200
990-G01-1K	1787-52	520	208



Universal Ball Joint Puller

Special steel, Galvanized

For removing the ball pivots when dismantling the ball joints on Ford, BMW, Volvo, Toyota, Opel, VW, Audi, Renault, Nissan, Fiat and Mercedes-Benz cars

Clamping range, Two stages

Stage 1 = to **30 mm**

Stage 2 = to **50 mm**

SPAENAUR No.	HAZET No.	Jaw Capacity	a
993-895	1790-7	50 mm	20-22 mm



PKG QTY. 1

SPAENAUR
Fasteners Right Now®

For more Pullers, Separators, Splitters and extractors see pages P147.1 - P147.2



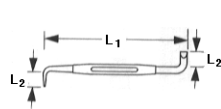
Offset Screwdrivers

DIN 5200

Chrome-Vanadium

For Slotted Screws.

With black plastic covered handle.



Blades **Chrome-Plated**
Tips **Steel Grey**

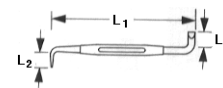
SPAENAUR No.	HAZET No.	mm	mm	L ₁ mm	L ₂ mm
990-963	818-2	1.0	5.5	125	10.5

Offset Screwdrivers

DIN 5208

Tips DIN 5260 Phillips-Recess

With black plastic covered handle.



SPAENAUR No.	HAZET No.		Screw Size	L ₁ mm	L ₂ mm
990-966	819-PH 1 + PH 2	1 + 2	2-4/5-10	125	20

Screwdriver

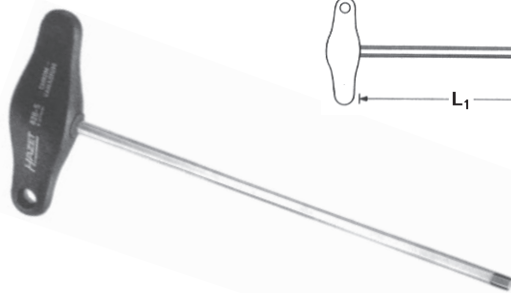
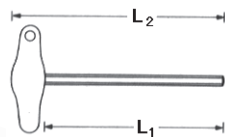
Chrome-Vanadium

For hex socket head screws

With transverse handle.

Black plastic material
(protected by design patent)

Chrome-Plated



SPAENAUR No.	HAZET No.	mm	L ₁ mm	L ₂ mm
990-996	828-2	2	100	118
990-997	828-2.5	2.5	100	118
990-998	828-3	3	150	168
990-999	828-4	4	150	175
991-001	828-5	5	200	226
991-002	828-6	6	200	234
991-003	828-8	8	200	235
991-004	828-10	10	200	235

TORX® Screwdrivers

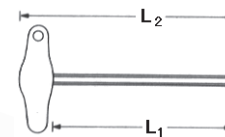
Chrome-Vanadium

For inside TORX® screws

With transverse handle.

Black plastic material
(protected by design patent)

Blades **Chrome-Plated**
Tips **Burnished**

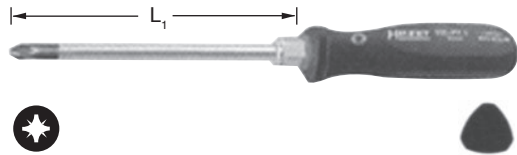


SPAENAUR No.	HAZET No.		L ₁ mm	L ₂ mm
993-593	828-T6	1.7	80	98
991-013	828-T7	1.99	80	98
993-594	828-T8	2.31	80	98
991-015	828-T9	2.5	80	98
993-595	828-T10	2.74	100	126
991-017	828-T15	3.27	100	126
991-018	828-T20	3.86	100	126
991-019	828-T25	4.43	100	136
991-020	828-T30	5.52	130	162
991-021	828-T40	6.65	130	162
991-022	828-T45	7.82	130	165
991-023	828-T50	8.83	130	165

Pozidriv® Screwdrivers with blue ring

Chrome-Vanadium For Pozidriv® screws

Blades **Chrome-Plated**, Tips **Burnished**
From size PZ 3 on, blade with hex bolster



SPAENAUR No.	HAZET No.		L ₁ mm	mm
994-035	803-PZ 0	0	53.5	—
994-036	803-PZ 1	1	80	—
994-037	803-PZ 2	2	94.5	—
994-038	803-PZ 3	3	142	13
994-039	803-PZ 4	4	192	16

TORX® Screwdrivers

Blades **Chrome-Plated**
Tips **Burnished**

For inside TORX® screws
With trinamic®-handle (protected by design patent), Black plastic material



SPAENAUR No.	HAZET No.	mm	L ₁ mm
994-025	803-T 6	1.67	48
994-026	803-T 7	1.99	48
994-027	803-T 8	2.31	55
994-028	803-T 9	2.50	55
994-029	803-T 10	2.74	70
994-030	803-T 15	3.27	70
994-031	803-T 20	3.86	84
994-032	803-T 25	4.43	84
994-033	803-T 27	4.99	99
994-034	803-T 30	5.52	99



For more Screwdrivers See our Wera Line of Drivers Starting on page P19



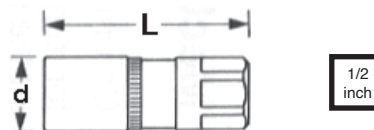
Stud Extractors

Chrome-Vanadium

Chrome-Plated Polished

For tightening and removing studs and staybolts with r.h and l.h. threads.

With 1/2" inside square drive and 21 mm outside 6 point square drive.



SPAENAUR No.	HAZET No.	□ mm	L mm	D mm	□ mm
991-131	844-6	6	65	23.5	21
991-132	844-8	8	65	23.5	21
991-133	844-10	10	75	27.0	21
991-134	844-12	12	75	27.0	21

Blunt Scraper

With black plastic handle.

With replaceable hard-metal tip, to be used on both sides.



SPAENAUR No.	HAZET No.	□ mm	L ₁ mm	L ₂ mm
990-979	825-25	25	265	400

Replaceable Hard-metal Tips

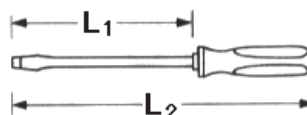
990-980	825-025	25	25	—
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N

Blunt Scraper

Special Steel **Galvanized**

For the easy and complete removal of seal remnants. Handle made of black plastic material.



Square blade.

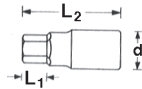
SPAENAUR No.	HAZET No.	□ mm	L ₁ mm	L ₂ mm
990-975	824	23	150	270

Hex Socket

Chrome-Vanadium
1/4" \square drive (DIN 3120)
For hollow hex head screws

1/4
inch

CVD-Titannitrit (Tin) Coated
Yellow or Chrome-Plated,
our option.
Tips **Burnished**

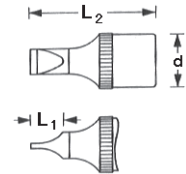


SPAENAUR No.	HAZET No.	S mm	L ₁ mm	L ₂ mm	d mm
991-183	8501-3	3	6.5	28	12
991-184	8501-4	4	6.5	28	12
991-185	8501-5	5	6.5	28	12
991-186	8501-6	6	6.5	28	12
991-187	8501-8	8	6.5	28	12

Slotted Socket

Chrome-Vanadium
1/4" \square drive (DIN 3120)
For slotted screws
Blades according to DIN 5264

CVD-Titannitrit (Tin) Coated
Yellow or Chrome-Plated,
our option.
Blades **Burnished**

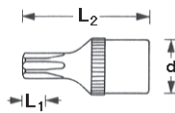


SPAENAUR No.	HAZET No.	$\frac{1}{8}$ mm	$\frac{1}{4}$ mm	L ₁ mm	L ₂ mm	d mm
991-196	8503-0.6 x 3.5	0.6	3.5	5	28	12
991-197	8503-0.8 x 4	0.8	4.0	5	28	12
991-198	8503-1 x 5.5	1.0	5.5	7.5	28	12
991-199	8503-1.2 x 8	1.2	8.0	8	28	12
991-200	8503-1.6 x 10	1.6	10.0	9	28	12

Torx Socket

Chrome-Vanadium
1/4" \square drive (DIN 3120)
For inside TORX® screws

CVD-Titannitrit (Tin)
Coated Yellow or
Chrome-Plated,
our option.
Tips **Burnished**



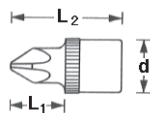
HAZET are licensees for the
manufacture of TORX® tools.

SPAENAUR No.	HAZET No.	$\frac{1}{8}$ mm	L ₁ mm	L ₂ mm	d mm
991-189	8502-T 8	2.31	3.5	28	12
991-190	8502-T 9	2.50	3.5	28	12
991-191	8502-T 10	2.74	3.8	28	12
991-192	8502-T 15	3.27	4.0	28	12
991-193	8502-T 20	3.86	4.0	28	12
991-194	8502-T 25	4.43	4.5	28	12
991-195	8502-T 30	5.52	5.0	28	12

Phillip Socket

Tips DIN 5260 Phillips-Recess
Chrome-Vanadium
1/4" \square drive (DIN 3120)
For Phillips-Recess screws

CVD-Titannitrit (Tin)
Coated Yellow or
Chrome-Plated,
our option.
Tips **Burnished**



SPAENAUR No.	HAZET No.	$\frac{1}{8}$ mm	Screw Sizes	L ₁ mm	L ₂ mm	d mm
991-201	8506-PH 1	1	2-4	16	28	12
991-202	8506-PH 2	2	5-10	16	28	12
991-203	8506-PH 3	3	12-16	16	28	12
991-204	8506-PH 4	4	18->	16	28	12

Pozidriv® Socket

For Pozidriv® screws



Pozidriv® is the protected trade mark
of the European Industrial Services Ltd.

SPAENAUR No.	HAZET No.	$\frac{1}{8}$ mm	L ₁ mm	L ₂ mm	d mm
991-205	8507-PZ 1	1	16	28	12
991-206	8507-PZ 2	2	16	28	12
991-207	8507-PZ 3	3	16	28	12

Socket Adapter

DIN 3123, ISO 3316

Chrome-Plated Chrome-Vanadium

3/8" ■, 1/4" □,
□ drive nominal size 6.3 = 1/4"
■ drive nominal size 10 = 3/8"



1/4 inch 3/8 inch

SPAENAUR No.	HAZET No.	■ inch	□ inch	L mm
991-208	858-1	3/8	1/4	26.5

Reversible Ratchets

DIN 3122, ISO 3315

Chrome-Vanadium

1/4" ■,



With HAZET ergonomic® plastic handle, black (protected by design patent), 20 teeth.

Chrome-Plated Polished

SPAENAUR No.	HAZET No.	L mm	L inch
991-210	863 P	115	4-1/2

Reversible Ratchets

With hinge joint

Chrome-Vanadium

1/4" ■,

With HAZET ergonomic® plastic handle, black (protected by design patent), 20 teeth.

Chrome-Plated Polished



SPAENAUR No.	HAZET No.	L mm	L inch
991-212	863 G	135	5-5/16

Flexible Handle

DIN 3122, ISO 3315

Chrome-Vanadium

1/4" ■,

Chrome-Plated

With HAZET ergonomic® plastic handle, black (protected by design patent),



SPAENAUR No.	HAZET No.	L mm	L inch
991-215	864	143	5-5/8

Spin Type Speeder

DIN 3122, ISO 3315

Chrome-Vanadium

Chrome-Plated

1/4" ■,

With trinamic®-handle, black (protected by design patent)



SPAENAUR No.	HAZET No.	L mm	L inch
991-217	866	134	5-1/4

Extensions

DIN 3123, ISO 3316

Chrome-Vanadium

1/4" ■, 1/4" □ drive,

□ drive nominal size 6.3 = 1/4"

■ drive nominal size 6.3 = 1/4"



1/4 inch

Chrome-Plated Polished

SPAENAUR No.	HAZET No.	L mm	L inch
991-218	867-2	55	2
991-219	867-4	100	4

DIN 3123, ISO 3316



991-220	868	147	5-3/4"
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Universal Joint

DIN 3123, ISO 3316

Chrome-Vanadium

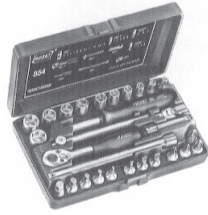
1/4" ■, 1/4" □ drive,

Chrome-Plated



SPAENAUR No.	HAZET No.	L mm	L inch
991-221	869	36.5	1-7/16"

1/4
inch



SPAENAUR No. 991-229
(HAZET No. 854)

-with Screwdriver Bits-
30 parts

187 x 125 x 39 mm

6 Point Sockets				Bits		Bits		SPAENAUR No's.	
SPAENAUR No.	Sizes	SPAENAUR No.	Sizes	SPAENAUR No.	Sizes	SPAENAUR No.	Sizes		
991-142	4	991-149	9	991-183	3	991-201	1		991-210
991-144	5	991-150	10	991-184	4	991-202	2		991-216
991-145	5.5	991-151	11	991-185	5	Bits 991-205 1 991-206 2			991-217
991-146	6	991-152	12	991-186	6				991-218
991-147	7	991-153	13	991-187	8				991-220
991-148	8	991-154	14						991-221
								Bits	
								991-196	0.6 x 3.5
								991-198	1 x 5.5
								991-199	1.2 x 8

