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ISO 9001 : 2000 CERTIFIED

Non Sparking Safety Tools



TRISTAR INTERNATIONAL

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Non Sparking Safety Tools

We are one of leading manufacturers of **non-sparking tools** and will present you with this catalogue an extensive range of products, which can be tailored to your special needs.

TRISTAR Non-sparking Safety Tools are used extensively throughout the World in the following industries:

- Oil and gas, off-shore and on-shore
- Flammable material manufacturing
- Public Utilities - Gas, Electric
- Aircraft and Missile Factories
- Petro-chemical
- Explosives manufacturing
- Chemical manufacturing
- Distilleries
- Grain handling
- Paint Manufacturing
- Pipeline Construction
- Armed Forces
- Pharmaceuticals
- Shipyards
- Tankers
- Airports
- Non-magnetic applications

..... and many other where sparks are a potential fire or explosion hazard.

TRISTAR Non-sparking safety tools can provide a vital extra margin of safety under these conditions. This margin could be crucial in protecting personnel and installations from disaster.

Features:

- greater safety for personnel and installations
- strong and long lasting
- comprehensive standard range
- non-magnetic
- corrosion resistant
- special tools made to customers own designs

When conventional steel tools are used in potentially combustible or explosive atmospheres, dangerous sparks may be accidentally created by tools slipping or being struck against hard surfaces.

Analysis of Non-Sparking materials:

Material	Aluminium - Bronze					Copper-beryllium			
Analysis	Cu	Al	Ni	Fe	Mn	Be	Ni	Co	Cu
min. in %	Rest	9	2	1	-	1.5	0.1	0.1	Rest
max. in %	Rest	12	6	4	1.8	2.0	0.6	0.6	Rest
Mechanical Properties									
Strength N/mm²	750-850					1140-1310			
Yield Point N/mm²	450-550					840-860			
Hardness Brinell	200/250					310/360			
Physical Properties									
Specific Weight	8.45					8.26			
Magnetic Properties	1.1					1.1			
Heat-extension 20-200°C	0.000015%					0.000012%			
Electrical Conductivity	8/12					8/6			

We reserve the right to change design or dimensions without prior notice.

The only safe way to eliminate fires and explosions in hazardous environments is to make sure that NO inflammable materials are present when using metal hand tools. In practice this is rarely possible and therefore plant managers and safety officers insist that **SPARK RESISTANT** tools are used for low-cost protection.

For metallurgical and technological reasons it is almost possible to manufacture spark resistant tools to the same hardness etc. as high alloy steel. Frequent re-dressing to remove embedded particles of steel or other substances which could cause sparks is essential. Misuse must be avoided, e.g. extending the handle length of wrenches with piping or using air hammer tools as a crow bar.

All **TRISTAR Non-sparking safety tools** in this catalogue are manufactured from Copper-Beryllium or Aluminium Bronze. Special precautions are to be taken when resharping and grinding Copper-Beryllium tools. Directions are available upon request.

TRISTAR Non-Sparking Safety Tools are guaranteed against defects in materials and workmanship. Tools which fail because of misuse, intentional or unintentional, or for any reason other than those stated above, cannot be replaced free of charge.

Instructions for use: **Non-sparking tools** have to be softer than conventional tools. For this reason the use of non-sparking tools has to be carry out with special care. Overstraining has to be avoid. The use of **non-sparking tools** must not be the only preventive measure in areas of fire and explosion risk. For an extensive protection of staff and equipping, please follow the instructions of your professional association.

Follow-up treatment: If you want to make a follow-up treatment on the tools (e.g. resharping) by yourself, we would be pleased to send you our technical instructions.

Guarantee: **TRISTAR Tools** contain a guarantee against mistakes in material and producing. However, this guarantee does not include damages caused by an improper handling. We reserve the right to any changes in material, workmanship and design without notice.



