



*f*rate precision[®]
PROFESSIONAL BRASS MOUTHPIECES

GENERAL
CATALOG



Frate Precision was established in 2006, and is dedicated to the manufacturing of high quality mouthpieces for brass instruments, thanks to both the knowledge and experience of Dario Frate, graduated in trumpet and expert in metalworking.

Frate Precision is located in Traona, Lombardy and offers a wide range of professional mouthpieces for Trumpet, French horn, Flugelhorn, Cornet and Piccolo Trumpet.

DESIGN & SOUND MADE IN ITALY

Our mouthpieces, made only by using high quality brass alloy, 100% pure, guarantee fluidity, richness of sound, easy sound emission, and offer great quality for a great price. Performance and reliability Made in Italy.

6 MODELS, UNLIMITED COMBINATIONS

Frate Precision meets any technical, performing or timbre requirements thanks to the wide range of Rims, Cups, Throats and Backbores available.

Five models for trumpet and, for those who prefer wide cups, we offer 6 big sizes (+ cups) with cup diameters over 17 mm.



CLASSIC model

for trumpet, flugelhorn, cornet and piccolo trumpet



MULTIRIM model

rim in ebonite, or silver/gold plated brass



HEAVY model

for trumpet medium shank, length 80 mm



EXTRA HEAVY model

made up in two threaded parts



FRENCH HORN model



Natural model Baroque trumpet mouthpiece
7 cup diameters, 3 depths, 9 rim shapes, 4 backbores, and 3 throats available



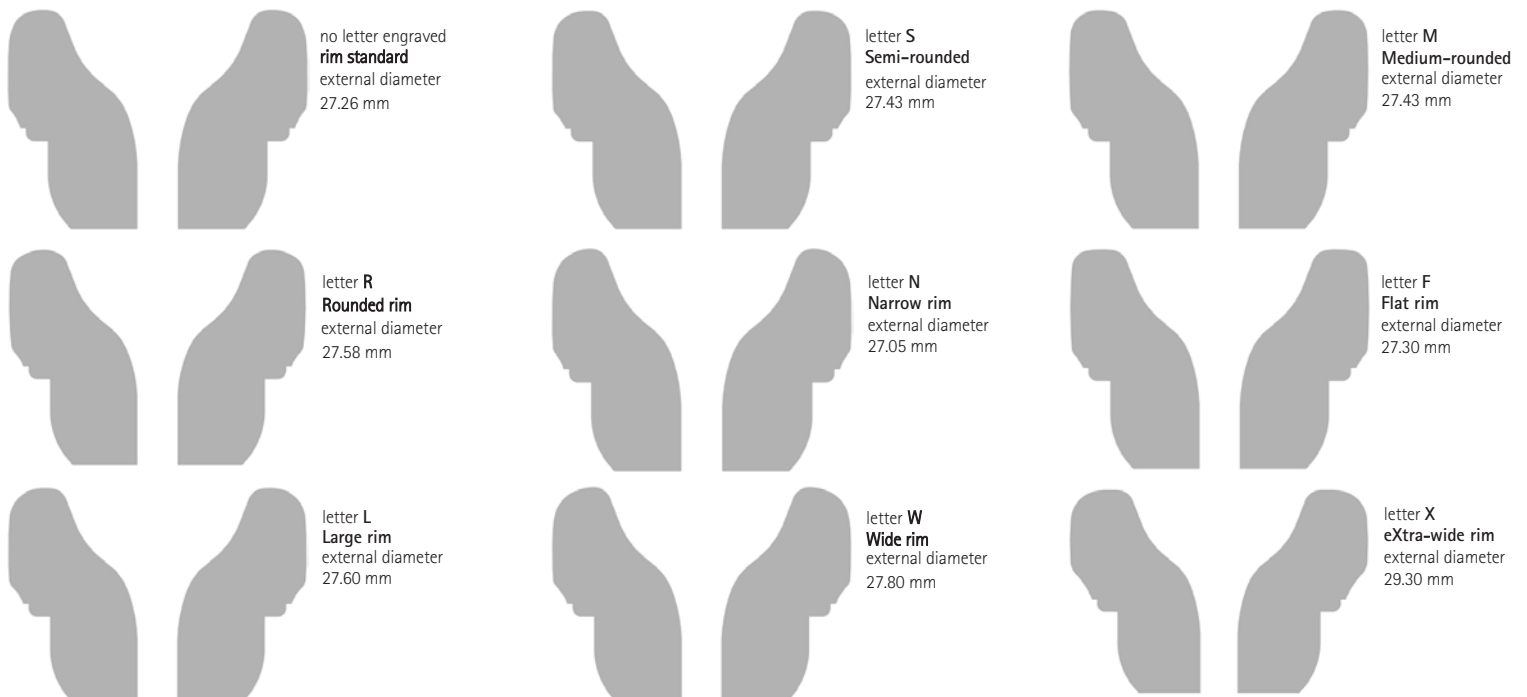
Black Onyx Trimkit for Bach and Yamaha
bottom caps Light 9 mm, Medium 13 mm, or Heavy 20 mm

THE CUP for Trumpet, Flugelhorn, Piccolo trumpet, Cornet

Number from 1+ to 6+ Big cup diameter	Number from 1 to 12 cup diameter	Number from 1 to 12 cup diameter	Number from 1 to 12 cup diameter	First letter engraved after the number depth of the cup
1+ 17.66 mm	1 16.95 mm	7 16.22 mm		Letter L Lead – Extra Shallow
2+ 17.48 mm	2 16.95 mm *	8 16.08 mm		Letter S Shallow
3+ 17.30 mm	3 16.62 mm	9 16.08 mm *		Letter H High cup
4+ 17.30 mm *	4 16.62 mm *	10 15.88 mm		Letter M Medium deep
5+ 17.12 mm	5 16.35 mm	11 15.88 mm *		Letter D Deep
6+ 17.12 mm *	6 16.28 mm *	12 15.60 mm		Letter X eXtra deep

(* V shape of the cup)

THE RIM for Trumpet, Flugelhorn, Piccolo trumpet, Cornet (second letter engraved after the number)



THE THROAT, THE BACKBORE AND THE SHANK

THROAT NUMBER	DIAMETER	DESCRIPTION
no. 0	3.50 mm	Special throat for lead sizes
no. 1	3.58 mm	
no. 2 (standard)	3.66 mm	Standard for Trumpet and P. Trumpet (code not engraved)
no. 3	3.74 mm	Suggested in combination with medium large backbore
no. 4	3.82 mm	
no. 5	3.90 mm	
no. 6	3.98 mm	Suggested in combination with medium large backbore
no. 7 (standard)	4.06 mm	Standard for Flugelhorn and Cornet (code not engraved)
no. 8	4.14 mm	Special throat for Flugelhorn and Cornet
no. 9	4.30 mm	Special throat for French horn
no. 10	4.50 mm	Standard for French horn

