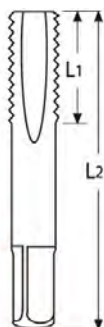


## Males hand series 3 pieces



**IN ACCIAIO AL CROMO VANADIO**

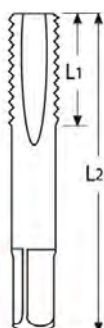
**IN ACCIAIO HSS-G**

- Metric coarse (MA).
- Chromium-vanadium UNI 4535.
- HSS-G DIN 352 (high quality ' - adjusted).
- Each series' consists of a male roughing, intermediate from a male and a male finisher.
- Chrome steel vanadium

Code	Desc.	Measure	L1 mm	L2 mm	Type
4430030400	367/3	3x0.5	12	40	ACC. AL C.V.
4430030410	367/3	4x0.7	14	45	ACC. AL C.V.
4430030420	367/3	5x0.8	16	48	ACC. AL C.V.
4430030430	367/3	6x1	18	50	ACC. AL C.V.
4430030440	367/3	7x1	18	50	ACC. AL C.V.
4430030450	367/3	8x1.25	22	56	ACC. AL C.V.
4430030460	367/3	9x1.25	22	63	ACC. AL C.V.
4430030490	367/3	10x1.5	25	70	ACC. AL C.V.
4430030520	367/3	12x1.75	30	75	ACC. AL C.V.
4430030540	367/3	14x2	32	80	ACC. AL C.V.
4430030560	367/3	16x2	32	80	ACC. AL C.V.
4430030570	367/3	18x2.5	40	95	ACC. AL C.V.
4430030590	367/3	20x2.5	40	95	ACC. AL C.V.
4430030600	367/3	22x2.5	40	100	ACC. AL C.V.
4430030610	367/3	24x3	50	110	ACC. AL C.V.
4430047950	871/3	4x0.7	14	45	HSS-G
4430047960	871/3	5x0.8	16	48	HSS-G
4430047970	871/3	6x1	18	50	HSS-G
4430047980	871/3	7x1	18	50	HSS-G
4430047990	871/3	8x1.25	22	56	HSS-G
4430048000	871/3	9x1.25	22	63	HSS-G
4430048010	871/3	10x1.5	25	70	HSS-G
4430048020	871/3	12x1.75	30	75	HSS-G
4430048030	871/3	14x2	32	80	HSS-G
4430048040	871/3	16x2	32	80	HSS-G
4430048050	871/3	18x2.5	40	95	HSS-G
4430048060	871/3	20x2.5	40	95	HSS-G



## Males Hand Series 2 parts



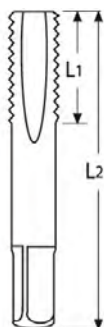
**IN ACCIAIO AL CROMO VANADIO**

**IN ACCIAIO HSS-G**

- Metric coarse and fine.
- Chrome-vanadium UNI 4535.
- HSS-G DIN 2182 (quality-adjusted).
- Each series is composed of a male roughing mill and by a male finisher.

Code	Desc.	Measure	L1 mm	L2 mm	Type
4430030000	366/2	3x0.5	12	40	Chrome steel vanadium
4430030020	366/2	4x0.7	14	45	Chrome steel vanadium
4430030035	366/2	5x0.8	16	48	Chrome steel vanadium
4430030040	366/2	6x0.75	18	50	Chrome steel vanadium
4430030050	366/2	6x1	18	50	Chrome steel vanadium
4430030060	366/2	7x1	18	50	Chrome steel vanadium
4430030070	366/2	8x1	22	56	Chrome steel vanadium
4430030080	366/2	8x1.25	22	56	Chrome steel vanadium
4430030090	366/2	9x1	22	63	Chrome steel vanadium
4430030100	366/2	10x1	25	70	Chrome steel vanadium
4430030110	366/2	10x1.25	25	70	Chrome steel vanadium
4430030120	366/2	10x1.5	25	70	Chrome steel vanadium
4430030130	366/2	12x1.25	30	75	Chrome steel vanadium
4430030140	366/2	12x1.5	30	75	Chrome steel vanadium
4430030145	366/2	12x1.75	30	75	Chrome steel vanadium
4430030150	366/2	14x1.25	32	80	Chrome steel vanadium
4430030160	366/2	14x1.5	32	80	Chrome steel vanadium
4430030170	366/2	14x2	32	80	Chrome steel vanadium
4430030180	366/2	16x1.5	32	80	Chrome steel vanadium
4430030190	366/2	16x2	32	80	Chrome steel vanadium
4430030210	366/2	18x2	40	95	Chrome steel vanadium
4430030230	366/2	20x1.5	40	95	Chrome steel vanadium
4430030260	366/2	22x1.5	40	100	Chrome steel vanadium
4430030290	366/2	24x1.5	50	110	Chrome steel vanadium
4430030300	366/2	24x2	50	110	Chrome steel vanadium
4430048100	872/2	10x1.25	18	63	HSS-G
4430048110	872/2	12x1.25	20	70	HSS-G
4430048120	872/2	12x1.5	20	70	HSS-G
4430048130	872/2	14x1.5	20	70	HSS-G
4430048140	872/2	16x1.5	20	70	HSS-G
4430048150	872/2	18x1.5	22	80	HSS-G
4430048160	872/2	20x1.5	22	80	HSS-G