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Non Sparking Safety Tools



Double Ended Ring Spanner



Part Number	S ₁ xS ₂ mm
TNR - 57	5.5x7
TNR - 67	6x7
TNR - 68	6x8
TNR - 79	7x9
TNR - 89	8x9
TNR - 810	8x10
TNR - 910	9x10
TNR - 911	9x11
TNR -1011	10x11
TNR -1012	10x12
TNR -1013	10x13
TNR -1014	10x14
TNR -1113	11x13
TNR -1213	12x13
TNR -1214	12x14
TNR -1415	14x15
TNR -1417	14x17
TNR -1617	16x17
TNR -1618	16x18
TNR -1719	17x19
TNR -1721	17x21
TNR -1722	17x22
TNR -1819	18x19
TNR -1921	19x21
TNR -1922	19x22
TNR -1924	19x24
TNR -2022	20x22
TNR -2123	21x23
TNR -2126	21x26
TNR -2224	22x24
TNR -2227	22x27
TNR -2326	23x26
TNR -2426	24x26
TNR -2427	24x27
TNR -2430	24x30
TNR -2528	25x28
TNR -2629	26x29
TNR -2632	26x32
TNR -2729	27x29
TNR -2730	27x30
TNR -2732	27x32
TNR -2932	29x32
TNR -3032	30x32
TNR -3036	30x36
TNR -3234	32x34
TNR -3235	32x35
TNR -3236	32x36
TNR -3436	34x36
TNR -3541	35x41
TNR -3638	36x38
TNR -3641	36x41
TNR -3840	38x40
TNR -4146	41x46
TNR -4650	46x50
TNR -5055	50x55
TNR -5060	50x60
TNR -5560	55x60
TNR -6070	60x70

Number	S ₁ xS ₂ Inch
TNR -1002	¼ x5/16
TNR -1006	5/16x3/8
TNR -1008	3/8x7/16
TNR -1010	7/16x1/2
TNR -1012	1/2x9/16
TNR -1014	9/16x 5/8
TNR -1016	5/8 x 11/16
TNR -1018	11/16 x 3/4
TNR -1020	3/4x 13/16
TNR -1022	13/16x 7/8
TNR -1024	7/8x 15/16
TNR -1026	15/16x 1
TNR -1028	1x1 -1/16
TNR -1030	1-1/16x1-1/8
TNR -1032	1-1/8x1-3/16
TNR -1034	1-3/16x 1-1/4
TNR -1036	1-1/4x 1-5/16
TNR -1038	1-5/16x 1-3/8
TNR -1040	1-3/8x1-7/16
TNR -1042	1-7/16x1-5/8
TNR -1044	1-1/2x 1-9/16
TNR -1046	1-5/8x1-13/16
TNR -1048	1-13/16x2
TNR -1050	2x2-3/16
TNR -1050	2x2-3/16
TNR -1052	2-3/8x2- 3/4
TNR -1054	2-3/8x2- 3/4

Double Ended Open Spanner



Part Number	S ₁ x S ₂ mm
TNO -57	5.5x7
TNO -67	6x7
TNO -68	6x8
TNO -79	7x9
TNO -89	8x9
TNO -810	8x10
TNO -910	9x10
TNO -911	9x11
TNO -1011	10x11
TNO -1012	10x12
TNO -1014	10x14
TNO -1113	11x13
TNO -1213	12x13
TNO -1214	12x14
TNO -1317	13x17
TNO -1415	14x15
TNO -1417	14x17
TNO -1617	16x17
TNO -1618	16x18
TNO -1719	17x19
TNO -1721	17x21
TNO -1722	17x22
TNO -1819	18x19
TNO -1921	19x21
TNO -1922	19x22
TNO -1924	19x24
TNO -2022	20x22
TNO -2123	21x23
TNO -2126	21x26
TNO -2224	22x24
TNO -2227	22x27
TNO -2326	23x26
TNO -2426	24x26
TNO -2427	24x27
TNO -2430	24x30
TNO -2528	25x28
TNO -2629	26x29
TNO -2632	26x32
TNO -2729	27x29
TNO -2730	27x30
TNO -2732	27x32
TNO -2932	29x32
TNO -3032	30x32
TNO -3036	30x36
TNO -3234	32x34
TNO -3236	32x36
TNO -3436	34x36
TNO -3638	36x38
TNO -3641	36x41
TNO -3840	38x40
TNO -4146	41x46
TNO -4650	46x50
TNO -5055	50x55
TNO -5060	50x60
TNO -5560	55x60
TNO -6065	60x65
TNO -6570	65x70