NUMBER OF BACKBORE (FOR TRUMPET)	DESCRIPTION
LARGE no. 110 only available for mouthpiece lenght 87,5 mm	Roman number CX engraved on the shank Very open shape, huge and unic sound
MEDIUM LARGE no. 106	Roman number CVI engraved on the shank Full, rich, and open sound
MEDIUM LARGE no. 105	Roman number CV engraved on the shank Warm and homogeneous sound
MEDIUM LARGE no. 102	Roman number CII engraved on the shank Open and resonant sound. Less open than #105 and #106 backbores
MEDIUM no. 101 (standard)	(Backbore no. CI not engraved) Bright sound
SEMI NARROW no. 104	Roman number CIV engraved on the shank Bright and resonant sound
NARROW no. 103 only available for mouthpiece lenght 87,5 mm	Roman number CIII engraved on the shank Bright and edgy sound

CLASSIFICATION OF THE SHANK	DESCRIPTION
standard Trumpet shank for Bb and C TRUMPET	shank code not engraved - lenght of the mouthpiece 87,5 mm
Medium Trumpet shank for Bb and C TRUMPET	M engraved on the shank - lenght of the mouthpiece 80 mm
Short Trumpet shank for Eb TRUMPET and PICCOLO TRUMPET	S engraved on the shank - lenght of the mouthpiece 74,5 mm
PICCOLO TRUMPET Cornet shank	P engraved on the shank
FLUGELHORN Small shank	F engraved on the shank
FLUGELHORN Large shank	FL engraved on the shank
CORNET Standard shank	CO engraved on the shank
CORNET Short shank	shank code not engraved



TECHNICAL CHARACTERISTICS

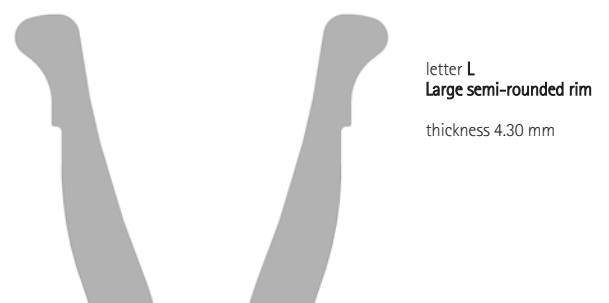
THE CUP for French Horn

Number from
1 to 16
cup diameter

First letter
engraved after the number
depth of the cup

1	18.48 mm	5	17.52 mm	11	16.62 mm	
1+	18.30 mm	6	17.52 mm	12	16.62 mm	Letter H High cup
2	18.48 mm	7	17.30 mm	13	16.22 mm	Letter M Medium deep
2+	18.30 mm	8	17.30 mm	14	16.22 mm	Letter D Deep
3	18.12 mm	9	16.95 mm	15	15.88 mm	
3+	17.82 mm	10	16.95 mm	16	15.88 mm	
4	18.12 mm					
4+	17.82 mm					

THE RIM for French Horn (second letter engraved after the number)



TRUMPET BIG CUPS (size from no. 1+ to no. 6+)

Wide size no.	Cup diameter	Depth of the cup	Notes
1+ D-3-106	17.66 mm	Deep	Throat n. 3 (3,74 mm) – Medium-large backbore #106 - Standard rim
1+ M	17.66 mm	Medium deep	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
1+ M-3-106	17.66 mm	Medium deep	Throat n. 3 (3,74 mm) – Medium-large backbore #106 - Standard rim
1+ ML	17.66 mm	Medium deep	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Large rim
1+ ML-3-106	17.66 mm	Medium deep	Throat n. 3 (3,74 mm) – Medium-large backbore #106 - Large rim
1+ MW-3-106	17.66 mm	Medium deep	Throat n. 3 (3,74 mm) – Medium-large backbore #106 - Wide rim
2+ D	17.48 mm	Deep	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
2+ D-3-106	17.48 mm	Deep	Throat n. 3 (3,74 mm) – Medium-large backbore #106 - Standard rim
2+ M	17.48 mm	Medium deep	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
2+ M-3-106	17.48 mm	Medium deep	Throat n. 3 (3,74 mm) – Medium-large backbore #106 - Standard rim
2+ ML	17.48 mm	Medium deep	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Large rim
2+ ML-3-106	17.48 mm	Medium deep	Throat n. 3 (3,74 mm) – Medium-large backbore #106 - Large rim
3+ D	17.30 mm	Deep	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
3+ D-3-106	17.30 mm	Deep	Throat n. 3 (3,74 mm) – Medium-large backbore #106 - Standard rim
3+ DS	17.30 mm	Deep	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Semirounded rim
3+ DM	17.30 mm	Deep	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Medium rim
3+ DL-3-106	17.30 mm	Deep	Throat n. 3 (3,74 mm) – Medium-large backbore #106 - Large rim
3+ DL-6-106	17.30 mm	Deep	Throat n. 6 (3,98 mm) – Medium-large backbore #106 - Large rim
3+ M	17.30 mm	Medium deep	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
3+ M-3-102	17.30 mm	Medium deep	Throat n. 3 (3,74 mm) – Medium-large backbore #102 - Standard rim
3+ M-3-106	17.30 mm	Medium deep	Throat n. 3 (3,74 mm) – Medium-large backbore #106 - Standard rim
3+ M-6-106	17.30 mm	Medium deep	Throat n. 6 (3,98 mm) – Medium-large backbore #106 - Standard rim
3+ ML-6-106	17.30 mm	Medium deep	Throat n. 6 (3,98 mm) – Medium-large backbore #106 - Large rim
4+ D-3-106	17.30 mm	Deep	V shape of the cup - Throat n. 3 (3,74 mm) - Medium-large backbore #106 - Standard rim
4+ D-5-110	17.30 mm	Deep	V shape of the cup - Throat n. 5 (3,90 mm) - Extra-large backbore #110 - Standard rim
4+ M	17.30 mm	Medium deep	V shape of the cup - Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
4+ M-3-102	17.30 mm	Medium deep	V shape of the cup - Throat n. 3 (3,74 mm) - Medium-large backbore #102 - Standard rim
4+ M-3-106	17.30 mm	Medium deep	V shape of the cup - Throat n. 3 (3,74 mm) - Medium-large backbore #106 - Standard rim
4+ H-106	17.30 mm	High cup	V shape of the cup - Standard throat n. 2 (3,66 mm) - Medium-large backbore #106 - Standard rim
5+ D-3-106	17.12 mm	Deep	Throat n. 3 (3,74 mm) – Medium-large backbore #106 - Standard rim
5+ D-6-106	17.12 mm	Deep	Throat n. 6 (3,98 mm) – Medium-large backbore #106 - Standard rim
5+ DS	17.12 mm	Deep	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Semirounded rim
5+ DS-3-106	17.12 mm	Deep	Throat n. 3 (3,74 mm) – Medium-large backbore #106 - Semirounded rim
5+ DM	17.12 mm	Deep	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Medium rim
5+ DM-3-106	17.12 mm	Deep	Throat n. 3 (3,74 mm) – Medium-large backbore #106 - Medium rim
5+ M	17.12 mm	Medium deep	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
5+ M-3-106	17.12 mm	Medium deep	Throat n. 3 (3,74 mm) – Medium-large backbore #106 - Standard rim
5+ M-6-106	17.12 mm	Medium deep	Throat n. 6 (3,98 mm) – Medium-large backbore #106 - Standard rim
5+ ML-6	17.12 mm	Medium deep	Throat n. 6 (3,98 mm) – Standard backbore #101 - Large rim
5+ ML-6-106	17.12 mm	Medium deep	Throat n. 6 (3,98 mm) – Medium-large backbore #106 - Large rim
5+ H-106	17.12 mm	Medium deep	Standard throat n. 2 (3,66 mm) - Medium-large backbore #106 - Standard rim
5+ L	17.12 mm	Lead - Extra Shallow	Throat Lead n. 0 (3,50 mm) - Standard backbore #101 - Standard rim
6+ D-3-106	17.12 mm	Deep	V shape of the cup - Throat n. 3 (3,74 mm) - Medium-large backbore #106 - Standard rim
6+ D-5-110	17.12 mm	Deep	V shape of the cup - Throat n. 5 (3,90 mm) - Extra-large backbore #110 - Standard rim
6+ M	17.12 mm	Medium deep	V shape of the cup - Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
6+ M-3-102	17.12 mm	Medium deep	V shape of the cup - Throat n. 3 (3,74 mm) - Medium-large backbore #102 - Standard rim
6+ M-3-105	17.12 mm	Medium deep	V shape of the cup - Throat n. 3 (3,74 mm) - Medium-large backbore #105 - Standard rim
6+ M-3-106	17.12 mm	Medium deep	V shape of the cup - Throat n. 3 (3,74 mm) - Medium-large backbore #106 - Standard rim
6+ M-6-106	17.12 mm	Medium deep	V shape of the cup - Throat n. 6 (3,98 mm) - Medium-large backbore #106 - Standard rim
6+ H-106	17.12 mm	High cup	V shape of the cup - Standard throat n. 2 (3,66 mm) - Medium-large backbore #106 - Standard rim
6+ S-106	17.12 mm	Shallow cup	V shape of the cup - Standard throat n. 2 (3,66 mm) - Medium-large backbore #106 - Standard rim
6+ L	17.12 mm	Lead - Extra Shallow	V shape of the cup - Throat Lead n. 0 (3,50 mm) - Standard backbore #101 - Standard rim