Extensions

DIN 3123, ISO 3316
Chrome-Vanadium

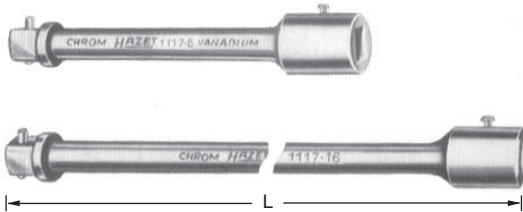
1" ■, 1" □, drive

■ with locking device,

□ with bolt for locking device

1
inch

Chrome-Plated
Polished



SPAENAUR No.	HAZET No.	L		Ø mm
		mm	inch	
991-876	1117-8	200	8	28
991-877	1117-16	400	16	28

Universal Joint

Chrome-Vanadium
1" ■, 1" □, drive (DIN 3120)
■ with locking device,
□ with bolt for locking device

Chrome-Plated

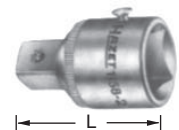


SPAENAUR No.	HAZET No.	L		Ø mm
		mm	inch	
991-878	1121	143	5-3/4	48

Adapter

DIN 3123, ISO 3316
Chrome-Vanadium
1" □ drive,
■ with ball fitting and locking device,
□ with bolt for locking device

Chrome-Plated



SPAENAUR No.	HAZET No.	L mm	inch	
			■	□
991-879	1158-2	70	3/4	1

6 Point Spark Plug Sockets

Foreign patents

Chrome-Vanadium

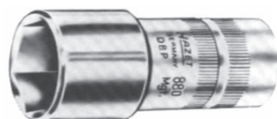
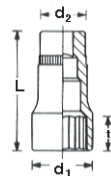
3/8" □ drive (DIN 3120)

3/8
inch

SPAENAUR No. 993-978
Replacement Magnet for 991-372
SPAENAUR No. 993-977
Replacement Magnet for 991-373

Chrome-Plated
Polished

Long pattern, with permanent magnet and guide bushing
Centres all plugs automatically.



SPAENAUR No.	HAZET No.	s		L mm	d1 mm	d2 mm	t mm
		mm	inch				
991-372	880 Mg T	20.8	13/16	64	27.4	22.5	9.0
991-373	880 A Mg T	16.0	5/8	64	21.6	21.7	9.0

6 Point Sockets

Douilles à 6 pointes



Inch and Metric

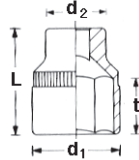
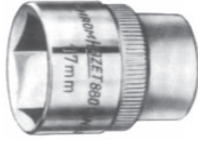
Pouce et Métrique

6 Point Sockets

DIN 3124, ISO 2725
 Chrome-Vanadium
 3/8" □ drive,

3/8
inch

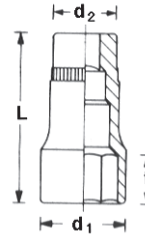
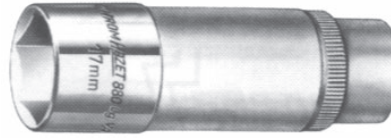
Chrome-Plated
Polished



6 Point Sockets

DIN 3124, ISO 2725
 Chrome-Vanadium
 3/8" □ drive,

Chrome-Plated
Polished



SPAENAUR No.	HAZET No.	mm	L mm	d ₁ mm	d ₂ mm	t mm
*991-236	880-6	6	24.0	10.0	17.0	6.2
991-237	880-7	7	24.0	10.5	17.0	6.2
991-238	880-8	8	24.0	11.8	17.0	6.2
991-239	880-9	9	24.0	13.0	17.0	6.2
991-240	880-10	10	25.0	14.4	17.0	7.2
991-241	880-11	11	26.0	15.8	17.5	8.2
991-242	880-12	12	27.0	17.0	18.5	9.2
*991-243	880-13	13	27.5	18.7	17.0	9.7
*991-244	880-14	14	29.5	19.8	17.5	11.7
*991-245	880-15	15	29.5	21.1	18.0	11.7
991-246	880-16	16	29.5	22.1	18.0	11.7
991-247	880-17	17	29.5	23.3	18.5	11.7
*991-248	880-18	18	31.5	24.8	19.0	13.5
991-249	880-19	19	31.5	25.8	19.5	13.5
991-250	880-20	20	31.5	26.8	21.0	13.5
991-251	880-21	21	31.5	28.3	22.5	13.0
*991-252	880-22	22	33.8	30.3	23.5	16.0

*not according to DIN

Width Across Flats according to ISO 691

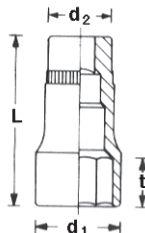
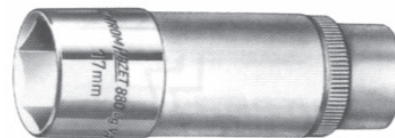
		Inch Sizes	L mm	d ₁ mm	d ₂ mm	t mm
991-253	880A-1/4	1/4	24.0	10.0	17.0	6.2
991-254	880A-5/16	5/16	24.0	11.8	17.0	6.2
991-255	880A-3/8	3/8	25.0	13.8	17.0	7.2
991-256	880A-7/16	7/16	26.0	15.8	17.5	8.2
991-257	880A-1/2	1/2	27.5	18.7	17.0	9.7
991-258	880A-9/16	9/16	29.5	20.1	17.5	11.7
991-259	880A-5/8	5/8	29.5	22.1	18.0	11.7
991-260	880A-11/16	11/16	29.5	23.8	18.5	11.7
991-261	880A-3/4	3/4	31.5	25.8	19.5	13.5

Long Pattern

SPAENAUR No.	HAZET No.	mm	L mm	d ₁ mm	d ₂ mm	t mm
*991-262	880 Lg-9	9	54	13.0	17.0	10.0
*991-263	880 Lg-10	10	54	14.4	17.0	10.0
*991-264	880 Lg-11	11	54	15.8	17.2	11.0
*991-265	880 Lg-12	12	54	17.0	18.5	11.0
*991-266	880 Lg-13	13	54	18.4	18.5	12.0
*991-267	880 Lg-14	14	54	19.5	19.5	15.0
*991-268	880 Lg-15	15	60	20.8	19.5	15.0
*991-269	880 Lg-16	16	60	21.8	18.5	16.0
*991-270	880 Lg-17	17	60	23.0	18.5	16.0
*991-271	880 Lg-18	18	66	24.4	20.0	20.0
*991-272	880 Lg-19	19	66	25.5	20.0	20.0
991-273	880 Lg-20	20	70	26.6	21.0	22.0
♦991-274	880 Lg-20.8	20.8	70	27.4	21.0	16.5
991-275	880 Lg-21	21	70	28.0	22.0	22.0
991-276	880 Lg-22	22	70	29.6	21.0	22.0

* not according to DIN

♦ with rubber insert for spark plugs



Inch
Sizes

991-277	880A Lg-3/8	3/8	54	13.8	17.0	10.0
991-278	880A Lg-7/16	7/16	54	15.8	17.2	11.0
991-280	880A Lg-9/16	9/16	60	19.8	19.5	15.0
991-281	880A Lg-19/32	19/32	60	20.8	19.5	15.0
991-282	880A Lg-5/8	5/8	60	21.8	18.5	16.0
991-283	880A Lg-11/16	11/16	66	23.5	19.0	20.0
991-284	880A Lg-3/4	3/4	66	25.5	19.0	20.0
991-286	880A Lg-7/8	7/8	70	29.6	22.0	22.0

CATALOG 14
SPAENAUR

N20

P: 1-800-265-8772 F: 1-888-252-6380 service@spaenaur.com

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Hex Socket

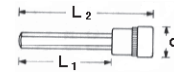


Sockets Chrome-Vanadium
Blades Special High Tensile Steel

3/8" □ drive (DIN 3120)

For hex socket head screws

Chrome-Plated
Blades



3/8
inch

SPAENAUR No.	HAZET No.	s mm	L ₁ mm	L ₂ mm	d mm	Replacement Bit	
						SPAENAUR No.	HAZET No.
♦ 991-378	8801-3	3	23.5	50	17.0	993-256	8801-03
♦ 991-379	8801-4	4	28.5	55	17.0	993-257	8801-04
♦ 991-380	8801-5	5	33.5	60	17.0	993-258	8801-05
♦ 991-381	8801-6	6	38.5	65	17.0	993-259	8801-06
♦ 991-382	8801-7	7	43.5	70	19.0	—	—
♦ 991-383	8801-8	8	48.5	75	19.0	—	—
♦ 991-384	8801-9	9	52.5	80	19.0	993-262	8801-09
♦ 991-385	8801-10	10	57.5	85	19.0	993-263	8801-010
♦ 991-386	8801-12	12	62.5	90	19.0	993-264	8801-012

Inch Sizes

♦ 991-387	8801 A-1/8	1/8	23.5	50	17.0	993-265	8801 A-01/8
♦ 991-388	8801 A-5/32	5/32	28.5	55	17.0	993-266	8801 A-05/32
♦ 991-389	8801 A-3/16	3/16	33.5	60	17.0	—	—
♦ 991-390	8801 A-7/32	7/32	38.5	65	17.0	993-268	8801 A-07/32
♦ 991-391	8801 A-1/4	1/4	43.5	70	19.0	—	—
♦ 991-392	8801 A-5/16	5/16	48.5	75	19.0	993-270	8801 A-05/16
♦ 991-393	8801 A-3/8	3/8	52.5	80	19.0	993-271	8801 A-03/8

♦ With offset blade

TORX® Socket

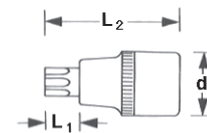


Sockets Chrome-Vanadium Blades Special
High Tensile Steel

3/8" □ drive,

For inside TORX® screws

Chrome-Plated
Blades



SPAENAUR No.	HAZET No.	mm	L ₁ mm	L ₂ mm	d mm
991-394	8802-T15	3.27	17	43.5	19
991-395	8802-T20	3.86	17	43.5	19
991-396	8802-T25	4.43	17	43.5	19
991-397	8802-T27	4.99	17	43.5	19
991-398	8802-T30	5.52	17	43.5	19
991-399	8802-T40	6.65	17	43.5	19
991-400	8802-T45	7.82	17	43.5	19
991-401	8802-T50	8.83	17	44.5	19

Slotted Socket

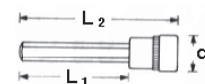


Sockets Chrome-Vanadium
Blades Special High Tensile Steel

3/8" □ drive (DIN 3120)

For Slotted screws

Chrome-Plated
Blades



SPAENAUR No.	HAZET No.	mm	mm	L ₁ mm	L ₂ mm	d mm	Replacement Bit	
							SPAENAUR No.	HAZET No.
991-402	8803-1 x 5.5	1.0	5.5	48.5	75	17.0	993-281	8803-01 x 5.5
991-403	8803-1.2 x 8	1.2	8.0	53.5	80	19.0	993-282	8803-01.2 x 8
991-404	8803-1.6 x 10	1.6	10.0	62.5	90	19.0	993-283	8803-01.6 x 10

Phillips Socket

Sockets Chrome-Vanadium Blades Special High Tensile Steel

3/8" □ drive (DIN 3120)
 For Phillips Recess screws
 Tips DIN 5260 Phillips Recess

Chrome-Plated
 Blades



3/8
 inch

SPAENAUR No.	HAZET No.		Screw Size	L ₁ mm	L ₂ mm	d mm
991-405	8806-PH 1	1	2-4	23.5	50	17.0
991-406	8806-PH 2	2	5-10	23.5	50	17.0
991-407	8806-PH 3	3	12-16	28.5	55	19.0
991-408	8806-PH 4	4	18->	32.5	60	19.0

XZN Socket

Sockets Chrome-Vanadium Blades Special High Tensile Steel

3/8" □ drive (DIN 3120)
 For XZN Screws

Chrome-Plated
 Blades



SPAENAUR No.	HAZET No.	M	L ₁ mm	L ₂ mm	d mm	Replacement Bits	
						SPAENAUR No.	HAZET No.
991-413	8808-5	5	13.5	40	19	993-292	8808-05
991-414	8808-6	6	13.5	40	19	993-293	8808-06
991-415	8808-8	8	14.5	41	19	—	—
991-416	8808-10	10	14.5	42	19	993-295	8808-010

Long Pattern



991-417	8808 Lg-8	8	61.5	88	19	993-296	8808 Lg-08
991-418	8808 Lg-10	10	61.5	89	19	993-297	8808 Lg-010

N

SPAENAUR
 Fasteners Right Now®

See Page N34 for more
 Hazet Sockets / Socket Bits

Flexible Handle - Power Bar

DIN 3122, ISO 3315

Chrome-Vanadium

3/8" ■ drive,

with HAZET-ergonomic® plastic handle, black (protected by design patent)



Chrome-Plated Polished

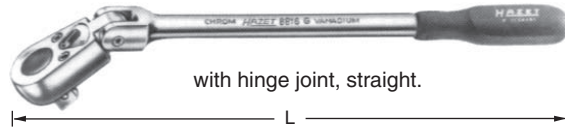
SPAENAUR No.	HAZET No.	mm	L inch
991-421	8814	250	10

Reversible Ratchet

Chrome-Vanadium

3/8" ■ drive (DIN 3120),

with 30 teeth, with HAZET-ergonomic® plastic handle, black (protected by design patent),



with hinge joint, straight.