Part Number	S ₁ x S ₂ Inch
TNO -1002	1 / 4 x 5 / 16
TNO -1004	5 / 16 x 3 / 8
TNO -1006	3 / 8 x 7 / 16
TNO -1008	3 / 8 x 1 / 2
TNO -1010	7 / 16 x 1 / 2
TNO -1012	1 / 2 x 9 / 16
TNO -1014	9 / 16 x 5 / 8
TNO -1016	5 / 8 x 11 / 16
TNO -1018	5 / 8 x 3 / 4
TNO -1020	11 / 16 x 3 / 4
TNO -1022	3 / 4 x 13 / 16
TNO -1024	3 / 4 x 7 / 8
TNO -1026	13 / 16 x 7 / 8
TNO -1028	7 / 8 x 15 / 16
TNO -1030	15 / 16 x 1
TNO -1032	1 x 1 - 1 / 16
TNO -1034	1 - 1 / 16 x 1 - 1 / 8
TNO -1036	1 - 1 / 8 x 1 - 3 / 16
TNO -1038	1 - 3 / 16 x 1 - 1 / 4
TNO -1040	1 - 1 / 4 x 1 - 5 / 16
TNO -1042	1 - 5 / 16 x 1 - 3 / 8
TNO -1044	1 - 3 / 8 x 1 - 7 / 16
TNO -1046	1 - 7 / 16 x 1 - 5 / 8
TNO -1048	1 - 1 / 2 x 1 - 9 / 16
TNO -1050	1 - 5 / 8 x 1 - 13 / 16
TNO -1052	1 - 13 / 16 x 2
TNO -1054	2 x 2 - 3 / 16
TNO -1056	2 x 2 3 / 8
TNO -1058	2 - 3 / 16 x 2 - 3 / 8
TNO -1060	2 - 3 / 8 x 2 - 9 / 16

Combination Spanner



Part Number	S mm
TNC -6	6
TNC -7	7
TNC -8	8
TNC -9	9
TNC -10	10
TNC -11	11
TNC -12	12
TNC -13	13
TNC -14	14
TNC -15	15
TNC -16	16
TNC -17	17
TNC -18	18
TNC -19	19
TNC -20	20
TNC -21	21
TNC -22	22
TNC -23	23
TNC -24	24
TNC -25	25
TNC -26	26
TNC -27	27
TNC -30	30
TNC -32	32
TNC -34	34
TNC -35	35
TNC -36	36
TNC -38	38
TNC -41	41
TNC -46	46
TNC -50	50
TNC -55	55
TNC -60	60
TNC -65	65
TNC -70	70

Part Number	S inch
TNC -1002	1/4
TNC -1004	5/16
TNC -1006	3/8
TNC -1008	7/16
TNC -1010	1/2
TNC -1012	9/16
TNC -1014	19/32
TNC -1016	5/8
TNC -1018	11/16
TNC -1020	3/4
TNC -1022	13/16
TNC -1024	7/8
TNC -1026	15/16
TNC -1028	1
TNC -1030	1-1/16
TNC -1032	1-1/8
TNC -1034	1-3/16
TNC -1036	1-1/4
TNC -1038	1-5/16
TNC -1040	1-3/8

Adjustable Wrench



Number	L mm	K _{max} mm	L inch
TNA -1002	100	13	4
TNA -1004	150	18	6
TNA -1006	200	24	8
TNA -1008	250	30	10
TNA -1010	300	36	12
TNA -1012	375	46	15
TNA -1014	450	55	18
TNA -1016	600	65	24

Pipe Wrench



Number	L mm	K _{max} mm	L inch
TNP -1002	200	25	8
TNP -1004	250	30	10
TNP -1006	300	40	12
TNP -1008	350	50	14
TNP -1010	450	60	18
TNP -1012	600	75	24
TNP -1014	900	85	36
TNP -1016	1200	110	48

Wrench, Striking Box



Number	S mm
TSB -17	17
TSB -19	19
TSB -22	22
TSB -24	24
TSB -27	27
TSB -30	30
TSB -32	32
TSB -34	34
TSB -36	36
TSB -38	38
TSB -41	41
TSB -46	46
TSB -50	50
TSB -55	55
TSB -60	60
TSB -65	65
TSB -70	70
TSB -75	75
TSB -80	80
TSB -85	85
TSB -90	90
TSB -95	95
TSB -100	100
TSB -105	105
TSB -110	110
TSB -120	120
TSB -130	130
TSB -140	140
TSB -150	150

Number	S Inch
TSB -1002	11 / 16
TSB -1004	3 / 4
TSB -1006	7 / 8
TSB -1008	1
TSB -1010	1-1 / 16
TSB -1012	1-1 / 8
TSB -1014	1-3 / 16
TSB -1016	1-1 / 4
TSB -1018	1-3 / 8
TSB -1020	1-13 / 32
TSB -1022	1-1 / 2
TSB -1024	1-5 / 8
TSB -1026	1-3 / 4
TSB -1028	1-13 / 16
TSB -1030	2
TSB -1032	2-1 / 16
TSB -1034	2-3 / 16
TSB -1036	2-13 / 64
TSB -1038	2-5 / 16
TSB -1040	2-3 / 8
TSB -1042	2-1 / 2
TSB -1044	2-9 / 16
TSB -1046	2-5 / 8
TSB -1048	2-3 / 4
TSB -1050	2-15 / 16
TSB -1052	3
TSB -1054	3-1 / 16
TSB -1056	3-1 / 8
TSB -1058	3-3 / 8
TSB -1060	3-9 / 16
TSB -1062	3-3 / 4
TSB -1064	3-15 / 16
TSB -1066	4-1 / 8