TRUMPET MEDIUM AND SMALL CUPS (size from no. 1 to no. 12)

Size no.	Cup diameter	Depth of the cup	Notes
1 D	16.95 mm	Deep	Standard throat n. 2 (3,66 mm) – Standard backbore #101 – Standard rim
1 D-3-105	16.95 mm	Deep	Throat n. 3 (3,74 mm) – Medium-large backbore #105 – Standard rim
1 D-3-106	16.95 mm	Deep	Throat n. 3 (3,74 mm) – Medium-large backbore #106 – Standard rim
1 DN-3-105	16.95 mm	Deep	Throat n. 3 (3,74 mm) – Medium-large backbore #105 – Narrow rim
1 DN-6-106	16.95 mm	Deep	Throat n. 6 (3,98 mm) – Medium-large backbore #106 – Narrow rim
1 M	16.95 mm	Medium deep	Standard throat n. 2 (3,66 mm) – Standard backbore #101 – Standard rim
1 M-3-102	16.95 mm	Medium deep	Throat n. 3 (3,74 mm) – Medium-large backbore #102 – Standard rim
1 M-3-105	16.95 mm	Medium deep	Throat n. 3 (3,74 mm) – Medium-large backbore #105 – Standard rim
1 M-3-106	16.95 mm	Medium deep	Throat n. 3 (3,74 mm) – Medium-large backbore #106 – Standard rim
1 M-6-106	16.95 mm	Medium deep	Throat n. 6 (3,98 mm) – Medium-large backbore #106 – Standard rim
1 MS	16.95 mm	Medium deep	Standard throat n. 2 (3,66 mm) – Standard backbore #101 – Semirounded rim
1 MS-3-106	16.95 mm	Medium deep	Throat n. 3 (3,74 mm) – Medium-large backbore #106 – Semirounded rim
1 MM-3-106	16.95 mm	Medium deep	Throat n. 3 (3,74 mm) – Medium-large backbore #106 – Medium rim
1 ML-6-106	16.95 mm	Medium deep	Throat n. 6 (3,98 mm) – Medium-large backbore #106 – Large rim
1 MN-3-105	16.95 mm	Medium deep	Throat n. 3 (3,74 mm) – Medium-large backbore #105 – Narrow rim
1 MN-6-106	16.95 mm	Medium deep	Throat n. 6 (3,98 mm) – Medium-large backbore #106 – Narrow rim
1 H-106	16.95 mm	High cup	Standard throat n. 2 (3,66 mm) – Medium-large backbore #106 – Standard rim
1 HF	16.95 mm	High cup	Standard throat n. 2 (3,66 mm) – Standard backbore #101 – Flat rim
1 HF-104	16.95 mm	High cup	Standard throat n. 2 (3,66 mm) – Semi-narrow backbore #104 – Standard rim
1 HM-104	16.95 mm	High cup	Standard throat n. 2 (3,66 mm) – Semi-narrow backbore #104 – Medium rim
1 HM-106	16.95 mm	High cup	Standard throat n. 2 (3,66 mm) – Medium-large backbore #106 – Medium rim
1 HL-106	16.95 mm	High cup	Standard throat n. 2 (3,66 mm) – Medium-large backbore #106 – Large rim
1 S	16.95 mm	Shallow	Standard throat n. 2 (3,66 mm) – Standard backbore #101 – Standard rim
1 S-106	16.95 mm	Shallow	Standard throat n. 2 (3,66 mm) – Medium-large backbore #106 – Standard rim
1 SL-106	16.95 mm	Shallow	Standard throat n. 2 (3,66 mm) – Medium-large backbore #106 – Large rim
1 L	16.95 mm	Lead - Extra Shallow	Throat Lead n. 0 (3,50 mm) – Standard backbore #101 – Standard rim
2 D-3-106	16.95 mm	Deep	V shape of the cup - Throat n. 3 (3,74 mm) - Medium-large backbore #106 - Standard rim
2 D-5-110	16.95 mm	Deep	V shape of the cup - Throat n. 5 (3,90 mm) - Extra-large backbore #110 - Standard rim
2 M	16.95 mm	Medium deep	V shape of the cup - Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
2 M-3-106	16.95 mm	Medium deep	V shape of the cup - Throat n. 3 (3,74 mm) - Medium-large backbore #106
2 M-6-106	16.95 mm	Medium deep	V shape of the cup - Throat n. 6 (3,98 mm) - Medium-large backbore #106
2 H	16.95 mm	High cup	V shape of the cup - Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
3 D-3-106	16.62 mm	Deep	Throat n. 3 (3,74 mm) – Medium-large backbore #106 Standard rim
3 M	16.62 mm	Medium deep	Standard throat n. 2 (3,66 mm) – Standard backbore #101 – Standard rim
3 M-3-102	16.62 mm	Medium deep	Throat n. 3 (3,74 mm) – Medium-large backbore #102 – Standard rim
3 M-3-105	16.62 mm	Medium deep	Throat n. 3 (3,74 mm) – Medium-large backbore #105 – Standard rim
3 M-3-106	16.62 mm	Medium deep	Throat n. 3 (3,74 mm) – Medium-large backbore #106 – Standard rim
3 M-6-106	16.62 mm	Medium deep	Throat n. 6 (3,98 mm) – Medium-large backbore #106 – Standard rim
3 ML-3-106	16.62 mm	Medium deep	Throat n. 3 (3,74 mm) – Medium-large backbore #106 - Large rim
3 ML-6-106	16.62 mm	Medium deep	Throat n. 6 (3,98 mm) – Medium-large backbore #106 - Large rim
3 MW-3-106	16.62 mm	High cup	Throat n. 3 (3,74 mm) – Medium-large backbore #106 – Wide rim
3 H	16.62 mm	High cup	Standard throat n. 2 (3,66 mm) – Standard backbore #101 – Standard rim
3 H-106	16.62 mm	High cup	Standard throat n. 2 (3,66 mm) – Medium-large backbore #106 – Standard rim
3 HF	16.62 mm	High cup	Standard throat n. 2 (3,66 mm) – Standard backbore #101 – Flat rim
3 HM-106	16.62 mm	High cup	Standard throat n. 2 (3,66 mm) – Medium-large backbore #106 – Medium rim
3 S	16.62 mm	Shallow	Standard throat n. 2 (3,66 mm) – Standard backbore #101 – Standard rim
3 S-103	16.62 mm	Shallow	Standard throat n. 2 (3,66 mm) – Narrow backbore #103 – Standard rim
3 L	16.62 mm	Lead - Extra Shallow	Throat Lead n. 0 (3,50 mm) – Standard backbore #101 – Standard rim