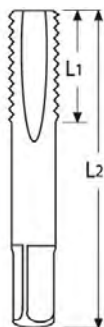
## Males hand series 3 pieces UNC



Code	Desc.	N. threads per inch	L1 mm	L2 mm
4430030700	368/3-1/4"	20	30	70
4430030710	368/3-5/16"	18	30	70
4430030720	368/3-3/8"	16	35	75
4430030730	368/3-7/16"	14	40	80
4430030740	368/3-1/2"	13	45	85
4430030750	368/3-9/16"	12	45	90
4430030760	368/3-5/8"	11	47	100
4430030770	368/3-3/4"	10	50	110

- American thread coarse (UNC).
- Chrome steel vanadium ANSI B 1-1.
- Each series' consists of a male roughing, intermediate from a male and a male finisher.

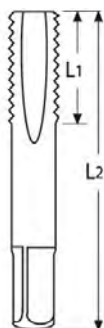
## Males Hand Series 2 pieces UNF



Code	Desc.	N. threads per inch	L1 mm	L2 mm
4430030800	368/2-1/4"	28	30	70
4430030810	368/2-5/16"	24	30	70
4430030820	368/2-3/8"	24	35	75
4430030830	368/2-7/16"	20	40	80
4430030840	368/2-1/2"	20	45	85
4430030850	368/2-9/16"	18	45	90
4430030860	368/2-5/8"	18	47	100
4430030870	368/2-3/4"	16	50	110

- American thread with fine pitch (UNF).
- Chrome-vanadium ANSI B 1-1.
- Each series' consists of a male and a roughing male finisher.

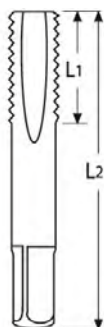
## Males Hand Series 2 pieces GAS



Code	Desc.	N. threads per inch	L1 mm	L2 mm
4430030620	368/2-1/8"	28	18	65
4430030625	368/2-1/4"	19	24	70
4430030630	368/2-3/8"	19	25	75
4430030635	368/2-1/2"	14	31	80
4430030640	368/2-3/4"	14	33	90
4430030645	368/2-1"	11	39	100

- Cylindrical gas thread.
- Chrome-vanadium UNI 1338 - DIN 353.
- Each series' consists of a male and a roughing male finisher.

## Males hand claims series 3 pieces



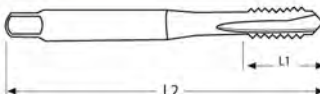
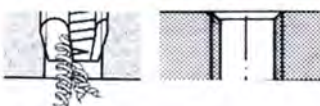
Code	Desc.	L1 mm	L2 mm
4430030322	367 SX - 3/4x0.7	13	45
4430030324	367 SX - 3/5x0.8	16	50
4430030326	367 SX - 3/6x1	19	50
4430030328	367 SX - 3/8x1.25	20	56
4430030330	367 SX - 3/10x1.5	22	70
4430030332	367 SX - 3/12x1.75	24	75

- HSS.
- Thread stripped and ground.
- Each series' consists of a male roughing, intermediate and a male a male finisher.
- For left-hand threads.

## Machine taps HSS-G for through holes



**CON GAMBO RINFORZATO  
A NORME ISO 2/6H, DIN  
371/B E 376/B**



- Machine taps HSS-G to make threads in one pass through steel, cast iron, non-ferrous metals.
- Straight flute, spiral point, reinforced shank diameter up to 10 mm., Shank for measures more 'large.
- Metric thread to ISO 2 / 6H. Construction according to DIN 371 / B and 376 / B.
- To use it is recommended lubrication with our cutting oils cod. 411 00 01900 spray, 411 00 14860 liquid.
- \* DIN 376 with reduced shank.