Striking Open Wrench



Number	S mm
TNS -17	17
TNS -19	19
TNS -22	22
TNS -24	24
TNS -27	27
TNS -30	30
TNS -32	32
TNS -36	36
TNS -38	38
TNS -41	41
TNS -46	46
TNS -50	50
TNS -52	52
TNS -55	55
TNS -60	60
TNS -65	65
TNS -70	70
TNS -75	75
TNS -80	80
TNS -85	85
TNS -90	90
TNS -95	95
TNS -100	100
TNS -110	110
TNS -120	120
TNS -130	130
TNS -140	140
TNS -150	150

Part Number	S inch
TNC -1002	1 / 4
TNC -1004	5 / 16
TNC -1006	3 / 8
TNC -1008	7 / 16
TNC -1010	1 / 2
TNC -1012	9 / 16
TNC -1014	19 / 32
TNC -1016	5 / 8
TNC -1018	11 / 16
TNC -1020	3 / 4
TNC -1022	13 / 16
TNC -1024	7 / 8
TNC -1026	15 / 16
TNC -1028	1
TNC -1030	1-1 / 16
TNC -1032	1-1 / 8
TNC -1034	1-3 / 16
TNC -1036	1-1 / 4
TNC -1038	1-5 / 16
TNC -1040	1-3 / 8

Hex Key



Number	S mm	L mm	H mm
TNA -1.5	1.5	38	13
TNA -2	2	38	13
TNA -2.5	2.5	38	13
TNA -3	3	59	25
TNA -4	4	65	30
TNA -5	5	79	32
TNA -6	6	85	37
TNA -7	7	88	43
TNA -8	8	92	44
TNA -9	9	97	44
TNA -10	10	110	45
TNA -11	11	119	48
TNA -12	12	130	52
TNA -13	13	140	54
TNA -14	14	150	58
TNA -15	15	156	60
TNA -16	16	162	63
TNA -17	17	168	65
TNA -18	18	173	69
TNA -19	19	177	72
TNA -21	21	184	74
TNA -22	22	186	77
TNA -23	23	189	80
TNA -24	24	192	82
TNA -25	25	200	81
TNA -26	26	206	90
TNA -27	27	213	93
TNA -28	28	222	95
TNA -29	29	231	100
TNA -30	30	240	105
TNA -32	32	266	116
TNA -36	36	294	128
TNA -41	41	320	140

Valve Square Driver



Number	C mm	L mm	H mm
TNV -6	6	110	9
TNV -8	8	120	10
TNV -9	9	140	11
TNV -10	10	140	12
TNV -11	11	160	13
TNV -12	12	190	14
TNV -13	13	200	15
TNV -14	14	250	16
TNV -16	16	250	18
TNV -17	17	300	19
TNV -19	19	350	20
TNV -22	22	400	22
TNV -24	24	500	24



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Hammers



Hammer, Ball Peen



Number	H g	L mm
TNB -1002	230	280
TNB -1004	340	280
TNB -1006	450	310
TNB -1008	680	340
TNB -1010	910	350
TNB -1012	1130	400

Hammer, Sledge



Number	H g	L mm
TNH -1002	450	310
TNH -1004	1000	400
TNH -1006	1400	400
TNH -1008	1500	400
TNH -1010	1800	400
TNH -1012	2000	400
TNH -1014	2200	400
TNH -1016	2500	900
TNH -018	2700	900
TNH -1020	3000	900
TNH -1022	3600	900
TNH -1024	4000	900
TNH -1026	4500	900
TNH -1028	5000	900
TNH -1030	5400	900
TNH -1032	6400	900
TNH -1034	7200	900
TNH -1036	8000	900
TNH -1038	8200	900
TNH -1040	9100	900
TNH -1042	9900	900

Hammer, Sledge (German Type)