TRUMPET MEDIUM AND SMALL CUPS (size from no. 1 to no. 12)

Size no.	Cup diameter	Depth of the cup	Notes
4 D-3-106	16.62 mm	Deep	V shape of the cup - Throat n. 3 (3,74 mm) - Medium-large backbore #106 - Standard rim
4 D-5-110	16.62 mm	Deep	V shape of the cup - Throat n. 5 (3,90 mm) - Extra-large backbore #110 - Standard rim
4 M	16.62 mm	Medium deep	V shape of the cup - Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
4 M-3-106	16.62 mm	Medium deep	V shape of the cup - Throat n. 3 (3,74 mm) - Medium large backbore #106 - Standard rim
4 H-106	16.62 mm	High cup	V shape of the cup - Standard throat n. 2 (3,66 mm) - Medium-large backbore #106 - Standard rim
5 M	16.35 mm	Medium deep	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
5 ML-6-106	16.35 mm	Medium deep	Throat n. 6 (3,98 mm) - Medium-large backbore #106 - Large rim
5 M-3-102	16.35 mm	Medium deep	Throat n. 3 (3,74 mm) - Medium-large backbore #102 - Standard rim
5 M-3-105	16.35 mm	Medium deep	Throat n. 3 (3,74 mm) - Medium-large backbore #105 - Standard rim
5 M-3-106	16.35 mm	Medium deep	Throat n. 3 (3,74 mm) - Medium-large backbore #106 - Standard rim
5 HM-106	16.35 mm	High cup	Standard throat n. 2 (3,66 mm) - Medium-large backbore #106 - Medium rim
5 HW-106	16.35 mm	High cup	Standard throat n. 2 (3,66 mm) - Medium-large backbore #106 - Wide rim
5 L	16.35 mm	Lead - Extra Shallow	Throat Lead n. 0 (3,50 mm) - Standard backbore #101 - Standard rim
6 D-3-106	16.28 mm	Deep	V shape of the cup - Throat n. 3 (3,74 mm) - Medium-large backbore #106 - Standard rim
6 D-5-110	16.28 mm	Deep	V shape of the cup - Throat n. 5 (3,90 mm) - Extra-large backbore #110 - Standard rim
6 M	16.28 mm	Medium deep	V shape of the cup - Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
6 M-3-106	16.28 mm	Medium deep	V shape of the cup - Throat n. 3 (3,74 mm) - Medium-large backbore #106 - Standard rim
6 H	16.28 mm	High cup	V shape of the cup - Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
6 H-106	16.28 mm	High cup	V shape of the cup - Standard throat n. 2 (3,66 mm) - Medium-large backbore #106 - Standard rim
7 M	16.22 mm	Medium deep	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
7 M-3-102	16.22 mm	Medium deep	Throat n. 3 (3,74 mm) - Medium-large backbore #102 - Standard rim
7 M-3-106	16.22 mm	Medium deep	Throat n. 3 (3,74 mm) - Medium-large backbore #106 - Standard rim
7 MW-3-106	16.22 mm	Medium deep	Throat n. 3 (3,74 mm) - Medium-large backbore #106 - Wide rim
7 H	16.22 mm	High cup	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
7 HF	16.22 mm	High cup	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Flat rim
7 HM-106	16.22 mm	High cup	Standard throat n. 2 (3,66 mm) - Medium-large backbore #106 - Medium rim
7 HW-106	16.22 mm	Shallow	Standard throat n. 2 (3,66 mm) - Medium-large backbore #106 - Wide rim
7 S	16.22 mm	Shallow	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
7 L	16.22 mm	Lead - Extra Shallow	Throat Lead n. 0 (3,50 mm) - Standard backbore #101 - Standard rim
8 M	16.08 mm	Medium deep	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
8 H	16.08 mm	High cup	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
8 S	16.08 mm	Shallow	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
10 M	15.88 mm	Medium deep	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
10 M-3-106	15.88 mm	Medium deep	Throat n. 3 (3,74 mm) - Medium-large backbore #106 - Standard rim
10 H	15.88 mm	High cup	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
10 SF	15.88 mm	Shallow	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Flat rim
10 SF-106	15.88 mm	Shallow	Standard throat n. 2 (3,66 mm) - Medium-large backbore #106 - Flat rim
11 S-103	15.88 mm	Shallow	Standard throat n. 2 (3,66 mm) - Narrow backbore #103 - Standard rim
12 H	15.60 mm	High cup	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
12 HF	15.60 mm	High cup	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Flat rim
12 HM	15.60 mm	High cup	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Medium rim
12 S	15.60 mm	Shallow	Standard throat n. 2 (3,66 mm) - Standard backbore #101 - Standard rim
12 SF-106	15.60 mm	Shallow	Standard throat n. 2 (3,66 mm) - Medium-large backbore #106 - Flat rim