Chrome-Plated Polished

SPAENAUR No.	HAZET No.	mm	L inch
991-424	8816 G	276	11

Reversible Ratchet

Din 3122, ISO 3315

Chrome-Vanadium

3/8" ■ drive,

with 30 teeth, with HAZET-ergonomic® plastic handle, black (protected by design patent)



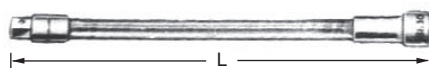
Chrome-Plated Polished

SPAENAUR No.	HAZET No.	mm	L inch
991-428	8816 P	200	7-3/4

Flexible Extension

Chrome-Vanadium

3/8" ■, 3/8" □ drive (DIN 3120)



Chrome-Plated Polished Shaft Burnished

SPAENAUR No.	HAZET No.	mm	L inch
991-438	8830	210	8-1/4

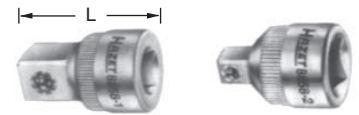
Socket Adapters

DIN 3123, ISO 3316

Chrome-Vanadium

3/8" □ drive

Chrome-Plated



991-439

991-440

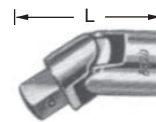
SPAENAUR No.	HAZET No.	L mm	■ inch	□ inch
991-439	8858-1	36	1/2	3/8
991-440	8858-2	26	1/4	3/8

Universal Joint

DIN 3123, ISO 3316

Chrome-Vanadium

3/8" ■, 3/8" □



Chrome-Plated

SPAENAUR No.	HAZET No.	L mm	L inch
991-429	8820	46.5	2

Sliding T-Handle

DIN 3122, ISO 3315

Chrome-Vanadium

3/8" ■ drive

Chrome-Plated Polished



SPAENAUR No.	HAZET No.	mm	L inch
991-422	8815	198	7-3/4

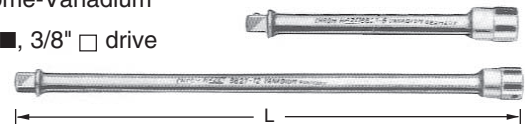
Extensions

DIN 3123, ISO 3316

Chrome-Vanadium

3/8" ■, 3/8" □ drive

Chrome-Plated Polished



SPAENAUR No.	HAZET No.	mm	L inch
991-430	8821-3	74	3
991-431	8821-5	126	5
*991-432	8821-6	150	6
*991-433	8821-8	202	7-3/4
991-434	8821-10	254	10
*991-435	8821-12	304	12
*991-436	8821-20	508	20
*991-437	8821-28	711	28

*not according to DIN

6 Point Sockets

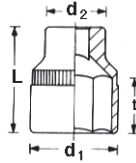
DIN 3124, ISO 2725

Chrome-Vanadium

1/2" □ drive,

1/2
inch

Chrome-Plated
Polished



SPAENAUR No.	HAZET No.	mm	L mm	d ₁ mm	d ₂ mm	t mm
*991-465	900-8	8	38.0	12.0	22.0	7.5
*991-466	900-9	9	38.0	13.5	22.0	8.5
991-467	900-10	10	38.0	14.9	22.0	10.5
991-468	900-11	11	38.0	16.4	22.0	10.5
991-469	900-12	12	38.0	17.5	22.0	11.0
991-470	900-13	13	38.0	18.8	22.0	11.0
991-471	900-14	14	38.0	20.3	22.0	11.5
991-472	900-15	15	38.0	21.5	23.0	11.5
991-473	900-16	16	38.0	22.7	23.6	12.5
*991-474	900-17	17	38.0	24.6	22.0	12.5
991-475	900-18	18	38.0	25.4	22.4	14.0
*991-476	900-19	19	38.0	26.7	23.0	14.0
991-477	900-20	20	38.0	27.8	24.0	14.0
991-478	900-21	21	38.0	29.0	25.0	14.0
991-479	900-22	22	41.5	30.4	26.0	17.5
991-480	900-23	23	41.5	31.4	26.0	17.5
991-481	900-24	24	44.0	32.6	26.0	20.0
991-482	900-25	25	44.0	33.9	26.0	20.0
991-483	900-26	26	44.0	35.1	24.0	20.0
991-484	900-27	27	46.0	36.2	25.0	21.0
991-485	900-28	28	47.0	37.5	26.0	22.0
*991-486	900-29	29	50.0	38.7	27.0	25.0
991-487	900-30	30	50.0	40.1	28.0	25.0
991-488	900-32	32	50.0	42.3	28.0	24.0

* not according to DIN

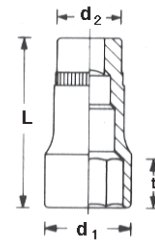
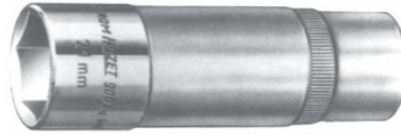
6 Point Sockets

DIN 3124, Deep Sockets

Chrome-Vanadium

1/2" □ drive,

Chrome-Plated
Polished



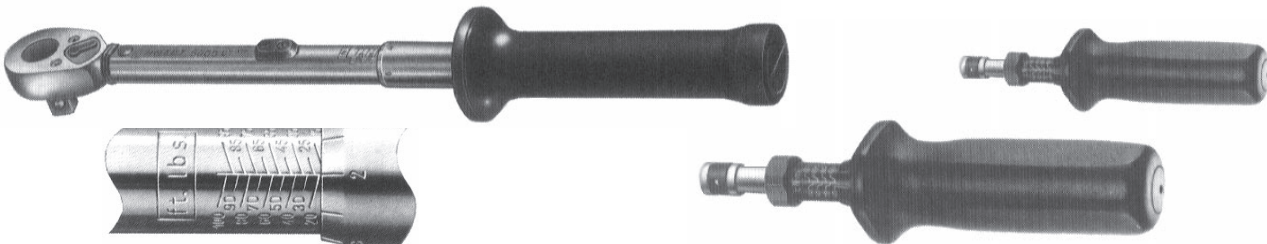
SPAENAUR No.	HAZET No.	mm	L mm	d ₁ mm	d ₂ mm	t mm
*991-504	900 Lg-12	12	82	17.5	22.0	11
991-505	900 Lg-13	13	82	18.8	22.0	12
991-506	900 Lg-14	14	82	19.9	22.5	15
991-507	900 Lg-15	15	82	21.5	23.2	15
991-508	900 Lg-16	16	82	22.7	23.6	15
991-509	900 Lg-17	17	82	24.1	23.6	15
*991-510	900 Lg-18	18	82	24.6	23.6	15
991-513	900 Lg-21	21	82	28.6	24.5	18
991-514	900 Lg-22	22	82	30.4	25.0	21
991-515	900 Lg-24	24	82	32.6	27.5	24
991-516	900 Lg-26	26	82	35.1	29.5	24
991-517	900 Lg-27	27	82	36.3	30.0	27
991-518	900 Lg-30	30	82	40.1	33.0	30

* not according to DIN

N



See page N46 for Hazet Torque Wrenches



CATALOG 14

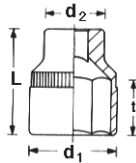
SPAENAUR

12 Point Sockets

DIN 3124, ISO 2725

Chrome-Vanadium

1/2" □ drive,



1/2
inch

Chrome-Plated
Polished

SPAENAUR No.	HAZET No.	mm	L mm	d ₁ mm	d ₂ mm	t mm
*991-528	900 Z-8	8	38.0	12.0	22.0	7.5
*991-529	900 Z-9	9	38.0	13.5	22.0	8.5
991-530	900 Z-10	10	38.0	14.9	22.0	10.5
991-531	900 Z-11	11	38.0	16.4	22.0	10.5
991-532	900 Z-12	12	38.0	17.5	22.0	11.0
991-533	900 Z-13	13	38.0	18.8	22.0	11.0
991-534	900 Z-14	14	38.0	20.3	22.5	11.5
991-535	900 Z-15	15	38.0	21.5	23.2	11.5
991-536	900 Z-16	16	38.0	22.7	23.6	12.5
*991-537	900 Z-17	17	38.0	24.6	22.0	12.5
991-538	900 Z-18	18	38.0	25.4	22.4	14.0
*991-539	900 Z-19	19	38.0	26.7	23.0	14.0
991-540	900 Z-20	20	38.0	27.8	24.0	14.0
991-541	900 Z-21	21	38.0	29.0	25.0	14.0
991-542	900 Z-22	22	41.5	30.4	26.0	17.5
991-543	900 Z-23	23	41.5	31.4	26.0	17.5
991-544	900 Z-24	24	44.0	32.6	26.0	20.0
991-545	900 Z-25	25	44.0	33.9	24.8	20.0
991-546	900 Z-26	26	44.0	35.1	24.0	20.0
991-547	900 Z-27	27	46.0	36.2	25.0	21.0
991-548	900 Z-28	28	47.0	37.5	26.0	22.0
*991-549	900 Z-29	29	50.0	38.7	27.0	25.0
991-550	900 Z-30	30	50.0	40.1	28.0	25.0
991-551	900 Z-32	32	50.0	42.3	28.0	24.0
*991-552	900 Z-33	33	50.0	43.6	28.0	24.0

* not according to DIN

Width Across Flats according to ISO 691

Inch Sizes

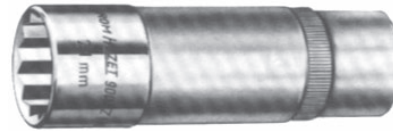
991-553	900 AZ-3/8	3/8	38.0	14.5	22.0	10.5
991-554	900 AZ-7/16	7/16	38.0	16.4	22.0	10.5
991-555	900 AZ-1/2	1/2	38.0	18.3	22.0	11.0
991-556	900 AZ-9/16	9/16	38.0	20.5	22.5	11.5
991-557	900 AZ-19/32	19/32	38.0	21.5	23.2	11.5
991-558	900 AZ-5/8	5/8	38.0	22.7	23.6	12.5
991-559	900 AZ-11/16	11/16	38.0	24.6	22.0	12.5
991-560	900 AZ-3/4	3/4	38.0	26.8	23.0	14.0
991-561	900 AZ-25/32	25/32	38.0	27.8	24.0	14.0
991-562	900 AZ-13/16	13/16	38.0	28.6	25.0	14.0
991-563	900 AZ-7/8	7/8	41.5	30.4	26.0	17.5
991-564	900 AZ-15/16	15/16	44.0	32.6	26.0	20.0
991-565	900 AZ-31/32	31/32	44.0	33.4	24.6	20.0
991-566	900 AZ-1	1	44.0	34.6	24.8	20.0
991-567	900 AZ-1-1/16	1-1/16	46.0	36.3	25.0	21.0
991-568	900 AZ-1-1/8	1-1/8	47.0	38.2	26.5	22.0
991-569	900 AZ 1-3/16	1-3/16	50.0	40.1	28.0	25.0
991-570	900 AZ-1-1/4	1-1/4	50.0	42.3	28.0	24.0

12 Point Sockets

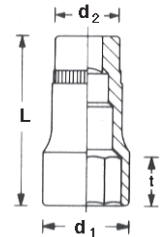
DIN 3124,

Chrome-Vanadium

1/2" □ drive,



Chrome-Plated
Polished



Deep Sockets

SPAENAUR No.	HAZET No.	mm	L mm	d ₁ mm	d ₂ mm	t mm
*991-571	900 TZ-12	12	82	17.5	22.0	11
991-572	900 TZ-13	13	82	18.8	22.0	12
991-573	900 TZ-14	14	82	19.9	22.5	15
991-574	900 TZ-15	15	82	21.5	23.2	15
991-575	900 TZ-16	16	82	22.7	23.6	15
991-576	900 TZ-17	17	82	24.1	23.6	15
*991-577	900 TZ-18	18	82	24.6	23.6	15
*991-578	900 TZ-19	19	82	26.8	26.0	18
◆ 991-579	900 TZ-20.8	20.8	82	28.5	24.5	18
991-580	900 TZ-21	21	82	28.6	24.5	18
991-581	900 TZ-22	22	82	30.4	25.0	21
991-582	900 TZ-24	24	82	32.6	27.5	24
991-584	900 TZ-27	27	82	36.3	30.0	27
991-585	900 TZ-30	30	82	40.1	33.0	30

*not according to DIN

◆ with rubber insert for spark plugs

SPAENAUR
Fasteners Right Now®

Flexible Handles

DIN 3122, ISO 3315

Chrome-Vanadium

1/2" ■ drive,

with HAZET-ergonomic® plastic handle, black (protected by design patent)