Code	Desc.	Thread	L2 mm leng. tot. mm	L1 leng. thread mm	Ø stem (mm)
4430051080	1038/3	M 3x0,5	56	11	3,5
4430051090	1038/4	M 4x0,7	63	13	4,5
4430051100	1038/5	M 5x0,8	70	16	6,0
4430051110	1038/6	M 6x1	80	19	6,0
4430051120	1038/8	M 8x1,25	90	22	8,0
4430051130	1038/10x1,5	M 10x1,5	100	24	10
4430051140	1038/10x1,25	M 10x1,25	100	24	10
4430051150	1038/12*	M12x1,75	110	29	9
4430051160	1038/14*	M 14x2	110	30	11
4430051170	1038/16*	M 16x2	110	30	12
4430051810	1062/18*	M 18 X 2,5	125	34	14
4430051820	1062/20*	M 20 X 2,5	140	34	16
4430051830	1062/22*	M 22 X 2,5	140	34	18



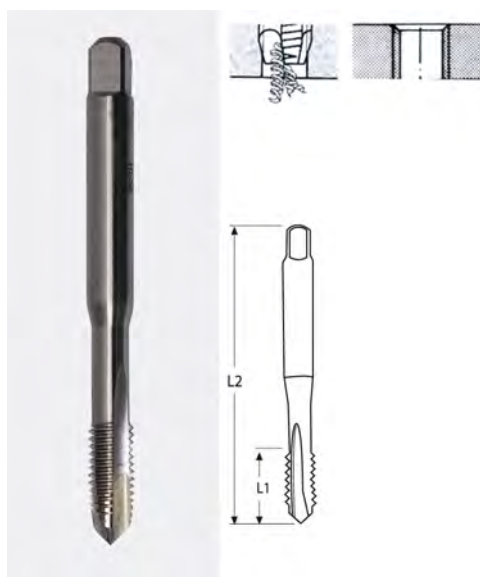
## Machine taps HSS-G for blind holes



- Machine taps HSS-G for blind holes
- Machine taps HSS-G to make threads in blind holes in one pass on steel, cast iron, non-ferrous metals.
- Helical grooves inclined at 35 °, chamfer "C", reinforced shank diameter up to 10 mm., Shank for measures more 'large.
- Metric thread to ISO 2 / 6H. Construction according to DIN 371 / C-35 ° and 376 / C-35 °.
- To use it is recommended lubrication with our cutting oils cod. 411 00 01900 spray, 411 00 14860 liquid.
- \* Type DIN 376 with reduced shank.

Code	Desc.	Thread	L2 mm <i>leng. tot. mm</i>	L1 leng. <i>thread mm</i>	Ø stem <i>(mm)</i>
4430051300	956/3	M 3x0,5	56	11	3,5
4430051310	956/4	M 4x0,7	63	13	4,0
4430051320	956/5	M 5x0,8	70	16	6,0
4430051330	956/6	M 6x1	80	19	6,0
4430051340	956/8	M 8x1,25	90	22	8,0
4430051350	956/10	M 10x1,5	100	24	10,0
4430051360	956/12*	M 12x1,75	110	25	9

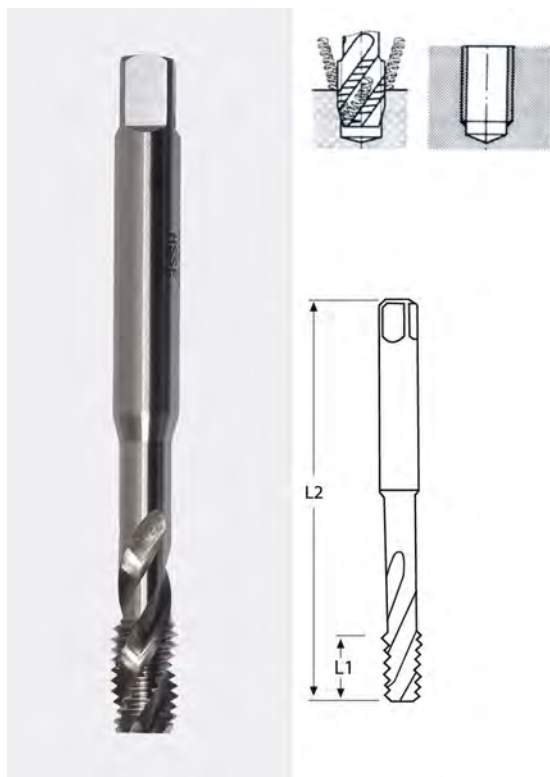
## Machine taps HSS-co for steel-Through holes



- Machine taps HSS-CO to make thread loops in single pass of stainless steels, cast iron, non-ferrous metals.
- Straight flutes and spiral point.
- Reinforced shank up to 10 mm dia., Shank for measures more 'large.
- Metric thread to ISO 2 / 6H. construction according to DIN 371 / B and 376 / B.
- To use it is recommended lubrication with our cutting oils cod.411 00 sray 01900, 4110014860 liquid.
- \* Type DIN 376 with reduced shank

Code	Desc.	Thread	L2 mm <i>leng. tot. mm</i>	L1 leng. <i>thread mm</i>	Ø gambo <i>mm</i>
4430054280	1113/3	M3X0,5	56	11	3,5
4430054290	1113/4	M4X0,7	63	13	4,5
4430054300	1113/5	M5X0,8	70	16	6,0
4430054310	1113/6	M6X1	80	19	6,0
4430054320	1113/8	M8X1,25	90	22	8,0
4430054330	1113/10	M10X1,5	100	24	10
4430054340	1113/12*	M12X1,75	110	29	9
4430054350	1113/14*	M14X2	110	30	11
4430054360	1113/16*	M16X2	110	30	12
4430054370	1113/18*	M18X2,5	125	34	14