FLUGELHORN AND CORNET BIG CUPS (size from no. 1+ to no. 6+)

Wide size no.	Cup diameter	Depth of the cup	Notes
5+ X	17.12 mm	Extra deep - V shape	Standard rim - Extreme deep cup - Throat n. 10 (4,50 mm)
5+ D	17.12 mm	Deep - U shape	Standard rim - Throat n. 7 standard (4.06 mm)
6+ X	17.12 mm	Extra deep - V shape	Standard rim - Throat n. 7 standard (4.06 mm)
6+ D	17.12 mm	Deep - V shape	Standard rim - Throat n. 7 standard (4.06 mm)
6+ M	17.12 mm	Medium deep - V shape	Standard rim - Throat n. 7 standard (4.06 mm)

FLUGELHORN AND CORNET MEDIUM AND SMALL CUPS (size from no. 1 to no. 9)

Size no.	Cup diameter	Depth of the cup	Notes
1 X	16.95 mm	Extra deep - V shape	Standard rim - Extreme deep cup - Throat n. 10 (4,50 mm)
1 XS	16.95 mm	Extra deep - V shape	Semirounded rim - Extreme deep cup - Throat n. 10 (4,50 mm)
1 XM	16.95 mm	Extra deep - V shape	Medium rim - Extreme deep cup - Throat n. 10 (4,50 mm)
1 D	16.95 mm	Deep - U shape	Standard rim - Throat n. 7 standard (4.06 mm)
1 DS	16.95 mm	Deep - U shape	Semirounded rim - Throat n. 7 standard (4.06 mm)
1 DM	16.95 mm	Deep - U shape	Medium rim - Throat n. 7 standard (4.06 mm)
1 M	16.95 mm	Medium deep - C shape	Standard rim - Throat n. 7 standard (4.06 mm)
1 MS	16.95 mm	Medium deep - C shape	Semirounded rim - Throat n. 7 standard (4.06 mm)
1 MM	16.95 mm	Medium deep - C shape	Medium rim - Throat n. 7 standard (4.06 mm)
1 ML	16.95 mm	Medium deep - C shape	Large rim - Throat n. 7 standard (4.06 mm)
1 MN	16.95 mm	Medium deep - C shape	Narrow rim - Throat n. 7 standard (4.06 mm)
1 H-2	16.95 mm	High cup - C shape	Standard rim - Throat n. 2 (3,66 mm) for Cornet soloist
2 X	16.95 mm	Extra deep - V shape	Standard rim - Throat n. 7 standard (4.06 mm)
2 XS	16.95 mm	Extra deep - V shape	Semirounded rim - Throat n. 7 standard (4.06 mm)
2 XM	16.95 mm	Extra deep - V shape	Medium rim - Throat n. 7 standard (4.06 mm)
2 D	16.95 mm	Deep - V shape	Standard rim - Throat n. 7 standard (4.06 mm)
2 M	16.95 mm	Medium deep - V shape	Standard rim - Throat n. 7 standard (4.06 mm)
2 MS	16.95 mm	Medium deep - V shape	Semirounded rim - Throat n. 7 standard (4.06 mm)
2 MM	16.95 mm	Medium deep - V shape	Medium rim - Throat n. 7 standard (4.06 mm)
2 H	16.95 mm	High cup - V shape	Standard rim - Throat n. 7 standard (4.06 mm)
2 HS	16.95 mm	High cup - V shape	Semirounded rim - Throat n. 7 standard (4.06 mm)
3 X	16.62 mm	Extra deep - V shape	Standard rim - Extreme deep cup - Throat n. 10 (4,50 mm)
3 XS	16.62 mm	Extra deep - V shape	Semirounded rim - Extreme deep cup - Throat n. 10 (4,50 mm)
3 D	16.62 mm	Deep - U shape	Standard rim - Throat n. 7 standard (4.06 mm)
3 DM	16.62 mm	Deep - U shape	Medium rim - Throat n. 7 standard (4.06 mm)
3 M	16.62 mm	Medium deep - C shape	Standard rim - Throat n. 7 standard (4.06 mm)
3 MS	16.62 mm	Medium deep - C shape	Semirounded rim - Throat n. 7 standard (4.06 mm)
3 MM	16.62 mm	Medium deep - C shape	Medium rim - Throat n. 7 standard (4.06 mm)
3 H-2	16.62 mm	High cup - C shape	Standard rim - Throat n. 2 (3,66 mm) for Cornet soloist
4 X	16.62 mm	Extra deep - V shape	Standard rim - Throat n. 7 standard (4.06 mm)
4 D	16.62 mm	Deep - V shape	Standard rim - Throat n. 7 standard (4.06 mm)
4 DM	16.62 mm	Deep - V shape	Medium rim - Throat n. 7 standard (4.06 mm)
4 M	16.62 mm	Medium deep - V shape	Standard rim - Throat n. 7 standard (4.06 mm)
4 MS	16.62 mm	Medium deep - V shape	Semirounded rim - Throat n. 7 standard (4.06 mm)
4 MM	16.62 mm	Medium deep - V shape	Medium rim - Throat n. 7 standard (4.06 mm)
4 H	16.62 mm	High cup - V shape	Standard rim - Throat n. 7 standard (4.06 mm)
4 HS	16.62 mm	High cup - V shape	Semirounded rim - Throat n. 7 standard (4.06 mm)
5 X	16.35 mm	Extra deep - V shape	Standard rim - Extreme deep cup - Throat n. 10 (4,50 mm)
5 DS	16.35 mm	Deep - U shape	Semirounded rim - Throat n. 7 standard (4.06 mm)
5 DM	16.35 mm	Deep - U shape	Medium rim - Throat n. 7 standard (4.06 mm)
5 M	16.35 mm	Medium deep - C shape	Standard rim - Throat n. 7 standard (4.06 mm)
5 MS	16.35 mm	Medium deep - C shape	Semirounded rim - Throat n. 7 standard (4.06 mm)
5 MM	16.35 mm	Medium deep - C shape	Medium rim - Throat n. 7 standard (4.06 mm)
5 H-2	16.35 mm	High cup - C shape	Standard rim - Throat n. 2 (3,66 mm) for Cornet soloist