Chrome-Plated



SPAENAUR No.	HAZET No.	L	
		mm	inch
991-625	914-15	396	15-1/2
*991-626	914-18	472	18-3/4

* not according to DIN

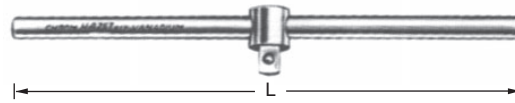
Sliding T-Handle

DIN 3122, ISO 3315

Chrome-Vanadium

1/2" ■ drive

Chrome-Plated Polished



SPAENAUR No.	HAZET No.	L	
		mm	inch
991-627	915	298	12

Reversible Ratchets with hinge joint

Chrome-Vanadium

1/2" ■ drive (DIN 3120),

Polished

with HAZET-ergonomic® plastic handle, black (protected by design patent)
32 teeth



Short Pattern

SPAENAUR No.	HAZET No.	L	
		mm	inch
991-632	916 GK	270	10-1/2

Chrome-Plated

1/4" Drive 6 Point Sockets

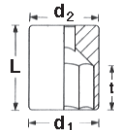
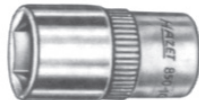
DIN 3124, ISO 2725

Chrome-Vanadium

1/4" □ drive

Chrome-Plated Polished

1/4 inch



SPAENAUR No.	HAZET No.	mm	L mm	d ₁ mm	d ₂ mm	t mm
991-142	850-4	4	25	6.8	11.0	3.7
991-143	850-4.5	4.5	25	7.0	11.0	4.2
991-144	850-5	5	25	8.0	11.0	4.1
991-145	850-5.5	5.5	25	8.5	11.0	4.6
991-146	850-6	6	25	9.0	11.0	5.1
991-147	850-7	7	25	10.5	11.5	5.6
*991-148	850-8	8	25	11.5	12.5	6.3
991-149	850-9	9	25	13.0	11.5	7.3
991-150	850-10	10	25	14.0	12.5	7.3
991-151	850-11	11	25	15.5	14.0	8.3
991-152	850-12	12	25	17.0	15.0	9.3
991-153	850-13	13	25	18.0	15.0	9.3
991-154	850-14	14	25	19.5	16.0	10.8

*not according to DIN

Deep Sockets

Sizes 4 - 5.5 = DIN 3124

SPAENAUR No.	HAZET No.	L mm	d ₁ mm	d ₂ mm	t mm
991-165	850 Lg-4	50	6.7	11.0	3.8
991-166	850 Lg-5	50	7.9	11.0	4.4
991-167	850 Lg-5.5	50	8.5	11.0	4.7
991-168	850 Lg-6	50	9.2	11.0	5.0
991-169	850 Lg-7	50	10.4	11.0	5.5
991-170	850 Lg-8	50	11.6	11.6	6.0
991-171	850 Lg-9	50	13.0	13.0	6.5
991-172	850 Lg-10	50	14.2	14.2	7.0
991-173	850 Lg-11	50	15.5	15.5	7.5
991-174	850 Lg-12	50	16.8	16.8	8.0
991-175	850 Lg-13	50	18.0	18.0	8.5

Inch Sizes

SPAENAUR No.	HAZET No.	Inch	L mm	d ₁ mm	d ₂ mm	t mm
991-155	850A-3/16	3/16	25	8.0	11.0	4.2
991-156	850A-7/32	7/32	25	8.5	11.0	4.6
991-157	850A-1/4	1/4	25	9.5	11.0	5.1
991-158	850A-9/32	9/32	25	10.5	11.5	5.6
991-159	850A-5/16	5/16	25	11.5	12.5	6.3
991-160	850A-11/32	11/32	25	13.0	11.5	7.3
991-161	850A-3/8	3/8	25	14.0	12.5	7.3
991-162	850A-7/16	7/16	25	15.5	14.0	8.3
991-163	850A-1/2	1/2	25	18.0	15.0	9.3
991-164	850A-9/16	9/16	25	19.5	16.0	10.8

Reversible Ratchet

DIN 3122, ISO 3315

Chrome-Vanadium

1/2" ■ drive,
with HAZET-ergonomic®
plastic handle, black
(protected by design patent)

**Chrome-Plated
Polished**
32 teeth



SPAENAUR No.	HAZET No.	mm	L	inch
991-634	916 SP	275		10-3/4

*Replacement Plastic Handle
for 991-630 and 991-634*
SPAENAUR No. 993-310
(HAZET No. 916 KG-02)

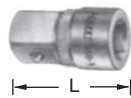
Socket Adapters

DIN 3123, ISO 3316

Chrome-Vanadium

1/2" □ drive

Chrome-Plated



991-640



991-641

SPAENAUR No.	HAZET No.	L mm	■ inch	□ inch
991-640	958-1	50	3/4	1/2
991-641	958-2	36	3/8	1/2

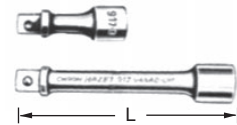
Extensions

DIN 3123, ISO 3316

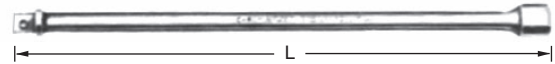
Chrome-Vanadium

1/2" ■, 1/2" □ drive

**Chrome-Plated
Polished**



SPAENAUR No.	HAZET No.	mm	L	inch
991-635	917-3	76		3
991-636	917-5	123		5



Long Pattern

991-637	918-10	248		9-3/4
991-638	918-23	575		22-1/2

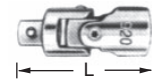
Universal Joint

DIN 3123, ISO 3316

Chrome-Vanadium

1/2" ■, 1/2" □ drive

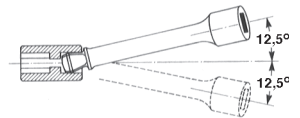
Chrome-Plated



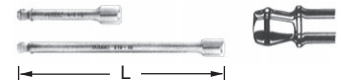
SPAENAUR No.	HAZET No.	mm	L	inch
991-639	920	70		2-3/4

Wobble Extension

With ball shaped, conical
outside square drive -
allows 12.5° angular
movement to every side.



For working on fasteners
in constricted areas.

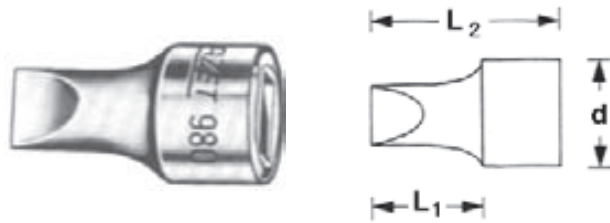


SPAENAUR No.	HAZET No.	mm	L	inch
993-802	919-5	123		4-7/8
993-803	919-10	248		9-3/4

Drag Link Sockets

Chrome-Vanadium
1/2" □ drive (DIN 3120),
For slotted screws.

Chrome-Plated



SPAENAUR No.	HAZET No.	mm	mm	L ₁ mm	L ₂ mm	d mm
991-643	980-2 x 13	2	13	19.5	38	22.0
991-644	980-3 x 19	3	19	20.0	38	23.7

Hex Head Sockets

1/2" □ drive (DIN 3120),
For hex socket head screws.



Chrome-Plated
Tips Burnished



SPAENAUR No.	HAZET No.	s mm	L ₁ mm	L ₂ mm	d mm
991-646	985-4	4	5	38	22
991-647	985-5	5	5	38	23
991-648	985-6	6	6	38	23
991-649	985-8	8	8	38	23
991-650	985-10	10	10	40	25
991-651	985-12	12	12	40	25
991-652	985-14	14	14	40	25
991-653	985-17	17	17	42	28
991-654	985-19	19	19	42	28

Hex Head Sockets

DIN 7422

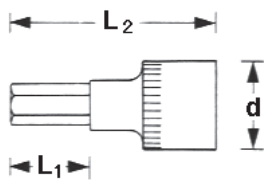


Sockets Chrome-Vanadium,
Blades Special High Tensile Steel
1/2" □ drive (DIN 3120),
For hex socket head screws.

Chrome-Plated
Blades Steel Grey

SPAENAUR No.	HAZET No.	s mm	L ₁ mm	L ₂ mm	d mm	Replacement Bit	
						SPAENAUR No.	Hazet No.
991-656	986-4	4	22	60	23	—	—
991-657	986-5	5	22	60	23	993-317	986-05
991-658	986-6	6	22	60	23	993-318	986-06
991-659	986-7	7	22	60	23	993-319	986-07
991-660	986-8	8	22	60	23	993-320	986-08
991-661	986-10	10	22	60	23	993-321	986-010
991-662	986-12	12	22	60	23	993-322	986-012
991-663	986-14	14	22	60	23	—	—

sizes 8, 10 and 14 = E DIN 7422



Inch Sizes

991-664	986 A-5/32	5/32	14	52	23	—	—
991-665	986 A-3/16	3/16	14	52	23	—	—
991-666	986 A-7/32	7/32	14	52	23	—	—
991-667	986 A-1/4	1/4	14	52	23	—	—
991-668	986 A-5/16	5/16	14	52	23	—	—
991-669	986 A-3/8	3/8	14	52	23	—	—
991-670	986 A-7/16	7/16	14	52	23	—	—
991-671	986 A-1/2	1/2	14	52	23	—	—

N

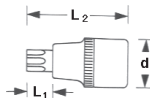
XZN Sockets



1/2
inch

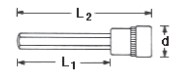
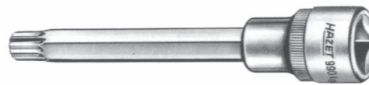
Sockets Chrome-Vanadium,
Blades Special High Tensile Steel
1/2" □ drive (DIN 3120),
For XZN screws

Chrome-Plated
Blades **Steel Grey**



SPAENAUR No.	HAZET No.	M	L ₁ mm	L ₂ mm	d mm	Replacement Bits	
						SPAENAUR No.	HAZET No.
991-690	990-5	5	14	52	23	993-351	990-05
991-691	990-6	6	14	52	23	993-352	990-06
991-692	990-8	8	15	53	23	993-353	990-08
991-693	990-10	10	15	53	23	993-354	990-10
991-694	990-12	12	17	55	23	993-355	990-12
991-695	990-14	14	20	58	23	—	—
991-696	990-16	16	22	60	23	993-357	990-16

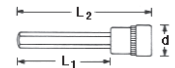
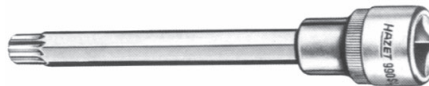
Long Pattern



991-698	990 Lg-10	10	62	100	23	993-358	990 Lg-08
991-699	990 Lg-12	12	62	100	23	993-360	990 Lg-012

Extra Long Pattern

e.g. for cylinder head screws
on engines of various car-types



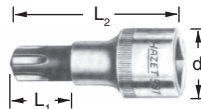
991-700	990 S Lg-10	10	82	120	23	993-361	990 S Lg-010
991-701	990 S Lg-12	12	102	140	23	993-362	990 S Lg-012

RIBE CV Sockets



Sockets Chrome-Vanadium,
Blades Special High Tensile Steel
1/2" □ drive (DIN 3120),
For RIBE CV screws

Chrome-Plated
Blades **Steel Grey**



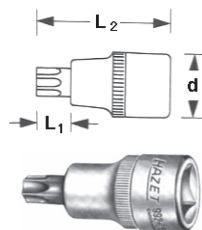
991-702	991-5	5	25	63	23	993-363	991-05
991-703	991-6	6	25	63	23	993-364	991-06
991-704	991-8	8	25	63	23	993-365	991-08
991-705	991-10	10	25	63	23	—	—
991-706	991-12	12	25	63	23	993-367	991-012
991-707	991-14	14	25	63	23	993-368	991-014
991-708	991-16	16	25	63	23	993-369	991-016

TORX® Sockets



Sockets Chrome-Vanadium,
Blades Special High Tensile Steel
1/2" □ drive (DIN 3120),
For inside TORX® screws.

Chrome-Plated
Blades **Steel Grey**



SPAENAUR No.	HAZET No.	mm	L ₁ mm	L ₂ mm	d mm	Replacement Bit	
						SPAENAUR No.	HAZET No.
991-709	992-T 20	3.86	17	55	23	993-370	992-T020
991-710	992-T 25	4.43	17	55	23	993-371	992-T025
991-711	992-T 27	4.99	17	55	23	993-372	992-T027
991-712	992-T 30	5.52	17	55	23	—	—
991-713	992-T 40	6.65	17	55	23	—	—
991-714	992-T 45	7.82	17	55	23	993-375	992-T045
991-715	992-T 50	8.83	17	55	23	993-376	992-T050
991-716	992-T 55	11.22	18	56	23	—	—
991-717	992-T 60	13.25	18	56	23	993-378	992-T060

Long Pattern

For cylinder head screws on engines
of Ford 1.8 L diesel-engines (turbo) Fiesta,
Escort, Sierra, P 100 since model 8/92

993-804	992 LG-T70	15.54	67	105	23	—	—
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Hex Sockets

DIN 7422
Sockets Chrome-Vanadium,
Blades Special High Tensile Steel
1/2" □ drive (DIN 3120),

For hex socket head screws.