## Machine taps HSS-co for steel-blind holes

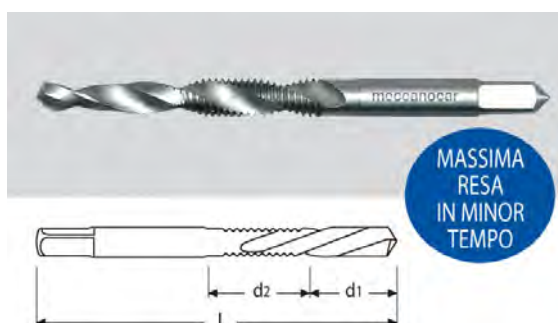


- Machine taps in HSS-co for making threads in blind holes in single pass of stainless steels, cast iron, non-ferrous metals.
- Helical grooves inclined at 35 °, chamfer "C".
- Reinforced shank up to 10 mm dia., Shank for measures more 'large.
- Metric thread to ISO 2 / 6H. Construction according to DIN 371 / C-35 ° and 376 / C-35 °.
- To use it is recommended lubrication with our cutting oils cod.4110001900 spray, 4110014860 liquid.
- \* Type DIN 376 with reduced shank.



Code	Desc.	Thread	L2 mm <i>leng. tot. mm</i>	L1 leng. <i>thread mm</i>	Ø gambo <i>mm</i>
4430054400	1114/3	M3X0,5	56	11	3,5
4430054410	1114/4	M4X0,7	63	13	4,5
4430054420	1114/5	M5X0,8	70	16	6,0
4430054430	1114/6	M6X1	80	19	6,0
4430054440	1114/8	M8X1,25	90	22	8,0
4430054450	1114/10	M10X1,5	100	24	10
4430054460	1114/12*	M12X1,75	110	25	9
4430054470	1114/14*	M14X2	110	25	11
4430054480	1114/16*	M16X2	110	28	12
4430054490	1114/18*	M18X2,5	125	32	14
4430054500	1114/20*	M20X2,5	140	32	16
4430054510	1114/22*	M22X2,5	140	32	18

## Special tips for drilling and tapping



- Metric coarse (MA).
- HSS-CO high yield.

Code	Desc.	Ø mm	L <i>mm</i>	d1 <i>mm</i>	d2 mm
4430046912	765	4x0.7	63	3.3	4
4430046914	765	5x0.8	71	4.2	5
4430046916	765	6x1	80	5	6
4430046918	765	8x1.25	95	6.8	8
4430046920	765	10x1.5	106	8.5	10
4430046922	765	12x1.75	125	10.2	12

## Drills combined HSS-G 1/4 "Drilling, threading and countersink



- Tools adjusted HSS-G.
- ISO metric, coarse thread.
- Drilling, threading and flaring steel, aluminum, non-ferrous metals in general, plastic.
- Maximum workable thickness equal to the diameter of the tip, for example: M8 and 'usable on a maximum workable thickness of 8mm.
- Due to its shape are reduced processing times, 'cause in only one tool the user can' drill, thread and countersink.
- Use sectors: electrical and plumbing and heating plant engineer, coachwork, workshops vehicles.
- 1/4 "hexagonal wrenches, cordless drills, portable drills and stationary.
- For use with our cut oil tap cod. 4110001900 and oil to thread cod. 4110015590.

Code	Desc.	Attachment esag.	Length mm	MxPace
4430055510	1290	1/4"	36	M3x0,5
4430055515	1295	1/4"	39	M4x0,7
4430055520	1300	1/4"	41	M5x0,8
4430055525	1305	1/4"	44	M6x1
4430055530	1310	1/4"	50	M8x1,25
4430055535	1315	1/4"	59	M10x1,5

## Assortment tips combined HSS-G 1/4 "Drilling, threading and countersink



- Assortment tips combined with 1/4 "including magnetic bit holder for 1/4".
- For use with our cut oil tap cod. 4110001900 and oil to thread cod. 4110015590.

Code	Desc.	Content	Attachment esag.
4430055540	1330	1 port bits 1 PZ. M3x0.5 1 PZ. M4X0,7 1 PZ. M5x0.8 1 PZ. M6X1 1 PZ. M8x1,25 1 PZ. M10x1,5	1/4"

## Series taps drills with reversible



- Metric coarse (MA).
- HSS-G.
- 1/4 "hexagonal.

Code	Desc.	Content
4430046900	760	1MALE FOR TYPE M 3; 4; 5; 6X1 8X1.25; 10X1.5

## Round dies in metric



- Made of chrome-vanadium.
- UNI 4535.