FLUGELHORN AND CORNET MEDIUM AND SMALL CUPS (size from no. 1 to no. 9)

Size no.	Cup diameter	Depth of the cup	Notes
6 D	16.28 mm	Deep - V shape	Standard rim - Throat n. 7 standard (4.06 mm)
6 M	16.28 mm	Medium deep - V shape	Standard rim - Throat n. 7 standard (4.06 mm)
7 D	16.22 mm	Deep - U shape	Standard rim - Throat n. 7 standard (4.06 mm)
7 DM	16.22 mm	Deep - U shape	Medium rim - Throat n. 7 standard (4.06 mm)
7 M	16.22 mm	Medium deep - C shape	Standard rim - Throat n. 7 standard (4.06 mm)
7 MS	16.22 mm	Medium deep - C shape	Semirounded rim - Throat n. 7 standard (4.06 mm)
7 MM	16.22 mm	Medium deep - C shape	Medium rim - Throat n. 7 standard (4.06 mm)
7 MN	16.22 mm	Medium deep - C shape	Narrow rim - Throat n. 7 standard (4.06 mm)
7 H-2	16.22 mm	High cup - C shape	Standard rim - Throat n. 2 (3,66 mm) for Cornet soloist
8 M	16.08 mm	Medium deep - C shape	Standard rim - Throat n. 7 standard (4.06 mm)
9 M	16.08 mm	Medium deep - V shape	Standard rim - Throat n. 7 standard (4.06 mm)

NATURAL model - Baroque trumpet cups

1 M	17.48 mm	Medium deep - C shape	Available options: Cup depth: High - Medium - Deep Rim: standard - S - M - R - N - F - L - W - X Throat: n. 4 (3,82 mm) n. 6 (3,98 mm) n. 8 (4,14 mm) Backbore: Medium #101 (standard) - Medium large #105 - Medium large #106 - Large #110
2 M	17.30 mm	Medium deep - C shape	
3 M	17.12 mm	Medium deep - C shape	
4 M	16.95 mm	Medium deep - C shape	
5 M	16.62 mm	Medium deep - C shape	
6 M	16.35 mm	Medium deep - C shape	
7 M	16.22 mm	Medium deep - C shape	

PICCOLO TRUMPET MEDIUM AND SMALL CUPS (size from no. 1 to no. 12)

Size no.	Cup diameter	Depth of the cup	Notes
1 M	16.95 mm	Medium deep	Standard rim and throat
1 MS	16.95 mm	Medium deep	Semirounded rim, standard throat
1 MM	16.95 mm	Medium deep	Medium rim, standard throat
1 HS	16.95 mm	High cup	Semirounded rim, standard throat
1 HL	16.95 mm	High cup	Large rim, standard throat
2 M	16.95 mm	Medium deep	V shape of the cup for piccolo trumpet - Standard rim and throat
2 MS	16.95 mm	Medium deep	V shape of the cup for piccolo trumpet - Semirounded rim, standard throat
2 MM	16.95 mm	Medium deep	V shape of the cup for piccolo trumpet - Medium rim, standard throat
2 H	16.95 mm	High cup	V shape of the cup for piccolo trumpet - Standard rim and throat
2 HS	16.95 mm	High cup	V shape of the cup for piccolo trumpet - Semirounded rim, standard throat
3 M	16.62 mm	Medium deep	Standard rim and throat
3 MS	16.62 mm	Medium deep	Semirounded rim, standard throat
3 MM	16.62 mm	Medium deep	Medium rim, standard throat
3 ML	16.62 mm	Medium deep	Large rim, standard throat
3 H	16.62 mm	High cup	Standard rim and throat
3 HS	16.62 mm	High cup	Semirounded rim, standard throat
3 HM	16.62 mm	High cup	Medium rim, standard throat
3 HW	16.62 mm	High cup	Wide rim, standard throat
4 M	16.62 mm	Medium deep	V shape of the cup for piccolo trumpet - Standard rim and throat
4 MS	16.62 mm	Medium deep	V shape of the cup for piccolo trumpet - Semirounded rim, standard throat
4 MM	16.62 mm	Medium deep	V shape of the cup for piccolo trumpet - Medium rim, standard throat
4 H	16.62 mm	High cup	V shape of the cup for piccolo trumpet - Standard rim and throat
4 HS	16.62 mm	High cup	V shape of the cup for piccolo trumpet - Semirounded rim, standard throat
5 M	16.35 mm	Medium deep	Standard rim and throat
5 MM	16.35 mm	Medium deep	Medium rim, standard throat
5 ML	16.35 mm	Medium deep	Large rim, standard throat
5 H	16.35 mm	High cup	Standard rim and throat
5 HS	16.35 mm	High cup	Semirounded rim, standard throat
5 HS-1	16.35 mm	High cup	Throat no. 1 (3,58 mm) - Semirounded rim
5 HF-1	16.35 mm	High cup	Throat no. 1 (3,58 mm) - Flat rim

PICCOLO TRUMPET MEDIUM AND SMALL CUPS (size from no. 1 to no. 12)