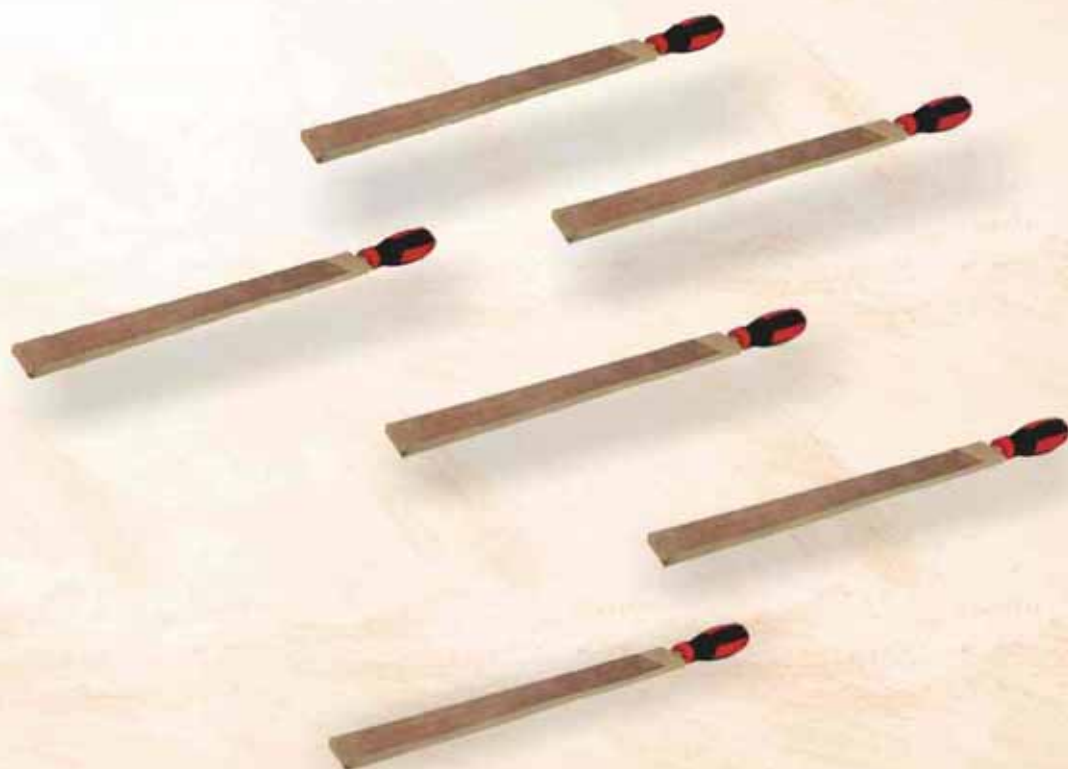


Number	H g	L mm
TNG -1002	500	350
TNG -1004	1000	400
TNG -1006	1500	400
TNG -1008	2000	400
TNG -1010	4000	900
TNG -1012	5000	900

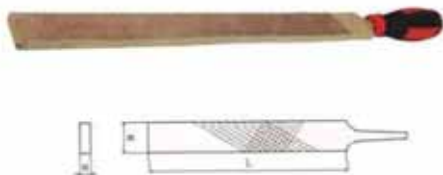


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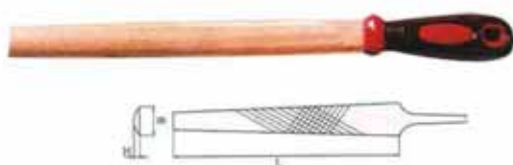


Flat File



Number	L Inch	L mm	B mm	H mm
TNF -1002	6	150	16	4
TNF -1004	8	200	21	4.5
TNF -1006	10	250	25	6
TNF -1008	12	300	30	6.5
TNF -1010	14	350	32	8
TNF -1012	16	400	32	9.5

Half Round File



Number	L Inch	L mm	B mm	H mm
TNO-1002	6	150	22	6
TNO-1004	8	200	23	7
TNO-1006	10	250	26	8
TNO-1008	12	300	28	9
TNO-1010	14	350	30	10

Round File



Number	L mm	L mm	Φ mm
TNO-1002	6	150	6.5
TNO-1004	8	200	7.5
TNO-1006	10	250	8.5
TNO-1008	12	300	9.5
TNO-1010	14	350	10.5

Punch



Number	Φ Mm	Φ ₁ mm	L mm
TNP - 1005	5	11	150
TNP - 1006	6	12	150
TNP - 1007	7	13	150
TNP - 1008	8	14	150
TNP - 1010	10	16	175
TNP - 1012	12	18	175
TNP - 1013	13	29	255



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Pliers, Adjustable Combination



Number	L inch	L mm	K mm
TNP -1002	6	152	8
TNP -1004	8	203	13

Pliers, Cutting



Number	L inch	L mm
TNK -1002	8	200

Pliers, Flat Nose



Number	L inch	L mm
TNN -1002	6	150
TNN -1004	8	200

Slotted Screwdriver



Number	L1 Inch	L1 mm	L mm	H mm	B mm
TSS - 1002	2	50	108	0.4	3
TSS - 1004	3	75	133	0.5	3
TSS - 1006	3	75	153	0.5	4
TSS - 1008	3	75	153	0.6	5
TSS - 1010	4	100	178	0.5	4
TSS - 1012	4	100	178	0.6	5
TSS - 1014	4	100	193	0.8	6
TSS - 1016	6	150	243	1	7
TSS - 1018	8	200	305	1.2	8
TSS - 1020	10	250	355	1.4	9
TSS - 1022	12	300	420	1.8	10
TSS - 1024	14	350	470	2	11