Code	Desc.	Big pitch	Fine pitch	Ø est.
4430030900	369	3X0.5	-	25.4
4430030920	369	4X0.7	-	25.4
4430030940	369	5X0.8	-	25.4
4430030950	369	-	6X0.75	25.4
4430030960	369	6X1	-	25.4
4430030980	369	7X1	-	25.4
4430031000	369	-	8X1	25.4
4430031010	369	8X1.25	-	25.4
4430031020	369	-	9X1	25.4
4430031030	369	9X1.25	-	25.4
4430031050	369	-	10X1	38.1
4430031060	369	-	10X1.25	38.1
4430031070	369	10X1.5	-	38.1
4430031100	369	-	12X1.25	38.1
4430031110	369	-	12X1.5	38.1
4430031120	369	12X1.75	-	38.1
4430031150	369	-	14X1.25	38.1
4430031160	369	-	14X1.5	38.1
4430031170	369	14X2	-	38.1
4430031210	369	-	16X1.5	38.1
4430031220	369	16X2	-	38.1
4430031250	369	-	18X1.5	38.1
4430031255	369	-	18X2	50.8
4430031260	369	18X2.5	-	50.8
4430031280	369	-	20X1.5	50.8
4430031300	369	20X2.5	-	50.8
4430031320	369	-	22X1.5	50.8
4430031340	369	22X2.5	-	50.8
4430031360	369	-	24X1.5	50.8
4430031370	369	-	24X2	50.8
4430031380	369	24X3	-	50.8



## Round dies in metric thread HSS



Code	Desc.	Big pitch	Fine pitch	Ø est. per h
4430048200	873	4X0.7	-	20x5
4430048210	873	5X0.8	-	20x7
4430048220	873	6X1	-	20x7
4430048230	873	7X1	-	25x9
4430048240	873	8X1.25	-	25x9
4430048250	873	9X1.25	-	25x9
4430048260	873	-	10X1.25	30x11
4430048270	873	10X1.5	-	30x11
4430048280	873	-	12X1.25	38x10
4430048290	873	-	12X1.5	38x10
4430048300	873	12X1.75	-	38x14
4430048310	873	-	14X1.5	38x10
4430048320	873	14X2	-	38x14
4430048330	873	-	16X1.5	45x14
4430048340	873	16X2	-	45x18
4430048350	873	-	18X1.5	45x14
4430048360	873	18X2.5	-	45x18
4430048370	873	-	20X1.5	45x14
4430048380	873	20X2.5	-	45x18

- Steel high quality 'HSS.
- DIN 223.
- With spiral point.

## Round dies - American thread coarse UNC



- Made of chrome - vanadium.

Code	Desc.	N. threads per inch	Ø est.
4430031400	370-1/4"	20	25.4
4430031410	370-5/16"	18	25.4
4430031420	370-3/8"	16	38.1
4430031430	370-7/16"	14	38.1
4430031440	370-1/2"	13	38.1
4430031450	370-9/16"	12	38.1
4430031460	370-5/8"	11	50.8
4430031470	370-3/4"	10	50.8
4430031480	370-7/8"	9	50.8
4430031490	370-1"	8	50.8

## Round dies - American thread fine pitch UNF



- Made of chrome-vanadium.

Code	Desc.	N. threads per inch	Ø est.
4430031500	370-1/4"	28	25.4
4430031510	370-5/16"	24	25.4
4430031520	370-3/8"	24	38.1
4430031530	370-7/16"	20	38.1
4430031540	370-1/2"	20	38.1
4430031550	370-9/16"	18	38.1
4430031560	370-5/8"	18	50.8
4430031570	370-3/4"	16	50.8
4430031580	370-7/8"	14	50.8
4430031590	370-1"	12	50.8



## Round dies - cylindrical gas thread BSP



- Made of chrome-vanadium 338 UNI.

Code	Desc.	N. threads per inch	Ø est.
4430031592	370-1/8"	28	38.1
4430031593	370-1/4"	19	38.1
4430031594	370-3/8"	19	50.8
4430031595	370-1/2"	14	50.8
4430031597	370-3/4"	14	50.8
4430031598	370-1"	11	63.5

## Round dies - left hand thread



- In HSS.
- ISO metric thread - DIN 13 - M.

Code	Desc.	Ø est. per h
4430031392	369SX-3x0.5	20X5
4430031393	369SX-4x0.7	20X5
4430031394	369SX-5x0.8	20X7
4430031395	369SX-6x1	20X7
4430031396	369SX-8x1.25	25X9
4430031397	369SX-10x1.5	30X11
4430031398	369SX-12x1.75	38X14

## Tap wrenches extensible



- Pressed steel.
- American model DIN 814.