Size no.	Cup diameter	Depth of the cup	Notes
5 HM	16.35 mm	High cup	Medium rim, standard throat
5 HM-1	16.35 mm	High cup	Throat no. 1 (3,58 mm) – Medium rim
5 HW	16.35 mm	High cup	Wide rim, standard throat
5 HW-1	16.35 mm	High cup	Throat no. 1 (3,58 mm) – Wide rim
5 SF-1	16.35 mm	Shallow	Throat no. 1 (3,58 mm) – Flat rim
6 M	16.28 mm	Medium deep	V shape of the cup for piccolo trumpet – Standard rim and throat
6 H	16.28 mm	High cup	V shape of the cup for piccolo trumpet – Standard rim and throat
7 M	16.22 mm	Medium deep	Standard rim and throat
7 MM	16.22 mm	Medium deep	Medium rim, standard throat
7 H	16.22 mm	High cup	Standard rim and throat
7 HS	16.22 mm	High cup	Semirounded rim, standard throat
7 HS-1	16.22 mm	High cup	Throat no. 1 (3,58 mm) – Semirounded rim
7 HM	16.22 mm	High cup	Medium rim, standard throat
7 HW	16.22 mm	High cup	Wide rim, standard throat
7 S	16.22 mm	Shallow	Standard rim and throat
8 M	16.08 mm	Medium deep	Standard rim and throat
8 H	16.08 mm	High cup	Standard rim and throat
9 M	16.08 mm	Medium deep	V shape of the cup for piccolo trumpet – Standard rim and throat
9 H	16.08 mm	High cup	V shape of the cup for piccolo trumpet – Standard rim and throat
10 M	15.88 mm	Medium deep	Standard rim and throat
10 H	15.88 mm	High cup	Standard rim and throat
10 SF	15.88 mm	Shallow	Flat rim, standard throat
12 M	15.60 mm	Medium deep	Standard rim and throat
12 H	15.60 mm	High cup	Standard rim and throat

FRENCH HORN WIDE, MEDIUM AND SMALL CUPS (size from no. 1 to no. 16)

Size no.	Cup diameter	Depth of the cup	Notes
1 D	18.48 mm	Deep	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
1 DS	18.48 mm	Deep	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
1 DF	18.48 mm	Deep	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
1 DL	18.48 mm	Deep	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
1 M	18.48 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
1 MS	18.48 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
1 MF	18.48 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
1 ML	18.48 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
1 H	18.48 mm	High cup	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
1 HS	18.48 mm	High cup	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
1 HF	18.48 mm	High cup	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
1 HL	18.48 mm	High cup	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
1+ D	18.30 mm	Deep	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
1+ DS	18.30 mm	Deep	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
1+ DF	18.30 mm	Deep	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
1+ DL	18.30 mm	Deep	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
1+ M	18.30 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
1+ MS	18.30 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
1+ MF	18.30 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
1+ ML	18.30 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
1+ H	18.30 mm	High cup	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
1+ HS	18.30 mm	High cup	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
1+ HF	18.30 mm	High cup	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
1+ HL	18.30 mm	High cup	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
2 D	18.48 mm	Deep	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
2 DS	18.48 mm	Deep	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
2 DF	18.48 mm	Deep	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
2 DL	18.48 mm	Deep	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)

FRENCH HORN WIDE, MEDIUM AND SMALL CUPS (size from no. 1 to no. 16)

Size no.	Cup diameter	Depth of the cup	Notes
2 M	18.48 mm	Medium deep	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
2 MS	18.48 mm	Medium deep	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
2 MF	18.48 mm	Medium deep	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
2 ML	18.48 mm	Medium deep	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
2 H	18.48 mm	High cup	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
2 HS	18.48 mm	High cup	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
2 HF	18.48 mm	High cup	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
2 HL	18.48 mm	High cup	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
2+ D	18.30 mm	Deep	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
2+ DS	18.30 mm	Deep	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
2+ DF	18.30 mm	Deep	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
2+ DL	18.30 mm	Deep	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
2+ M	18.30 mm	Medium deep	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
2+ MS	18.30 mm	Medium deep	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
2+ MF	18.30 mm	Medium deep	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
2+ ML	18.30 mm	Medium deep	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
2+ H	18.30 mm	High cup	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
2+ HS	18.30 mm	High cup	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
2+ HF	18.30 mm	High cup	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
2+ HL	18.30 mm	High cup	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
3 D	18.12 mm	Deep	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
3 DS	18.12 mm	Deep	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
3 DF	18.12 mm	Deep	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
3 DL	18.12 mm	Deep	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
3 M	18.12 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
3 MS	18.12 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
3 MF	18.12 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
3 ML	18.12 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
3 H	18.12 mm	High cup	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
3 HS	18.12 mm	High cup	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
3 HF	18.12 mm	High cup	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
3 HL	18.12 mm	High cup	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
3+ D	17.82 mm	Deep	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
3+ DS	17.82 mm	Deep	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
3+ DF	17.82 mm	Deep	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
3+ DL	17.82 mm	Deep	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
3+ M	17.82 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
3+ MS	17.82 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
3+ MF	17.82 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
3+ ML	17.82 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
3+ H	17.82 mm	High cup	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
3+ HS	17.82 mm	High cup	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
3+ HF	17.82 mm	High cup	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
3+ HL	17.82 mm	High cup	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
4 D	18.12 mm	Deep	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
4 DS	18.12 mm	Deep	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
4 DF	18.12 mm	Deep	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
4 DL	18.12 mm	Deep	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
4 M	18.12 mm	Medium deep	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
4 MS	18.12 mm	Medium deep	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
4 MF	18.12 mm	Medium deep	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
4 ML	18.12 mm	Medium deep	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
4 H	18.12 mm	High cup	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
4 HS	18.12 mm	High cup	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
4 HF	18.12 mm	High cup	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
4 HL	18.12 mm	High cup	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
4+ D	17.82 mm	Deep	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)

FRENCH HORN WIDE, MEDIUM AND SMALL CUPS (size from no. 1 to no. 16)

Size no.	Cup diameter	Depth of the cup	Notes
4+ DS	17.82 mm	Deep	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
4+ DF	17.82 mm	Deep	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
4+ DL	17.82 mm	Deep	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
4+ M	17.82 mm	Medium deep	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
4+ MS	17.82 mm	Medium deep	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
4+ MF	17.82 mm	Medium deep	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
4+ ML	17.82 mm	Medium deep	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
4+ H	17.82 mm	High cup	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
4+ HS	17.82 mm	High cup	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
4+ HF	17.82 mm	High cup	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
4+ HL	17.82 mm	High cup	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
5 D	17.52 mm	Deep	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
5 DS	17.52 mm	Deep	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
5 DF	17.52 mm	Deep	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
5 DL	17.52 mm	Deep	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
5 M	17.52 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
5 MS	17.52 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
5 MF	17.52 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
5 ML	17.52 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
5 H	17.52 mm	High cup	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
5 HS	17.52 mm	High cup	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
5 HF	17.52 mm	High cup	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
5 HL	17.52 mm	High cup	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
6 D	17.52 mm	Deep	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
6 DS	17.52 mm	Deep	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
6 DF	17.52 mm	Deep	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
6 DL	17.52 mm	Deep	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
6 M	17.52 mm	Medium deep	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
6 MS	17.52 mm	Medium deep	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
6 MF	17.52 mm	Medium deep	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
6 ML	17.52 mm	Medium deep	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
6 H	17.52 mm	High cup	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
6 HS	17.52 mm	High cup	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
6 HF	17.52 mm	High cup	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
6 HL	17.52 mm	High cup	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
7 D	17.30 mm	Deep	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
7 DS	17.30 mm	Deep	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
7 DF	17.30 mm	Deep	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
7 DL	17.30 mm	Deep	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
7 M	17.30 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
7 MS	17.30 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
7 MF	17.30 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
7 ML	17.30 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
7 H	17.30 mm	High cup	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
7 HS	17.30 mm	High cup	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
7 HF	17.30 mm	High cup	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
7 HL	17.30 mm	High cup	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
8 D	17.30 mm	Deep	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
8 DS	17.30 mm	Deep	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
8 DF	17.30 mm	Deep	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
8 DL	17.30 mm	Deep	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
8 M	17.30 mm	Medium deep	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
8 MS	17.30 mm	Medium deep	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
8 MF	17.30 mm	Medium deep	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
8 ML	17.30 mm	Medium deep	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
8 H	17.30 mm	High cup	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
8 HS	17.30 mm	High cup	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)