Chrome-Plated
Blades **Steel Grey**

Long Pattern (Metric Sizes)



1/2
inch

SPAENAUR No.	HAZET No.	s mm	L ₁ mm	L ₂ mm	d mm	Replacement Bit	
						SPAENAUR No.	Hazet No.
991-672	986 Lg-5	5	142	180	23	—	—
991-673	986 Lg-6	6	99	137	23	993-333	986 Lg-06
991-674	986 Lg-7	7	62	100	23	993-334	986 Lg-07
991-675	986 Lg-8	8	42	80	23	993-335	986 Lg-08
991-676	986 Lg-10	10	103	141	23	—	—



Extra Long Pattern (Metric Sizes)

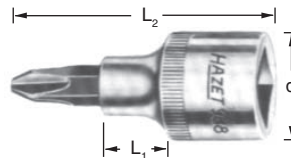
991-677	986 S Lg-6	6	112	160	23	993-337	986 S Lg-06
991-678	986 S Lg-8	8	81	119	23	993-338	986 S Lg-08

Phillips Sockets

Sockets Chrome-Vanadium, Blades Special High Tensile Steel 1/2" □ drive (DIN 3120), For Phillips Recess screws.
Tips as per DIN 5260 **Chrome-Plated** Blades **Steel Grey**

Long Pattern
Especially for chain adjustment rail on Mazda.

SPAENAUR No.	HAZET No.	mm	Screw Size	L ₁ mm	L ₂ mm	d mm
991-685	988-PH 3	3	12-16	18	56	23



TORX® Sockets



Long Pattern

T 45: for intake bridge Ford-Scorpio **2.4, 2.8** and **2.9 L** injection engine, gearbox VW-Passat since April 1989, gearbox Ford type 02 A, **1.6, 1.8** and **2.0 L**.
T 55: for cylinder head bolts on various Ford engines

SPAENAUR No.	HAZET No.	mm	L ₁ mm	L ₂ mm	d mm	Replacement Bit	
						SPAENAUR No.	HAZET No.
991-718	992 S Lg-T 45	7.82	100	138	23	993-379	992 S Lg-T 045
991-719	992 S Lg-T 55	11.22	102	140	23	993-380	992 S Lg-T 055

N

6 Point Sockets

DIN 3124, ISO 2725
Chrome-Vanadium
3/4" □ drive,
With locking device

Chrome-Plated
Polished

3/4
inch



SPAENAUR No.	HAZET No.	mm	L mm	d ₁ mm	d ₂ mm	t mm
*991-752	1000-19	19	52.0	28.0	33.2	14.2
*991-753	1000-22	22	52.0	32.0	33.2	13.5
991-755	1000-24	24	52.0	34.0	36.0	16.0
991-758	1000-27	27	54.0	38.0	35.0	18.8
991-761	1000-30	30	55.0	42.0	36.0	21.0
991-762	1000-32	32	58.0	44.5	36.0	23.4
*991-763	1000-33	33	59.0	46.0	36.0	23.9
991-764	1000-34	34	60.0	47.5	36.0	24.8
991-766	1000-36	36	61.5	49.5	36.0	25.7
*991-767	1000-38	38	65.0	52.5	38.0	28.3
991-768	1000-41	41	68.5	55.5	39.0	31.2
*991-769	1000-42	42	70.0	57.5	41.0	31.2
991-770	1000-46	46	73.0	62.0	44.0	34.0
991-771	1000-50	50	65.0	67.0	42.0	33.5
*991-772	1000-55	55	70.0	73.5	42.0	36.0
*991-773	1000-60	60	70.0	80.0	42.0	36.0

* not according to DIN/ISO

Span of jaws ISO 691 Inch Sizes

▲	HAZET No.	Inch	mm	mm	mm	mm
▲991-812	1000 AZ-15/16	15/16	52.0	34.0	36.0	16.0
▲991-815	1000 AZ-1-1/8	1-1/8	54.0	40.0	36.0	19.8
▲991-822	1000 AZ-1-5/8	1-5/8	68.0	55.5	39.0	31.2
▲991-826	1000 AZ-1-7/8	1-7/8	65.0	64.0	42.0	33.5
▲991-827	1000 AZ-2	2	65.0	68.0	42.0	33.5

▲ 12 Point Socket

Above sizes are also available in 12 point sockets in Metric and Inch.

Hex Sockets

Chrome-Vanadium
For hex socket head screws.
3/4" □ drive (DIN 3120)
with locking device

3/4
inch



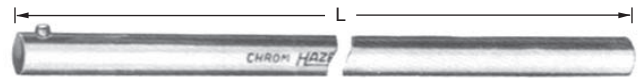
◆ Impact Hex Sockets - Plain Finish

SPAENAUR No.	HAZET No.	s mm	L ₁ mm	L ₂ mm	d mm
991-828	1010-14	14	16.7	54.5	36
991-829	1010-17	17	19.7	54.5	36
991-830	1010-19	19	21.7	56.5	36
991-831	1010-22	22	24.7	56.5	36
◆877-251	—	24	20	70	44
◆877-252	—	27	20	70	44

Handle Bar

Chrome-Vanadium
with locking device

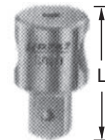
Chrome-Plated



SPAENAUR No.	HAZET No.	L		Ø mm
		mm	inch	
991-832	1014	500	19-1/2	20

Sliding Part

Chrome-Vanadium
3/4" ■ drive
To be fixed at Handle Bar
Chrome-Plated



991-833	1015-1	60	2-3/8	—
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Handle Bar with Sliding Part

Chrome-Vanadium
991-832 + 991-833 = Sliding T-Handle

Chrome-Plated



SPAENAUR No.	HAZET No.	L		Ø mm
		mm	inch	
991-834	1015/2	500	19-1/2	20

Universal Joint

DIN 3123, ISO 3316
Chrome-Vanadium
3/4" ■, 3/4" □ drive,
■ with ball fitting and locking device
□ with bolt for locking device

Chrome-Plated



SPAENAUR No.	HAZET No.	L		Ø mm
		mm	inch	
991-840	1021	105	4	40

Ratchet Head

Chrome-Vanadium
3/4" ■ (DIN 3120),
■ with ball fitting and locking device,
shank with bolt for locking device
32 teeth



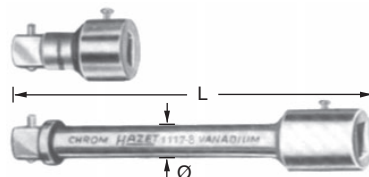
Chrome-Plated

SPAENAUR No.	HAZET No.	L		Ø mm
		mm	inch	
991-835	1016	165	6-1/2	—

Extensions

Chrome-Vanadium
3/4" ■, 3/4" □ drive,
■ with ball fitting and locking device
□ with bolt for locking device

Chrome-Plated
Polished



SPAENAUR No.	HAZET No.	L		Ø mm
		mm	inch	
*991-837	1017-3	75	3	25
991-838	1017-8	200	8	20

*not according to DIN
991-838 = DIN 3123, ISO 3316

Adapters

DIN 3123, ISO 3316
Chrome-Vanadium
3/4" □ drive
with ball fitting and locking device



Chrome-Plated

SPAENAUR No.	HAZET No.	L mm	inch	
			■	□
991-841	1058-1	60	1	3/4
991-842	1058-2	52.3	1/2	3/4

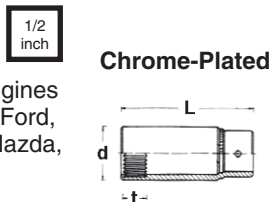
DIN 3123, ISO 3316



SPAENAUR No.	HAZET No.	L mm	inch	Ø mm
991-839	1018	400	16	22

12 Point Sockets

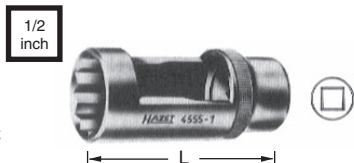
Chrome-Vanadium
For injection nozzles on diesel engines
VW-Audi, Mercedes-Benz, Opel, Ford,
Peugeot-Talbot, Volvo, Toyota, Mazda,
Nissan, Mitsubishi, Daihatsu,
MB-No. 001 589 65 09 00
For turning the engine over at
the crankshaft hex head screws.
With special relief-turned
section of accommodate
the small leakage return tubes.



Chrome-Plated

SPAENAUR No.	HAZET No.	s mm	L mm	d mm	t mm
992-908	4555	27	82	36.2	15

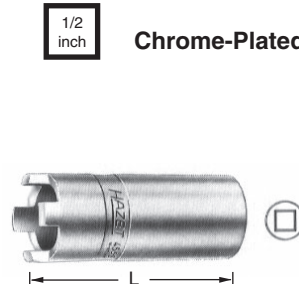
For injection nozzles on
BMW-Diesel 524 td,
Ford-Diesel Lincoln
Continental (USA),
Lincoln Mark VII, VII LSC



SPAENAUR No.	HAZET No.	s mm	L mm	d mm	t mm
992-909	4555-1	20	82	36.2	15

Crown Wrench

Chrome-Vanadium
For tightening and slackening
the nozzle holder nuts
in Mercedes-Benz trucks
M 401/421, M 402/422, LA,A,
M 403/423, M 470 h,
MB-No. 403 589 04 07 00



SPAENAUR No.	HAZET No.	L mm
992-912	4558	72

Handle Bar

Chrome-Vanadium
with locking device

1
inch

Chrome-Plated

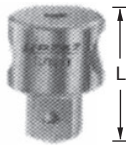


SPAENAUR No.	HAZET No.	L		Ø mm
		mm	inch	
991-871	1114	700	27-1/2	26

Sliding Part

To be fixed at Handle Bar
(= Sliding T-Handle)

Chrome-Plated



991-872	1115-1	80	3-1/8	48
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Reversible Ratchet Head

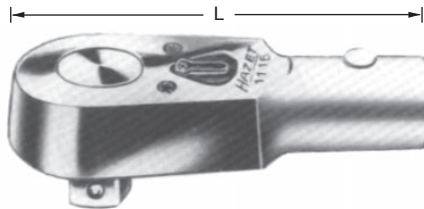
Chrome-Vanadium

Chrome-Plated

1" ■,

■ with locking device,
shank with bolt for locking device,
32 teeth

1
inch



SPAENAUR No.	HAZET No.	L		Ø mm
		mm	inch	
991-874	1116	195	7-1/2	—

1" Sockets

Chrome-Plated
Polished

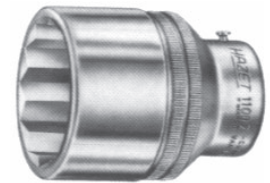
12 Point Sockets

DIN 3124, ISO 2725

Chrome-Vanadium

1" □ drive,

with bolt for locking device



SPAENAUR No.	HAZET No.	mm	L mm	d ₁ mm	d ₂ mm	t mm
*991-860	1100 Z-32	32	65	48.0	46	23.4
*991-861	1100 Z-36	36	64	54.0	51	32.5
*991-862	1100 Z-41	41	69	60.0	51	35.5
991-863	1100 Z-46	46	73	66.0	54	34.5
991-864	1100 Z-50	50	77	71.0	54	38.0
991-865	1100 Z-55	55	82	77.5	57	41.0
991-866	1100 Z-60	60	87	83.5	57	43.5
991-867	1100 Z-65	65	91	90.0	57	45.0
991-868	1100 Z-70	70	95	96.0	60	49.0
991-869	1100 Z-75	75	100	102.5	60	52.5
991-870	1100 Z-80	80	109	108.5	60	59.5

* not according to DIN

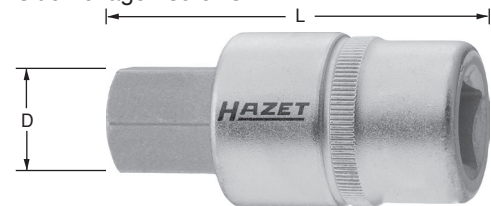
Screwdriver Socket

Titanium-Nitride

12.5mm ■ drive

For inside hexagon screws

Steel
DIN 7422



SPAENAUR No.	HAZET No.	L mm	D mm
994-045	986-22	60	22



For HAZET Wrenches see Page N3



Impact Adapter

To hold impact sockets for use on electric and pneumatic drills, with 1/4" □ drive

1/4 inch

6,3
DIN 3121
(1/4")

E 6,3
DIN 3126,
Form E
(1/4")



SPAENAUR No.	HAZET No.	■		L mm
		mm	inch	
991-900	8508 S-3	6.3	1/4	50

Adapter

To hold impact sockets for application on electric and pneumatic drills, with 3/8" □ drive,

10
DIN 3121
(3/8")

5/16"



SPAENAUR No.	HAZET No.	■		L mm
		mm	inch	
991-930	8808 S-1	10	3/8	75

Impact Extensions

3/8" ■, 3/8" □ drive (DIN 3121)