Phillips Screwdriver



Number	L ₁ Inch	Size	L ₁ mm	L mm
TSP - 1002	2	0	50	132
TSP - 1004	3	2	75	178
TSP - 1006	4	2	100	203
TSP - 1008	5	2	125	237
TSP - 1010	6	2	150	262
TSP - 1012	8	3	200	312
TSP - 1014	10	3	250	362
TSP - 1016	12	4	300	412
TSP - 1018	14	4	350	462
TSP - 1020	16	4	400	550
TSP - 1022	18	4	450	600

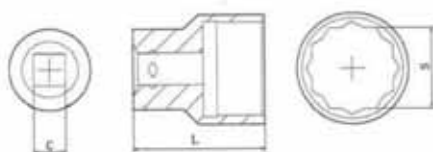


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Non Sparking Safety Tools



Socket



Square Drive: 1/4"

Number	S mm	L mm
TNM - 4	4	25
TNM - 4.5	4.5	25
TNM - 5	4.5	25
TNM - 5.5	5.5	25
TNM - 6	6	25
TNM - 7	7	25
TNM - 8	8	25
TNM - 9	9	25
TNM - 10	10	25
TNM - 11	11	25
TNM - 12	12	26
TNM - 13	13	26
TNM - 14	14	26
TNM - 15	15	27
TNM - 16	16	27
TNM - 17	17	27
TNM - 18	18	27
TNM - 19	19	27

Number	S Inch	L mm
TNI - 102	5/32	25
TNI - 104	3/16	25
TNI - 106	7/32	25
TNI - 108	1/4	25
TNI - 110	9/32	25
TNI - 112	5/16	25
TNI - 114	11/32	28
TNI - 116	3/8	28
TNI - 118	7/16	28
TNI - 120	1/2	28



Square Drive: 3/8"

Number	S mm	L mm
TNM - 205	5	28
TNM - 205.5	5.5	28
TNM - 206	6	28
TNM - 207	7	28
TNM - 208	8	28
TNM - 209	9	32
TNM - 210	10	32
TNM - 211	11	32
TNM - 212	12	32
TNM - 213	13	32
TNM - 214	14	32
TNM - 215	15	32
TNM - 226	16	32
TNM - 227	17	32
TNM - 229	19	32
TNM - 220	20	32

Number	S inch	L mm
TNI - 202	5/16	32
TNI - 204	3/8	32
TNI - 206	7/16	32
TNI - 208	1/2	32
TNI - 210	9/16	32
TNI - 212	5/8	35
TNI - 214	11/16	35
TNI - 216	3/4	35
TNI - 218	13/16	35
TNI - 220	7/8	35
TNI - 222	15/16	35

Square Drive: 1/2"

Number	S mm	L mm
TNM - 306	6	40
TNM - 307	7	40
TNM - 308	8	40
TNM - 309	9	40
TNM - 310	10	40
TNM - 311	11	40
TNM - 312	12	40
TNM - 313	13	40
TNM - 314	14	40
TNM - 315	15	40
TNM - 316	16	40
TNM - 317	17	40
TNM - 318	18	42
TNM - 319	19	42
TNM - 320	20	42
TNM - 321	21	43
TNM - 322	22	43
TNM - 323	23	43
TNM - 324	24	43
TNM - 325	25	43
TNM - 326	26	43
TNM - 327	27	46
TNM - 328	28	46
TNM - 329	29	46
TNM - 330	30	46
TNM - 332	32	46

Number	S inch	L mm
TNI - 302	5/16	40
TNI - 304	3/8	40
TNI - 306	7/16	40
TNI - 308	1/2	40
TNI - 310	9/16	40
TNI - 312	5/8	40
TNI - 314	11/16	40
TNI - 316	3/4	42
TNI - 318	13/16	43
TNI - 320	7/8	43
TNI - 322	15/16	43
TNI - 324	1	43
TNI - 326	1-1/16	46
TNI - 328	1-1/4	47
TNI - 330	1-7/16	47



Socket

Square Drive: 3/4"