Code	Desc.	Maschi metrici	Maschi pollici	Males gas	L mm
4430031700	372-0	M1÷8	1/16÷1/4	-	130
4430031710	372-1	M1÷10	1/16÷3/8	1/8	188
4430031720	372-2	M4÷12	5/32÷1/2	1/8	280
4430031730	372-3	M5÷20	7/32÷3/4	1/8÷1/2	380
4430031740	372-4	M11÷27	7/16÷1	1/4÷3/4	500
4430031750	372-5	M13÷32	1/2÷1-1/4	1/4÷1	700
4430031760	372-6	M18÷42	3/4÷1-1/4	1/2÷1-1/4	1000

## Tap wrenches universal type Goodel



- With steel spindle with 4 jaws.
- Zinc-plating with reinforced protection.

Code	Desc.	Maschi metrici	L mm
4430031610	371-1	M2÷5	80
4430031620	371-2	M5÷7	90
4430031630	371-3	M7÷9	100
4430031640	371-4	M9÷12	100

## Universal tap wrenches ratchet short series



- Reversible.
- Chromed steel.

Code	Desc.	Maschi metrici	Maschi pollici	L mm
4430031900	374-1	M3÷10	1/8÷3/8	85
4430031910	374-2	M5÷12	7/32÷1/2	100

4

## Universal ratchet tap wrenches, long series



- Reversible.
- Chromed steel.

Code	Desc.	Maschi metrici	Maschi pollici	L mm
4430032000	375-1	M3÷10	1/8÷3/8	250
4430032001	375-2	M5÷12	7/32÷1/2	300

## Brings dies for round dies



Code	Desc.	Ø per filiere	L mm
4430031800	373	20.6	200
4430031810	373	25.4	224
4430031820	373	38.1	315
4430031830	373	50.8	560
4430031845	373	20x7	200
4430031850	373	25x9	224
4430031855	373	30x11	280
4430031860	373	38x10	315
4430031865	373	38x14	315
4430031870	373	45x14	450

- Pressed steel and painted.
- DIN 225.
- With the adjustment screws.

## Annular tube



- With two set screws.
- Complete auction.

Code	Desc.	Ø per filiere	L mm
4430042610	476-2	25.4-38.1	190
4430042620	476-3	38.1-50.8	215

4

## Assortimento a filettare metrico per autofficine in HSS-G



- With taps and dies steel hss-g
- In sturdy wooden
- Male Series 3 pcs. (but step)
- Series male 2 pcs. (step mb)
- Contents: Series 3 pcs. : 3x0.5 m; 4x0.7; 5x0.8; 6x1; 7x1; 8x1.25; 10x1.5; 12x1.75; 14x2; 16x2 series 2 pcs. : 8x1 m; 10x1.25; 12x1.25; 12x1.5; 14x1.25; 14x1.5; 16x1.5 Dies round: 3x0.5 m; 4x0.7; 5x0.8; 6x1; 7x1; 8x1; 8x1.25; 10x1.25; 10x1.5; 12x1.25; 12x1.5; 12x1.75; 14x1.25; 14x1.5; 14x2; 16x1.5; 16x2 5 Annular round: 20x7 m; 25x9; 30x11; 38x14; 45x18 2 extensible tap wrench: 2-10 m; 5-21 - 1 tap wrench "T": m 3 ÷ 8

Code	Desc.
4203400750	6016

## Assortment for threading metric HSS-G 3-20



- Assortment of taps and dies HSS-G for the construction of male and female threads from diameter 3 to 20 mm diameter, coarse MA.
- Especially dedicated to industries, garage, maintenance, etc.
- Metal box full of males, dies, sends males, door chains, pitch gauge.
- Content: Males in three passes: M4- M3-M5-M6-M8-M10-M12-M16-M18-M20 M14-. Dies: M4- M3-M5-M6-M8-M10-M12-M16-M18-M20 M14-. # 2 sends males primer: M2-10, M5-21. # 2 sends males extensible: M1- 10, M11-27. # 6 die holder: 20X5, 20x7, 25X9, 30X11, 38X14, 45X18. # 1 screwdriver. # 1 pitch gauge Metric / Whitworth.

Code	Desc.
4203400800	6020

## Assortment thread type Fiat



- Round dies girautensili.
- Metric coarse and fine.
- UNI 4535.
- Taps and dies made of chrome-vanadium.
- Contents: Male series 2 pcs.: 2x0.4 m; 3x0.5; 4x0.7; 5x0.8 6x0.75; 6x1; 7x0.75; 7x1; 8x0.75; 8x1; 8x1.25; 9x0.75 9x1; 9x1.25; 10x0.75; 10x1; 10x1.25; 10x1.5 11x0.75; 11x1; 11x1.25; 11x1.5; 12x0.75; 12x1 12x1.25; 12x1.5; 12x1.75; 14x1; 14x1.25 14x1.5; 14x2; 16x1; 16x1.5; 16x2; 18x1.5 Dies round: m 25.4 (14) 38.1 (21) Annular round 2: 25.4 m; 38.1 2 Tap wrenches: 1-10 m m5-20; 1 tap wrench "T": 3-8 m.