3/8 inch



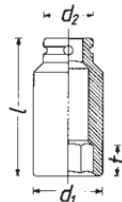
SPAENAUR No.	HAZET No.	L		■ inch
		mm	inch	
991-926	8805 S-6	152	6	3/8

1/2" Drive 6 Point Impact Sockets

Long Pattern

1/2" □ drive
□ DIN 3121,
6 point DIN 475

1/2 inch



SPAENAUR No.	HAZET No.	□ mm	L mm	d ₁ mm	d ₂ mm	t mm
991-953	900 S Lg-13	13	85	20.8	25	8.5
991-954	900 S Lg-16	16	85	24.8	30	13.5
991-955	900 S Lg-17	17	85	26.2	30	13.5
991-956	900 S Lg-18	18	85	28.5	30	17.5
991-957	900 S Lg-19	19	85	28.8	30	17.5
▲ 991-958	900 S Lg-21	21	85	31.3	30	15.5
991-959	900 S Lg-22	22	85	32.5	30	17.5
991-960	900 S Lg-24	24	85	35.0	30	17.5
991-961	900 S Lg-27	27	85	38.8	30	19.5

▲ For wheel nuts/screws

Impact Adapters

3/4" □ drive

3/4 inch



992-022



992-023

SPAENAUR No.	HAZET No.	■ inch	□ inch	L mm
992-022	1007 S-1	1/2	3/4	56
992-023	1007 S-2	1	3/4	65



Diagonal Cutters

Special Steel
For hard wire,
Swedish pattern,
Performance Class H,
Handles with black non-slip
plastic jackets

Chrome-Plated
Bright Heads

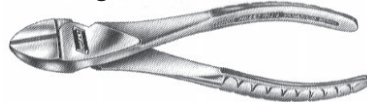


SPAENAUR No.	HAZET No.	mm	L		Ø mm
			mm	inch	
992-101	1803-11	140	5-1/2	1.6	
992-102	1803-22	150	6	2.0	
992-103	1803-33	165	6-1/2	2.0	

Diagonal Cutters

Chrome-Vanadium
For hard wire,
Performance Class H

Chrome-Plated
Bright Heads



SPAENAUR No.	HAZET No.	mm	L		Ø mm
			mm	inch	
992-H07-1T	1802M-33	200	7-3/4	2.0	

Ø mm = cutting efficiency

Handles with black non-slip
plastic jackets



992-098	1802-11	160	6-1/4	1.6
992-099	1802-22	175	7	1.6
992-100	1802-33	200	8	2.0

Long Flat Nose Pliers

similar DIN 5248, Form A
Special Steel
Handles with black
non-slipplastic jackets

Chrome-Plated
Bright Heads



SPAENAUR No.	HAZET No.	mm	L	
			mm	inch
992-115	1816-22	162	6-1/4	

Long Nose Side Cutting Pliers

Chrome-Vanadium
Handles with black non-slip
plastic jackets
Straight jaws

Chrome-Plated
Bright Heads



SPAENAUR No.	HAZET No.	mm	L	
			mm	inch
992-126	1841 a-22	163	6-1/2	
992-127	1841 a-33	205	8	

Curved jaws (45°)



992-H06-1N	1841MB-33	195	7-3/4
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Bent jaws (90°)
Slim Pattern



992-129	1841 c-33	188	7-1/2
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Long Nose Side Cutting Pliers

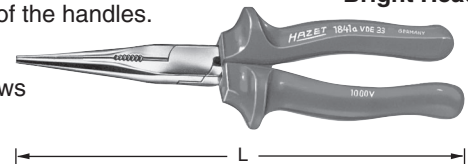
Chrome-Vanadium Protected to IEC 900, DIN EN 60900
VDE 0680/part 2

Ergonomic plastic handle covers, red,
handles are directly injected onto the
pliers' shanks, increasing the durability
and cohesiveness. No twisting or
pulling-off of the handles.



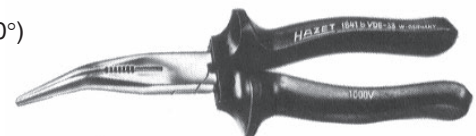
Chrome-Plated
Bright Heads

Straight jaws



SPAENAUR No.	HAZET No.	mm	L	
			mm	inch
992-130	1841 a VDE-22	160	6-1/4	
992-131	1841 a VDE-33	200	8	

Curved jaws (30°)



992-132	1841 b VDE-33	222	8-3/4
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Lockring Pliers

DIN 5256
 Chrome-Vanadium
 For holes (inside lockrings)
 Straight jaws, Form C

Chrome-Plated
 Bright Heads
 Tips Steel Grey



SPAENAUR No.	HAZET No.	L		Ø mm	DIN 472/984 mm
		mm	inch		
992-171	1846 a-0	139	5-1/2	0.9	8-25
*992-172	1846 a-1	140	5-1/2	1.3	10-25
992-173	1846 a-2	180	7-1/4	1.8	19-60
992-174	1846 a-3	225	8-3/4	2.3	40-100
*992-175	1846 a-4	310	12-1/2	3.2	85-165

Bent off 90°, Form D



992-176	1846 b-0	139	5-1/4	0.9	8-25
*992-177	1846 b-1	140	5-1/4	1.3	10-25
992-178	1846 b-2	180	7	1.8	19-60
992-179	1846 b-3	225	8-3/4	2.3	40-100
992-180	1846 b-4	310	12	3.2	85-165

*not according to DIN

Lockring Pliers

Chrome-Vanadium
 For shafts (outside lockrings),
 tips bent off 90°,
 e.g. on gearboxes

Chrome-Plated



SPAENAUR No.	HAZET No.	L		Ø mm
		mm	inch	
992-191	1847-2	200	8	—

Lockring Pliers

Chrome-Vanadium
 For lockrings on synchro-joints
 -outside- e.g. VW-Passat, Scirocco,
 Golf, Polo and Audi 80.
 Straight Tips

Chrome-Plated

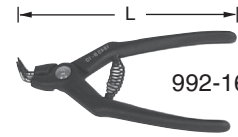


SPAENAUR No.	HAZET No.	L		Ø mm
		mm	inch	
992-192	1847-3	195	7-3/4	—

Lockring Pliers

Spring Steel
 For shafts (outside lockrings),
 with pull-back spring,
 with plastic handles.

Bent jaws 90°



992-165

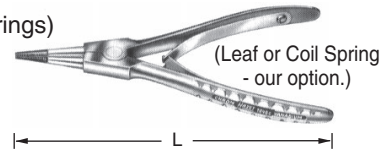
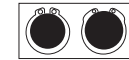
Black

SPAENAUR No.	HAZET No.	L		Ø mm	DIN 471/983 mm
		mm	inch		
992-165	1845 B-10	130	5-1/8	1.3	10-25

Lockring Pliers

DIN 5254
 Chrome-Vanadium
 For shafts (outside lockrings)
 Straight jaws, Form A

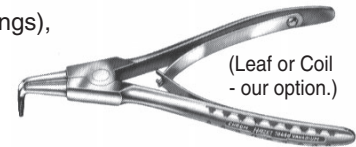
Chrome-Plated
 Bright Heads
 Tips Steel Grey



(Leaf or Coil Spring - our option.)

SPAENAUR No.	HAZET No.	L		Ø mm	DIN 471 mm
		mm	inch		
992-181	1846 c-0	139	5-1/2	0.9	3-10
992-182	1846 c-1	140	5-1/2	1.3	10-25
992-183	1846 c-2	180	7	1.8	19-60
992-184	1846 c-3	225	8-3/4	2.3	40-100
992-185	1846 c-4	310	12-1/4	3.2	85-165

For shafts (outside lockrings),
 bent off 90°, Form B



(Leaf or Coil - our option.)

992-186	1846 d-0	139	5	0.9	3-10
992-187	1846 d-1	140	5	1.3	10-25
992-188	1846 d-2	180	6-3/4	1.8	19-60
992-189	1846 d-3	225	8-1/4	2.3	40-100
992-190	1846 d-4	310	11-1/2	3.2	85-165

Handles with black non-slip
 plastic jackets



SPAENAUR No.	HAZET No.	L	
		mm	inch
992-204	1850-22	170	6-3/4
992-205	1850-33	190	7-1/2
992-206	1850-44	210	8-1/4

Automatic Wire Stripper

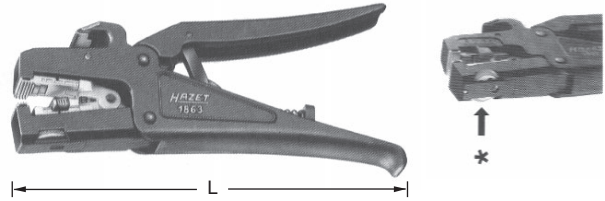
For solid and flexible PVC-insulated cables with wires **0.25-6 mm²** dia.

Adjusts automatically to each wire section and strips perfectly without any damage.

Black plastic housing

Permits adjustment of length to be stripped and adaptation to thickness of insulation material.

With integral (self-sharpening) wire cutter for cutting wires of max. **6 mm²**, and **2.5 mm²** dia. into lengths. In black plastic box.



SPAENAUR No.	HAZET No.	L	
		mm	inch
992-219	1863	205	8

ELECTRONIC Pliers

Height tensile special steel
Short pattern
For thin and extremely thin wire, with threaded joint.
Red plastic jackets and flat spiral spring.
Non dazzling, **Black** surface.

Diagonal Cutters

Inductive heated tips, for copper wire **0.2-2.0 mm** dia., flush cut.



SPAENAUR No.	HAZET No.	L	
		mm	inch
992-220	1870	112	4-1/2

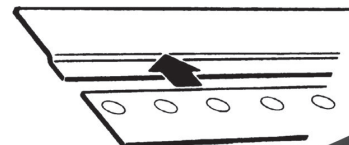
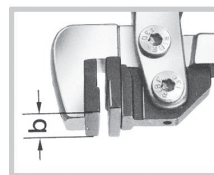
Sheet Metal Crimping Tool

Chrome-Vanadium

Settling depth **12 mm**

First use tool to offset edge on one sheet, then place second sheet upon offset strip and spot-weld or braze. Quick effortless offsetting action. Flood gaps with solder to save surface treatment.

To offset edges on sheet metal up to a thickness of **1 mm**, using the **992-254** model for short offset strips on **0.8-1 mm** sheets and the **992-255** tool for longer offset strips on sheets thinner than **0.8 mm**.



Chrome-Plated

Note: For punching sheet metal please use special punches 992-317, -318 or -319.

SPAENAUR No.	HAZET No.	b mm	L mm
992-254	1932-1	15	300
992-255	1932-2	30	300

Plastic Hammers

(protected by design patent)
With ergonomically shaped handle made of ash wood.

Supplied with easy-to-remove tips made of specially tough material (Desmopan®).

Zinc die-cast middle piece with guide- and protection bush for handle.

Black Tips



SPAENAUR No.	HAZET No.	d mm	L ₁ mm	L ₂ mm
992-285	1952-28	28	85	269
992-286	1952-35	35	95	290
992-287	1952-40	40	105	317
992-288	1952-50	50	115	342

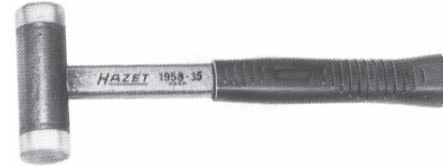
Lead Shot Hammers

Non-bouncing, with steel-tube handle and petrol and oil resistant plastic grip. With renewable tips.

Made of special plastic, safe in operation as tips will not splinter or crumble.

Prevent damage to material being hammered, highly resistant to abrasion, long life.

Black



SPAENAUR No.	HAZET No.	d mm	L ₁ mm	L ₂ mm
992-296	1953-30	30	113	295
992-297	1953-35	35	115	300
992-298	1953-40	40	123	305
992-300	1953-50	50	133	370
992-301	1953-60	60	163	380

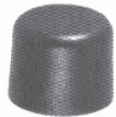
Replacement Tips, per pair

Made of specially tough material (Desmopan®)

Black

Remove used tips by turning them hard to the left.

Replacement tips are to be driven home merely by a blow or with pressure.



SPAENAUR No.	HAZET No.	d mm
992-291	1952-028	28
992-292	1952-035	35
992-293	1952-040	40
992-294	1952-050	50

Replacement Tips, per pair

Made of special plastic material.

Does not splinter or crumble.

To mount, drive tip home cold with a few hammer blows.

Blue



SPAENAUR No.	HAZET No.	d mm
992-302	1953-030	30
992-303	1953-035	35
992-304	1953-040	40
992-306	1953-050	50
992-307	1953-060	60

N



SPAENAUR
Fasteners Right Now®

Machinists' Hammers

DIN 1041

Chrome-Vanadium

Quality Grade A,
with HICKORY handle



SPAENAUR No.	HAZET No.	Wt. g	L mm
992-483	2140-2	200 g	280
992-484	2140-3	300 g	300
992-485	2140-4	400 g	310
992-486	2140-5	500 g	320
992-487	2140-8	800 g	350
992-488	2140-10	1000 g	360

Ball Peen Hammers

Chrome-Vanadium
with HICKORY handle



SPAENAUR No.	HAZET No.	Wt. kg.	L mm
992-491	2141-2	0.56	325
992-493	2141-4	1.08	380

Rubber Mallet

DIN 5128
Ø 52 x 88 mm



SPAENAUR No.	HAZET No.	Wt. kg.	L mm
992-494	2143	0.32	320

Milled Tooth File with Holder

Special Steel

For flat blades
SPAENAUR No. 992-262 to 992-266.