FRENCH HORN WIDE, MEDIUM AND SMALL CUPS (size from no. 1 to no. 16)

Size no.	Cup diameter	Depth of the cup	Notes
8 HF	17.30 mm	High cup	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
8 HL	17.30 mm	High cup	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
9 D	16.95 mm	Deep	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
9 DS	16.95 mm	Deep	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
9 DF	16.95 mm	Deep	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
9 DL	16.95 mm	Deep	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
9 M	16.95 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
9 MS	16.95 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
9 MF	16.95 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
9 ML	16.95 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
9 H	16.95 mm	High cup	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
9 HS	16.95 mm	High cup	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
9 HF	16.95 mm	High cup	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
9 HL	16.95 mm	High cup	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
10 D	16.95 mm	Deep	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
10 DS	16.95 mm	Deep	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
10 DF	16.95 mm	Deep	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
10 DL	16.95 mm	Deep	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
10 M	16.95 mm	Medium deep	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
10 MS	16.95 mm	Medium deep	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
10 MF	16.95 mm	Medium deep	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
10 ML	16.95 mm	Medium deep	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
10 H	16.95 mm	High cup	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
10 HS	16.95 mm	High cup	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
10 HF	16.95 mm	High cup	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
10 HL	16.95 mm	High cup	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
11 D	16.62 mm	Deep	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
11 DS	16.62 mm	Deep	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
11 DF	16.62 mm	Deep	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
11 DL	16.62 mm	Deep	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
11 M	16.62 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
11 MS	16.62 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
11 MF	16.62 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
11 ML	16.62 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
11 H	16.62 mm	High cup	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
11 HS	16.62 mm	High cup	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
11 HF	16.62 mm	High cup	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
11 HL	16.62 mm	High cup	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
12 D	16.62 mm	Deep	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
12 DS	16.62 mm	Deep	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
12 DF	16.62 mm	Deep	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
12 DL	16.62 mm	Deep	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
12 M	16.62 mm	Medium deep	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
12 MS	16.62 mm	Medium deep	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
12 MF	16.62 mm	Medium deep	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
12 ML	16.62 mm	Medium deep	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
12 H	16.62 mm	High cup	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
12 HS	16.62 mm	High cup	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
12 HF	16.62 mm	High cup	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
12 HL	16.62 mm	High cup	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
13 D	16.22 mm	Deep	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
13 DS	16.22 mm	Deep	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
13 DF	16.22 mm	Deep	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
13 DL	16.22 mm	Deep	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
13 M	16.22 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
13 MS	16.22 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
13 MF	16.22 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)

FRENCH HORN WIDE, MEDIUM AND SMALL CUPS (size from no. 1 to no. 16)

Size no.	Cup diameter	Depth of the cup	Notes
13 ML	16.22 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
13 H	16.22 mm	High cup	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
13 HS	16.22 mm	High cup	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
13 HF	16.22 mm	High cup	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
13 HL	16.22 mm	High cup	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
14 D	16.22 mm	Deep	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
14 DS	16.22 mm	Deep	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
14 DF	16.22 mm	Deep	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
14 DL	16.22 mm	Deep	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
14 M	16.22 mm	Medium deep	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
14 MS	16.22 mm	Medium deep	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
14 MF	16.22 mm	Medium deep	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
14 ML	16.22 mm	Medium deep	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
14 H	16.22 mm	High cup	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
14 HS	16.22 mm	High cup	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
14 HF	16.22 mm	High cup	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
14 HL	16.22 mm	High cup	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
15 D	15.88 mm	Deep	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
15 DS	15.88 mm	Deep	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
15 DF	15.88 mm	Deep	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
15 DL	15.88 mm	Deep	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
15 M	15.88 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
15 MS	15.88 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
15 MF	15.88 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
15 ML	15.88 mm	Medium deep	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
15 H	15.88 mm	High cup	Standard throat (n. 10) 4.50 mm - Rounded rim (thickness 3.82 mm)
15 HS	15.88 mm	High cup	Standard throat (n. 10) 4.50 mm - Semirounded rim (thickness 4.05 mm)
15 HF	15.88 mm	High cup	Standard throat (n. 10) 4.50 mm - Flat rim (thickness 3.82 mm)
15 HL	15.88 mm	High cup	Standard throat (n. 10) 4.50 mm - Large rim (thickness 4.30 mm)
16 D	15.88 mm	Deep	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
16 DS	15.88 mm	Deep	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
16 DF	15.88 mm	Deep	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
16 DL	15.88 mm	Deep	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
16 M	15.88 mm	Medium deep	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
16 MS	15.88 mm	Medium deep	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
16 MF	15.88 mm	Medium deep	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
16 ML	15.88 mm	Medium deep	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)
16 H	15.88 mm	High cup	Special throat (n. 9) 4.30 mm - Rounded rim (thickness 3.82 mm)
16 HS	15.88 mm	High cup	Special throat (n. 9) 4.30 mm - Semirounded rim (thickness 4.05 mm)
16 HF	15.88 mm	High cup	Special throat (n. 9) 4.30 mm - Flat rim (thickness 3.82 mm)
16 HL	15.88 mm	High cup	Special throat (n. 9) 4.30 mm - Large rim (thickness 4.30 mm)

FRATE PRECISION di Dario Frate

Via Bombolasca, 11 - 23019 Traona (SO) - Italy
 Tel. / Fax +39.0342.652201 - P.IVA IT00872520143
 info@frateprecision.it - www.frateprecision.it