Code	Desc.
4203400100	5990/2

## Assortment Thread metric for industries



- With taps and dies HSS-G DIN.
- In metal box.
- Content: HSS-G DIN 352 series 3 pcs.: M 3; 4; 5; 6; 8; 10; 12 Round Dies HSS-G DIN 223: M 3; 4; 5; 6; 8; 10; 12 5 Annular round DIN 225: M 20x5; 20x7; 25x9; 30x11; 38x14 2 tap wrench DIN 1814: M 10.01; 4-12 1 tap wrench "T": 3-10 M; 1 Screwdriver; 1 pitch gauges 7 drills HSS DIN 338 ø: M 05.02; 3.3; 4.2; 5; 6.8; 8.5; 10.2.

Code	Desc.
4203400700	6000

## Assortment threading UNC and UNF



- In a wooden box.
- With males in series of 2 and 3 pieces.
- Round dies and girautensili.
- American thread UNC-UNF.
- Taps and dies made of chrome-vanadium.
- UNC content: Males: M 04.01; 5/16; 3/8; 7/16; 1/2; 9/16; 5/8; 3/4.
- UNF content: Dies round: M 25.04; 38.1; 50.8 3 Annular round: M 04.25; 38.1; 50.8 2 tap wrench: M 01.16 ÷ 03.08; 7/32 ÷ 3/4.

Code	Desc.
4203400300	5994/4 UNC
4203400400	5995/5 UNF

## Drills in HSS



- To drill and widen plate or tubing from 3 to 50 mm
- For steel, stainless steel, iron, cast iron and plastic
- With center drill

VELOCITA' DI TAGLIO CONSIGLIATE (g/min.)

GRANDEZZA	ACCIAI DURI INOX	ACCIAIO DOLCE	LEGHE LEGGERE	PLASTICA
0	600 - 400	800 - 500	2000 - 1500	3000 - 2000
1	400 - 200	600 - 300	1500 - 800	2000 - 1500
2	200 - 100	400 - 200	1000 - 500	1500 - 1000
3	100 - 80	300 - 150	500 - 300	1000 - 500
4	80 - 50	200 - 100	300 - 200	500 - 200

SI CONSIGLIA DI LUBRIFICARE CON NS. COD. 420 44 00500 - 5YS  
PASTA LUBRIFICANTE O NS. COD. 411 00 01900 - 2605 CUT OIL TAR,  
OLIO DA TAGLIO

Code	Desc.	Cutting capacity mm	Stem mm	Lt mm
4204400200	0	3 - 14	6	58
4204400300	1	6 - 20	8	63
4204400400	2	16 - 30,5	10	79
4204400410	3	26 - 40	13	86
4204400420	4	36 - 50	13	90

## Assortment Drills



- Contents: No. 1 cutter 3-14; n ° 1 cutter 6-20; n ° 1 cutter 26 - 40; No. 1 lubricating paste.

Code	Desc.
4204400100	A 3

## Tapered drill Hss



- Specific to enlarge holes in sheet.
- Ideal for mechanics, motor vehicle electricians and repairers generally.

Code	Desc.	Cutting capacity mm	Ls mm
4204400600	025	0 - 25	40

4

## Tapered Drill stepped HSS-G with helical cutting edges



- Ideal for drilling and enlarge holes on plates in steel, iron, aluminum, brass and plastic.
- Use sectors: electrical, plumbing, maintenance, window fitters, workshops and body shops.
- To work on sheets up to a thickness of 5 mm.
- A self-centering tip for immediate centering of the hole.
- Helical groove that quickly eliminates the chip during processing.

Velocità di taglio consigliate (g/min)

CODICE	OTONE				
	ACCIAIO	FRAGILE	TENACE	LEGGERE	PLASTICA
477 00 05755	1200	2400	1400	1200	1400
477 00 05760	800	1600	920	800	920
477 00 05765	560	1100	650	560	650
477 00 05770	450	900	530	450	530

Code	Desc.	Cutting capacity mm	Ø gambo mm	Leng. mm	N. steps
4770005755	700/4-12	4-12	6	80	9
4770005760	700/4-20	4-20	9	70	9
4770005765	700/4-30	4-30	10	97	13
4770005770	700/4-39	4-39	10	107	13

## Tapered Drill step in HSS



- To drill and widen sheets from 4 to 30mm.
- Fast cutting, high performance.

VELOCITA' DI TAGLIO CONSIGLIATE (g/min.)

ACCIAI DURI INOX	ACCIAIO DOLCE	LEGHE LEGGERE	PLASTICA
50 - 300	80 - 500	200 - 1000	500 - 1500

SI CONSIGLIA DI LUBRIFICARE CON NS. COD. 420 44 00500 - SYS.  
PASTA LUBRIFICANTE O NS. COD. 411 00 01900 - 2605 CUT OIL TAP.  
OLIO DA TAGLIO.