Adjustable, with turnbuckle and
one file blade SPAENAUR No. 992-265.

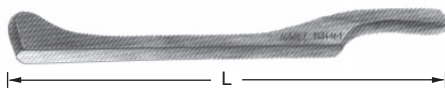
Aluminum colour



SPAENAUR No.	HAZET No.	L mm
992-259	1934	355

Car Body File Blade

Wood,
For flat blades
SPAENAUR No. 992-262 to
992-266 without file.



SPAENAUR No.	HAZET No.	L mm
992-260	1934 N-1	525

Hack Saw

For 300 mm saw blades.
Special Steel
With black plastic handle
and front bow,
with 1 saw blade.



SPAENAUR No.	HAZET No.	L mm
992-342	1980 N	390

Saw Blade only

High Speed Steel, 24 teeth per inch

992-343	1980 B-2	300
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Small Hack Saw

For 150 mm saw blades.
Special Steel (ST 2 K 40),
With black fiber-glass reinforced
plastic handle, with 1 saw blade.



SPAENAUR No.	HAZET No.	L mm
992-344	1981	252

Saw Blade only

Chrome-alloyed tool steel

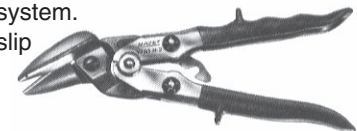
992-345	1981-01	150
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More Hacksaws and Blades shown on page P104.

Universal Sheet Metal Snips

Special Steel
With lever transmission system.
Handles with black non-slip
plastic jackets.



Right hand cutting

992-313	1961 R-2	260
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Left hand cutting

992-314	1961 L-2	260
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Sheet Metal Hand Nibbler

With renewable chromium steel knives
for cutting sheet metal up to 1.2 mm,
plastic tubes up to a wall thickness
of 2 mm, and even corrugated
transparent plastic.
Handles with black non-slip
plastic jackets.



Galvanized

SPAENAUR No.	HAZET No.	L mm
992-315	1962 N	275

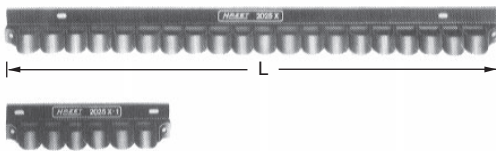
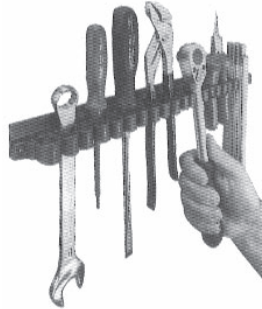
Tool Holder

Flexible plastic clamps
EP

Base of anodized light metal with 2 oblong holes which facilitate fastening to perforated sheet steel panels etc.

Straps of oil and cold resistant plastic material, however, tough, flexible, and long-lived.

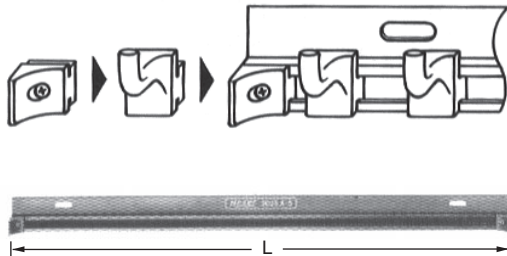
Two flexible plastic straps embrace each item without damaging it. Easy and quick fixing of any object, withdrawal by simply pulling it off.



SPAENAUR No.	HAZET No.	L mm
992-381	2025 X	440
992-382	2025 X-1	150

Tool Hangers and Guide Rails

Tool hangers 992-386 with rubber tube that prevents objects from sliding, to be inserted into guide rails 992-387 and 992-388.



Tool hangers	992-386	2025 X-06	25
Guide rails	992-387	2025 X-5	440
	992-388	2025 X-6	150

Hex Head Wrenches

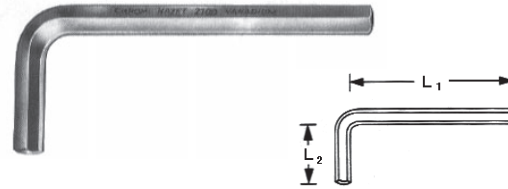


DIN 911, ISO 2936

Chrome-Vanadium

For hex socket head screws

Bright Nickel-Plated



SPAENAUR No.	HAZET No.	s mm	L ₁ mm	L ₂ mm
992-389	2100-015	1.5	45	14
992-390	2100-02	2	50	16
992-391	2100-025	2.5	56	18
992-392	2100-03	3	63	20
*992-393	2100-035	3.5	65	22
992-394	2100-04	4	70	25
*992-395	2100-045	4.5	73	26
992-396	2100-05	5	80	28
992-397	2100-06	6	90	32
992-398	2100-07	7	95	34
992-399	2100-08	8	100	36
*992-400	2100-09	9	110	38
992-401	2100-10	10	112	40
*992-402	2100-11	11	119	42
992-403	2100-12	12	125	45
*992-404	2100-13	13	133	50
992-405	2100-14	14	140	56
992-406	2100-17	17	160	63
992-407	2100-19	19	180	70
992-408	2100-22	22	200	80
992-409	2100-24	24	224	90
992-410	2100-27	27	250	100

*not according to DIN/ISO

Inch Sizes

992-411	2100 A-5/64	5/64	50	16
992-412	2100 A-3/32	3/32	56	18
992-413	2100 A-1/8	1/8	63	20
992-414	2100 A-5/32	5/32	70	25
992-415	2100 A-3/16	3/16	80	28
992-416	2100 A-7/32	7/32	85	30
992-417	2100 A-1/4	1/4	90	32
992-419	2100 A-5/16	5/16	100	36
992-420	2100 A-3/8	3/8	112	40
992-422	2100 A-1/2	1/2	132	50
992-423	2100 A-9/16	9/16	140	55
992-424	2100 A-5/8	5/8	160	60
992-425	2100 A-3/4	3/4	180	70

Feeler Gauges

Stainless Steel
20 blades,
pitch **0.05 mm**
mm-sizes = Feeler gauges,
Set D, DIN 2275
Aluminum Colour



Tool Steel
Plain

SPAENAUR No.	HAZET No.	Sizes	L mm
877-145	—	Sizes 0.05-1.0 mm	—

Stethoscope

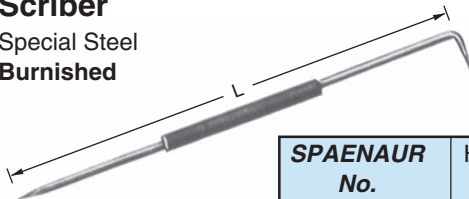
For diagnosing defective mechanical parts such as valves, bearings, piston pins, spur pinions etc.
With steel probe **180 mm** and efficient diaphragm.



SPAENAUR No.	HAZET No.	L mm
992-515	2151	1080

Scriber

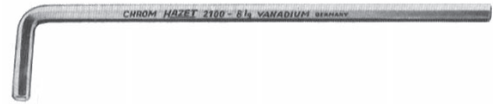
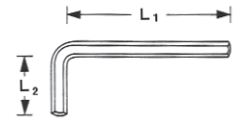
Special Steel
Burnished



SPAENAUR No.	HAZET No.	L mm
992-513	2150	240

Hex Head Wrenches

DIN 911, ISO 2936
Chrome-Vanadium
Long Pattern
For hex socket head screws
Bright Nickel-Plated



SPAENAUR No.	HAZET No.	s mm	L ₁ mm	L ₂ mm
992-434	2100 Lg-02	2	100	16
992-435	2100 Lg-025	2.5	112	18
992-436	2100 Lg-03	3	126	20
992-437	2100 Lg-04	4	140	25
992-438	2100 Lg-05	5	160	28
992-439	2100 Lg-06	6	180	32
992-440	2100 Lg-08	8	200	36
992-441	2100 Lg-10	10	224	40
992-442	2100 Lg-12	12	250	45
992-443	2100 Lg-14	14	280	56

Thread Restorers

Special Steel
For restoring damaged or worn-out threads for male and female threads
a = Pitch
b = Screw Dia.

Galvanized
Yellow Chromized



SPAENAUR No.	HAZET No.	a mm	b mm	L mm
992-477	2126	0.8	5	230

For more Inspection Tools See Ullman Inspection Tools beginning on Page P140



Screwdriver Bits

DIN 2351-3 6.3, ISO 1173, ISO 3109

For hollow hex head screws
1/4" hexagon drive



SPAENAUR No.	HAZET No.	s mm	DIN 912 M	L mm
993-805	2204-1.5	—	—	—
993-806	2204-2	—	—	—
993-807	2204-2.5	—	—	—
992-583	2204-3	3	4	25
992-584	2204-4	4	5	25
992-585	2204-5	5	6	25
992-586	2204-6	6	8	25
*992-587	2204-8	8	10	25

*not according to DIN

ISO 2351-3 8, ISO 1173, ISO 3109
5/16" hexagon drive

SPAENAUR No.	HAZET No.	s mm	DIN 912 M	L mm
992-588	2206-5	5	6	30
992-589	2206-6	6	8	30
992-590	2206-8	8	10	30
*992-591	2206-10	10	12	30

ISO 2351-1 T1-C 6.3
For slotted screws
1/4" hexagon drive



SPAENAUR No.	HAZET No.	mm	mm	L mm
992-592	2208-4	0.5	4.0	25
992-593	2208-6	0.6	4.5	25
992-594	2208-8	0.8	5.5	25
*992-595	2208-9	1.0	6.0	25
992-596	2208-10	1.2	6.5	25
992-597	2208-11	1.2	8.0	25

* not according to DIN

Screwdriver Bits

ISO 2351-1 T1-C8, ISO 1173

For slotted screws
5/16" hexagon drive



SPAENAUR No.	HAZET No.	s mm	DIN 912 M	L mm
992-599	2210-8	0.8	5.5	41
992-600	2210-9	1.0	5.5	41
992-601	2210-10	1.2	6.5	41
992-603	2210-12	1.6	8.0	41
992-604	2210-13	1.6	10.0	41
992-605	2210-14	2.0	12.0	41

Screwdriver Bits

ISO 2351-2 6.3, ISO 1173

For Phillips-Recess screws
Tips PHILLIPS-RECESS, DIN 5260
Tough and hard for screws
with self-cutting thread
1/4" hexagon drive



SPAENAUR No.	HAZET No.	←	Screw Sizes	L mm
992-606	2215-PH 1	1	2-4	25
992-607	2215-PH 2	2	5-10	25
◆992-608	2215-PH 3	3	12-16	32
◆992-609	2215-PH 4	4	18->	32

Very Hard ◆ Reinforced Design
e.g. For sheet metal screws

Long pattern, tough and hard
For screws with self-cutting thread



SPAENAUR No.	HAZET No.	←	Screw Sizes	L mm
992-612	2215 Lg-PH 2	2	5-10	50

Screwdriver Bits

ISO 1173, Form C 6.3

For Pozidriv® screws
1/4" hexagon drive

Pozidriv® is the Registered Trade Mark of European Industrial Services Ltd.



SPAENAUR No.	HAZET No.	←	L mm
992-613	2216-PZ 1	1	25
992-614	2216-PZ 2	2	25
992-615	2216-PZ 3	3	25

ISO 2351-2 8, ISO 1173

For Phillips-Recess screws
Tips PHILLIPS-RECESS, DIN 5260
Tough and hard for screws
with self-cutting thread
5/16" hexagon drive



SPAENAUR No.	HAZET No.	←	Screw Sizes	L mm
992-618	2217-PH 1	1	2-4	32
992-619	2217-PH 2	2	5-10	32
992-620	2217-PH 3	3	12-16	32
◆992-621	2217-PH 4	4	18->	38

◆ Reinforced Design

N

Screwdriver Bits

ISO 1173, Form C 8

For Pozidriv® screws

5/16" hexagon drive

Pozidriv® is the Registered Trade Mark of European Industrial Services Ltd.



SPAENAUR No.	HAZET No.		L mm
992-623	2218-PZ 1	1	32
992-624	2218-PZ 2	2	32
992-625	2218-PZ 3	3	32
992-626	2218-PZ 4	4	38

■ reinforced design

Screwdriver Bits

ISO 1173, Form C 6.3

For inside TORX® screws

1/4" hexagon drive

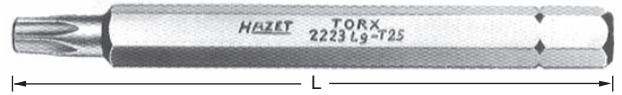


SPAENAUR No.	HAZET No.		L mm
992-639	2223-T 6	1.67	26
992-640	2223-T 7	1.99	26
992-641	2223-T 8	2.31	26
992-642	2223-T 9	2.50	26
992-643	2223-T 10	2.74	26
992-644	2223-T 15	3.27	26
992-645	2223-T 20	3.86	26
992-646	2223-T 25	4.43	26
992-647	2223-T 27	4.99	26
992-648	2223-T 30	5.52	26
992-649	2223-T 40	6.65	26

Screwdriver Bits

Long Pattern

e.g. for screws of the seat panel and to adjust the steel roof Series No. 3 and 5 BMW for Audi 80 and 90 since 1988.