Number	S mm	L mm
TNM - 417	17	50
TNM - 419	19	50
TNM - 421	21	55
TNM - 422	22	55
TNM - 423	23	55
TNM - 424	24	55
TNM - 426	26	55
TNM - 427	27	55
TNM - 428	28	55
TNM - 429	29	55
TNM - 430	30	60
TNM - 431	31	60
TNM - 432	32	60
TNM - 434	34	60
TNM - 436	36	60
TNM - 438	38	60
TNM - 441	41	65
TNM - 446	46	65
TNM - 450	50	70

Number	S Inch	L mm
TNI - 402	3/16	50
TNI - 404	13/16	55
TNI - 406	7/8	55
TNI - 408	15/16	55
TNI - 410	1	55
TNI - 412	1-1/16	55
TNI - 414	1-1/8	55
TNI - 416	1-3/16	60
TNI - 418	1-1/4	60
TNI - 420	1-5/16	60
TNI - 422	1-3/8	60
TNI - 424	1-7/16	60
TNI - 426	1-1/2	60
TNI - 428	1-5/8	65
TNI - 430	1-3/4	65
TNI - 432	1-13/16	65
TNI - 434	1-7/8	65
TNI - 436	2	70

Impact Socket

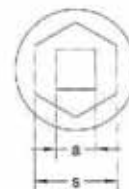
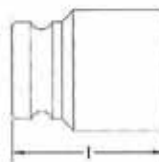
1/2" Drive



No.	S mm	I mm
TTM 308	8	40
TTM 309	9	40
TTM 310	10	40
TTM 311	11	40
TTM 312	12	40
TTM 313	13	40
TTM 314	14	40
TTM 315	15	40
TTM 316	16	40
TTM 317	17	40
TTM 318	18	40
TTM 319	19	40
TTM 320	20	40
TTM 321	21	40
TTM 322	22	40
TTM 323	23	40
TTM 324	24	40
TTM 325	25	40
TTM 326	26	40
TTM 327	27	40
TTM 328	28	40
TTM 329	29	40
TTM 330	30	40

No.	S inch	I inch
TTI 02	5/16	1.9/16
TTI 04	3/8	1.9/16
TTI 06	7/16	1.9/16
TTI 08	1/2	1.9/16
TTI 10	9/16	1.9/16
TTI 12	5/8	1.9/16
TTI 14	11/16	1.9/16
TTI 16	3/4	1.9/16
TTI 18	13/16	1.9/16
TTI 20	7/8	1.9/16
TTI 22	15/16	1.9/16
TTI 24	1.1/16	1.9/16
TTI 26	1.1/8	1.9/16
TTI 28	1.3/16	1.9/16

Impact Socket



3/8" Drive

No.	S mm	I mm
TTM 7	7	34
TTM 8	8	34
TTM 9	9	34
TTM 10	10	34
TTM 11	11	34
TTM 12	12	34
TTM 13	13	34
TTM 14	14	34
TTM 15	15	34
TTM 16	16	34
TTM 17	17	34
TTM 18	18	34
TTM 19	19	34

No.	S inch	I inch
TTI 2	1/4	1.3/8
TTI 4	5/16	1.3/8
TTI 6	3/8	1.3/8
TTI 8	7/16	1.3/8
TTI 10	1/2	1.3/8
TTI 12	9/16	1.3/8
TTI 14	5/8	1.3/8
TTI 16	11/16	1.3/8
TTI 18	3/4	1.3/8

3/4" Drive

No.	S Mm	I mm
TTM 419	19	49
TTM 421	21	49
TTM 422	22	49
TTM 423	23	49
TTM 424	24	49
TTM 427	27	50
TTM 429	29	50
TTM 430	30	50
TTM 432	32	54
TTM 434	34	54
TTM 436	36	56
TTM 441	41	58
TTM 446	46	63