Code	Desc.	Cutting capacity mm	Stem mm	Lt mm
4770000280	28	4 - 30	10	75

## Step drills measures "ISO-PG"



- Drill bits and widen hardened steel with molybdenum.
- Ideal for drilling steel, copper, brass, aluminum, plastic, laminates, wood.
- PG measures for panel builders and electricians.

Code	Desc.	D. Holes mm	N. steps	H. step mm	Stem mm
4430049810	965	6-30,5	7	2,5	13

## Countersinks 90 ° in three cutting edges



- Fully adjusted machining with less vibration deburring and countersink perfect speed 'high processing.
- Countersink HSS-G at 90 ° DIN 335 C. For deburring and countersink holes of alloy and non-alloy aluminum sheet also coated steel, pipes, profiles and Plexiglas up to a thickness of 5 mm.
- Running three sharp fully rectified, provide machining with less vibration, a perfect finish, excellent chipping, and a speed 'high processing.
- Available in standard (HSS) and reporting to titanium (HSS-TIN) for durability and occasional use of stainless steel.
- To use it is recommended lubrication with our cutting oils cod. 411 00 01900 spray, 411 00 14860 liquid.



Code	Desc.	Ø svasat. mm	For screws TPS Ø	Length mm	Ø stem (mm)	Type
4430051400	1039/6,3	6,3	M3	44	5	COUNTERSINKS HSS DIN335C -90 °
4430051410	1039/8,3	8,3	M4	50	6	COUNTERSINKS HSS DIN335C -90 °
4430051420	1039/10,4	10,4	M5	54	6	COUNTERSINKS HSS DIN335C -90 °
4430051430	1039/12,4	12,4	M6	54	8	COUNTERSINKS HSS DIN335C -90 °
4430051440	1039/16,5	16,5	M8	60	10	COUNTERSINKS HSS DIN335C -90 °
4430051450	1039/20,5	20,5	M10	63	10	COUNTERSINKS HSS DIN335C -90 °
4430051460	1039/25	25	M12	66	10	COUNTERSINKS HSS DIN335C -90 °
4430051470	1039/31	31	M16	71	13	COUNTERSINKS HSS DIN335C -90 °
4430051500	1040/6,3	6,3	M3	44	5	COUNTERSINKS HSS DIN335C -90 °
4430051510	1040/8,3	8,3	M4	50	6	COUNTERSINKS HSS DIN335C -90 °
4430051520	1040/10,4	10,4	M5	54	6	COUNTERSINKS HSS DIN335C -90 °
4430051530	1040/12,4	12,4	M6	54	8	COUNTERSINKS HSS DIN335C -90 °
4430051540	1040/16,5	16,5	M8	60	10	COUNTERSINKS HSS DIN335C -90 °
4430051550	1040/20,5	20,5	M10	63	10	COUNTERSINKS HSS DIN335C -90 °
4430051560	1040/25	25	M12	66	10	COUNTERSINKS HSS DIN335C -90 °
4430051570	1040/31	31	M16	71	13	COUNTERSINKS HSS DIN335C -90 °

## Assortment countersink 90 ° with three sharp



Code	Desc.	Tipo di svasatori din 335C-90°	Content
4430051480	1042	HSS	6,3 - 8,3 - 10,4 - 12,4 - 16,5 - 20,5
4430051580	1043	HSS-TIN	6,3 - 8,3 - 10,4 - 12,4 - 16,5 - 20,5

## Countersinks 90 ° with three sharp 1/4 "hexagonal



- Fully adjusted machining with less vibration deburring and countersink perfect speed 'high processing.
- Countersink HSS-G at 90 ° DIN 335 C. For deburring and countersink holes of alloy and non-alloy aluminum sheet also coated steel, pipes, profiles and Plexiglas up to a thickness of 5 mm.
- Running three sharp fully rectified, provide machining with less vibration, a perfect finish, excellent chipping, and a speed 'high processing.
- Hexagonal 1/4 "for the immediate use of cordless drills or grafting of port bits
- To use it is recommended lubrication with our cutting oils cod. 411 00 01900 spray, 411 00 14860 liquid.

Code	Desc.	Ø svasat. mm	For screws TPS Ø	Length mm	Stem attachment
4430051600	1041/6,3	6,3	M3	31	1/4"
4430051610	1041/8,3	8,3	M4	31	1/4"
4430051620	1041/10,4	10,4	M5	34	1/4"
4430051630	1041/12,4	12,4	M6	35	1/4"
4430051640	1041/16,5	16,5	M8	40	1/4"
4430051650	1041/20,5	20,5	M10	41	1/4"

## Assortment countersink 90 ° three-sharp 1/4 "hexagonal



Code	Desc.	Tipo di svasatori din 335C-90°	Content
4430051660	1044	HSS WITH 1/4 "HEXAGONAL	6,3 - 8,3 - 10,4 - 12,4 - 16,5 - 20,5