SPAENAUR No.	HAZET No.		L mm
992-650	2223 Lg-T 25	4.43	65

Screwdriver Bits

ISO 1173, Form C 6.3

For inside TORX® screws with centre pin, with bore hole of the face.

1/4" hexagon drive

For sensor screw

Airbag BMW

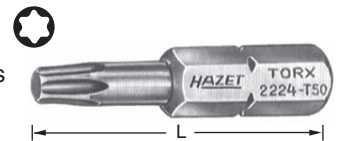


SPAENAUR No.	HAZET No.		L mm
992-653	2223-T 30 H	5.52	26

ISO 1173, Form C8

For inside TORX® screws

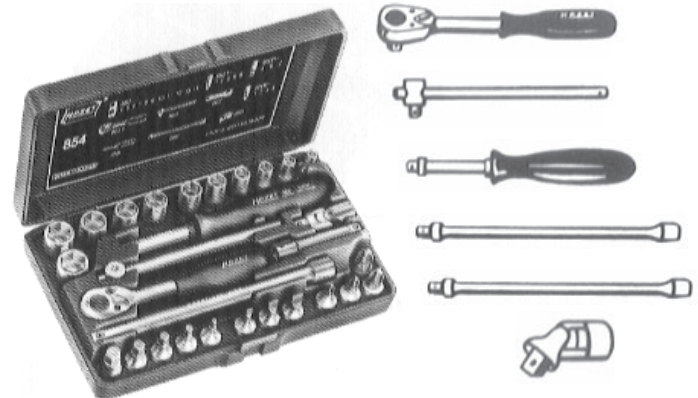
5/16" hexagon drive



992-654	2224-T 25	4.43	35
992-655	2224-T 27	4.99	35
992-656	2224-T 30	5.52	35
992-657	2224-T 40	6.65	35
992-658	2224-T 45	7.82	35
992-659	2224-T 50	8.83	35
992-660	2224-T 55	11.22	35

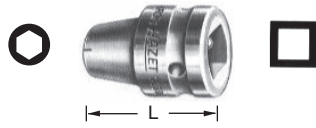


See Page N19 for more HAZET Screwdriver Bits



Adapters

Chrome-Vanadium
DIN 7427, ISO 1173,
with 6 point opening
For electric and pneumatic drills

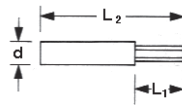


Burnished

SPAENAUR No.	HAZET No.	inch	inch	L mm
992-661	2230 S-1	1/4	1/4	25
992-663	2230 S-3	5/16	3/8	30

Adapters

Chrome-Vanadium
With die-cast sleeve and
permanent magnet for holding bits
and screws securely.
For all electric drills and bits
with 1/4" drive



Silver Grey



SPAENAUR No.	HAZET No.	d mm	L1 mm	L2 mm
992-666	2239-1	10	25	61

Adapters

Chrome-Vanadium
For manual operation,
with ball fitting.

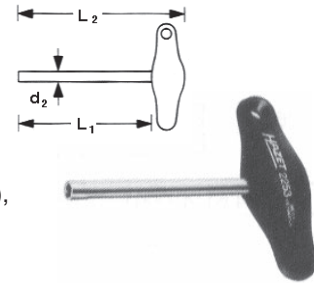


Chrome-Plated

SPAENAUR No.	HAZET No.	inch	inch	L mm
992-673	2250-1	1/4	1/4	23,5
992-674	2250-2	1/4	3/8	30
992-675	2250-3	5/16	3/8	31
992-676	2250-4	1/4	1/2	35
992-677	2250-5	5/16	1/2	36

Bit Holder for Screwdriver Bits

Aluminum
-Al Cu Mg Pb F 37-
For bits with 1/4" drive,
with permanent magnet,
for hand-operation,
with transverse handle,
(protected by design patent),
Black Plastic Material



SPAENAUR No.	HAZET No.	inch	L1 mm	L2 mm	d1 mm	d2 mm
992-678	2253	1/4	100	135	—	10

ISO 1173
for Bits with 1/4" or 5/16" drive
With trinamic®-handle
(protected by design patent)
Black Plastic Material



992-679	2255	1/4	80	190	10	10
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Bit Holder

With Bits 1/4" and adapter for drills.
Bits are stored in the
plastic handle

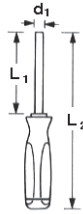


Spaenaur No. (HAZET No.)	Bit	Bit	Adapter
992-681 (2260/6)	992-593	992-606	992-666
	992-594	992-607	
992-682 (2260/10)	992-592	992-606	992-666
	992-593	992-607	
	992-594	Bit	
	992-595	992-613	
		992-614	

N

Screwdriver Bit-Holder

For manual operation, short pattern
With trinamic®-magazine handle, black
(protected by design patent).
With swivel cap and retainer magnet.
1/4" ● drive, without bits.
No loosening of cap during operation.

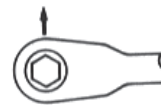


SPAENAUR No.	HAZET No.	L ₁ mm	L ₂ mm	d ₁ mm
992-683	2261	17	90	10

Reversible Ratchet

Chrome-Plated
Polished

Chrome-Vanadium
With trinamic®-handle
(protected by design patent)
Plastic, black
For taking Screwdriver Bits
with 1/4" ● drive.



SPAENAUR No.	HAZET No.	L mm
992-689	2264	115

For taking Screwdriver Bits
with 5/16" ● drive.

993-850	2264-1	200
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3/8" Drive Glow Plug Wrench Special for VW Audi



SPAENAUR No.	HAZET No.	inch	inch	L mm
992-723	2530	3/8	10	140

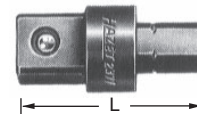
Adapters

Chrome-Vanadium
For sockets
□ drive according DIN 3120

Burnished

For Bit-Holder 992-678, 992-679, 992-683
to -685 and Reversible Ratchet 992-689.

1/4" ● drive
According DIN 3126, Form C

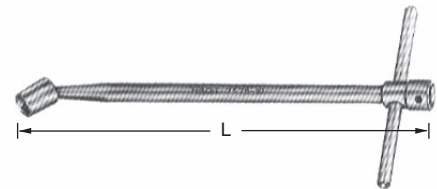


SPAENAUR No.	HAZET No.	inch	inch	L mm
992-696	2304	1/4	1/4	25

Socket Wrench

3/8
inch

Chrome-Vanadium
With universal joint, T-handle and 3/8" inside square drive.
Especially for installing/tightening the oil pan on VW with
transverse positioned engine, e.g. Golf/Rabbit, Jetta, Scirocco



SPAENAUR No.	HAZET No.	mm	L mm
992-721	2528-10	10	250

Chrome-Plated

Torque Wrenches

DBP

DIN/ISO 6789

With reversible ratchet

drive as per DIN 3120

Release accuracy tolerance:

± 2% of values selected

at right hand threads,
with locking knob for extra retention
of torque setting



SPAENAUR No.	HAZET No.	■	Nm Torque range	L mm
◆ 992-938	6110-1 CT	3/8"	10-60	335
◆ 992-939	6111-1 CT	3/8"	20-120	389
◆ 992-940	6121-1 CT	1/2"	20-120	435
◆ 992-941	6122-1 CT	1/2"	40-200	545
◆ 992-942	6123-1 CT	1/2"	60-320	663
● 992-943	6143-1 CT	3/4"	100-400	803
● 992-945	6145-1 CT	3/4"	300-800	1280

◆ = in Safe Box

● = without signal transmitter

Torque Wrenches

DBP

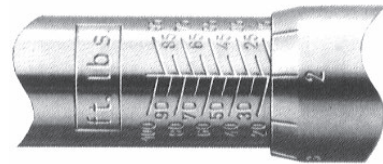
To US Standards

With scale graduation in **foot/pounds**

Release accuracy tolerance:

± 3% of values selected

at right hand threads,
with locking knob for extra retention
of torque setting



SPAENAUR No.	HAZET No.	■	B		T		L mm
			ft./lbs.	Nm	ft./lbs.	Nm	
◆ 992-953	6115-1 CT	3/8"	20-100	27.1-135.6	1/2	0.7	390
◆ 992-954	6127-1 CT	1/2"	40-200	54.3-270	1	1.4	545

B = Torque Range

T = Graduation

◆ = in Safe-Box

Tool Kit, empty

Made from sheet steel
5 trays, with padlock

Length **575 mm**

Width **210 mm**

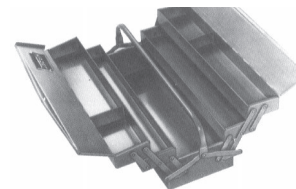
Height **245 mm**

SPAENAUR No. 990-089

(HAZET No. 190 L)

Blue

Store enamelled



Torque Screwdriver SYSTEM 6000 CT

With automatic close-gap release, palpable and audible when torque setting is reached.

Release accuracy tolerance:

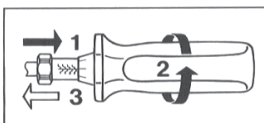
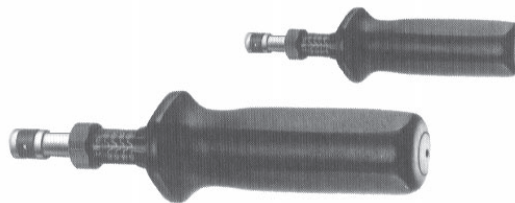
± 5% of values selected

Tightening at torque setting is possible both to the right and left, with micrometer adjustment by simply turning the red ring (1) and the handle at the same time (2), scale value will be locked automatically after releasing the red ring (3).

With 1/4" inside hexagon drive for screwdriver bits

With 1/4" outside hexagon drive

Torque Range		Increase/Turn		Graduation	
cNm	Nm	cNm	Nm	cNm	Nm
10-120	—	10	—	1	—
—	1-6	—	1	—	0.1

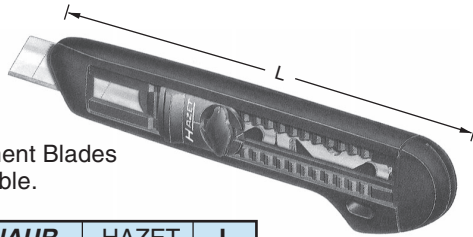


SPAENAUR No.	HAZET No.	⬡	cNm	Nm	L mm
992-931	6002 CT	1/4"	10-120	—	170
992-932	6003 CT	1/4"	—	1-6	230

N

Trimming Knife

(protected by design patent)
With Fiberglass-reinforced housing
and 3 variable blades
(snap-off, straight and hook)
stored in the handle.

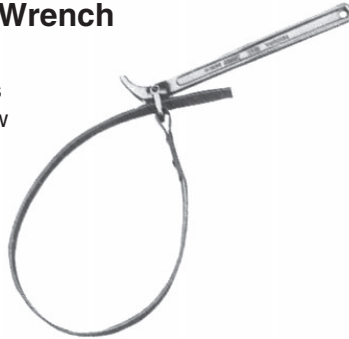


Replacement Blades
are available.

SPAENAUR No.	HAZET No.	L mm
992-524	2157	167

Universal Strap Wrench

Chrome-Vanadium
Particularly for oil filters
and other circular screw
joints.
Non-slip strap, plastic
coated
Chrome-Plated



SPAENAUR No.	HAZET No.	L mm	Ø mm (min. - max.)
992-538	2170	230	80-180

Pry Bars

Special Steel
For lifting cylinder heads, taking off gears,
bushings, bearings, etc.

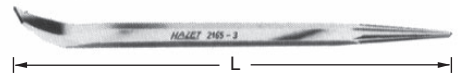
Bright Nickel-Plated



SPAENAUR No.	HAZET No.	L mm
992-532	2165-1	400



992-533	2165-2	400
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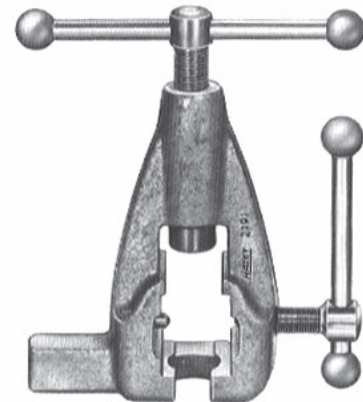


992-534	2165-3	400
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Tube Flaring Unit and Accessories

Special Cast Steel
VARNISHED
Flaring Yoke
For Tubes outside-Ø

SPAENAUR No.	HAZET No.	Ø (min. - max.)
992-560	2191	4.75-10 mm / 3/16-3/8" A



Gripping Jaws

For E and F flares

SPAENAUR No.	HAZET No.	Sizes
992-561	2191-1	4.75, 5, 6, 8, 9, 10 mm



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