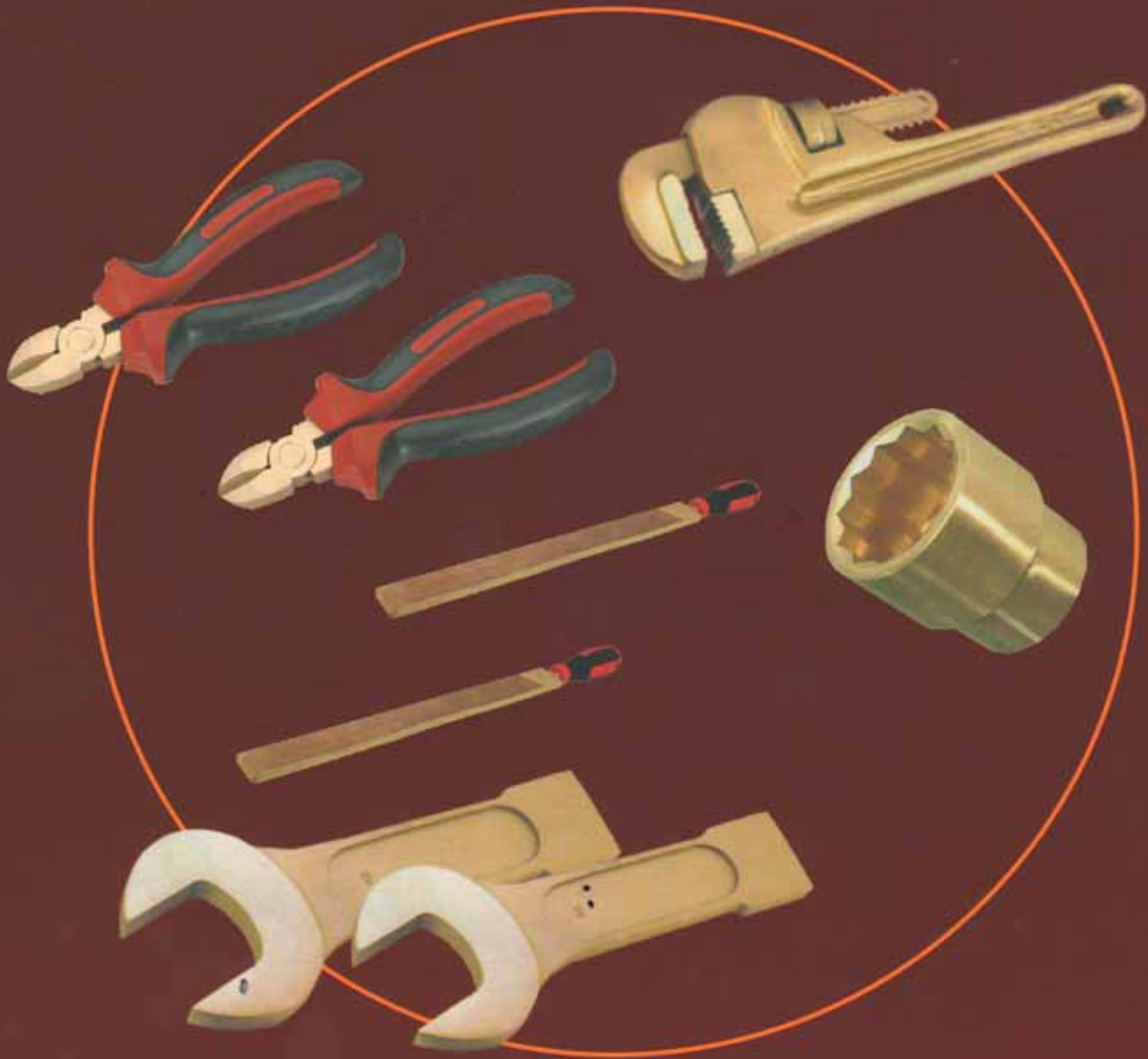
No.	S inch	I inch
TTI 402	3/4	1.15/16
TTI 404	13/16	1.15/16
TTI 406	7/8	1.15/16
TTI 408	15/16	1.15/16
TTI 410	1.1/16	2
TTI 412	1.1/8	2
TTI 414	1.3/16	2
TTI 416	1.1/4	2.1/8
TTI 418	1.3/8	2.1/8
TTI 420	1.7/16	2.1/4
TTI 422	1.5/8	2.5/16
TTI 424	1.13/16	2.1/2

1" Drive

No.	S Mm	I mm
TTM 522	22	60
TTM 524	24	60
TTM 527	27	60
TTM 530	30	63
TTM 532	32	63
TTM 534	34	63
TTM 536	36	67
TTM 538	38	67
TTM 541	41	70
TTM 542	42	70
TTM 543	43	70
TTM 546	46	70
TTM 550	50	70
TTM 555	55	74
TTM 560	60	78
TTM 565	65	78
TTM 570	70	78

No.	S inch	I inch
TTI 502	7/8	2.3/8
TTI 504	15/16	2.3/8
TTI 506	1.1/16	2.3/8
TTI 508	1.3/16	2.1/2
TTI 510	1.1/4	2.1/2
TTI 512	1.3/8	2.1/2
TTI 514	1.7/16	2.11/16
TTI 516	1.1/2	2.11/16
TTI 518	1.5/8	2.3/4
TTI 520	1.11/16	2.3/4
TTI 522	1.13/16	2.3/4
TTI 524	2	2.3/4
TTI 526	2.3/16	2.15/16
TTI 528	2.3/8	3.1/8
TTI 530	2.9/16	3.1/8
TTI 532	2.3/4	3.1/8

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