



Single brass manifolds

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CI 553 N - CI 600 N - CI 601 N - CI 554 CN -
CI 555 CN - CI 554 MN - CI 555 MN

Single brass bar -rod manifolds 3/4", 1", 1" 1/4 for water distribution in heating and cooling systems

■ PRESENTATION



IVAR distribution manifolds are made from drawn brass bar with special profile. They are processed automatically with innovative machinery and then subjected to heat treatment to relieve any residual stress. Each manifold is pressure tested with all fittings and accessories mounted to ensure the safety of the hydraulic seals.

The threads are made according to ISO 228/1. The derivation connections can be 1/2" F thread or 3/4" EUROKONUS.

Manifolds can be requested with or without external nickel-plating treatment.

IVAR distribution manifolds can be selected with different types of accessories depending on the intended use. Those dedicated to the supply of technical water to the system are equipped with FLUXER flow meter/regulator or lockshields with double micrometric adjustment. Those dedicated to the return of water from the system, on the other hand, are equipped with a thermostatically controlled screw with protective cap or screw with adjustment knob for flow rate interception.

■ TECHNICAL DETAILS

Working fluid	Water (water/glycol with max glycol 30%)
Max operating temperature with FLUXER	90 °C
Max operating temperature	120 °C
Max operating pressure	10 bar
FLUXER	Adjustment scale: 0÷5 l/min (on request 0÷2.5 l/min) Accuracy: ±10%.

■ MATERIALS

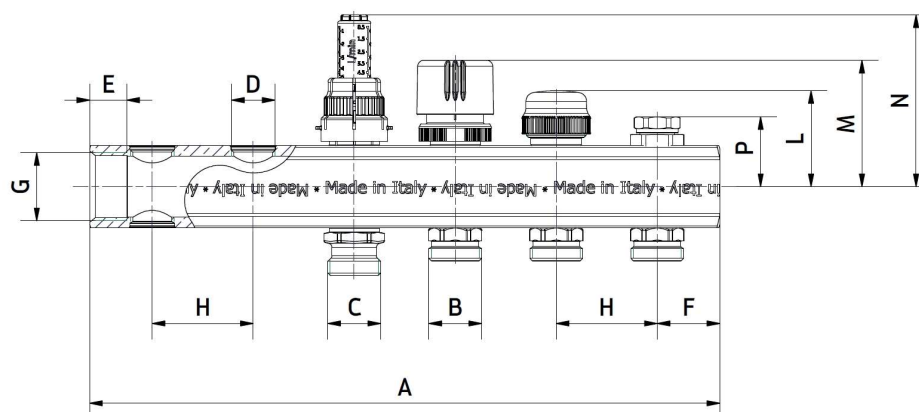
Manifold

- Brass parts: brass CW617N;
- Sealings and o-rings: peroxide EPDM;
- Thermostatic insert: PPA body; brass rod; steel pin;
- Protection caps: ABS.

FLUXER

- Body: PA;
- Shutter: PA MXD6;
- Seal: peroxide EPDM ;
- Lock ring: PPO and PS blend;
- Indicator: PA 12;
- Spindle: PSU;
- Spyglass: transparent PA 12;
- Cover: ABS.

■ DIMENSIONS

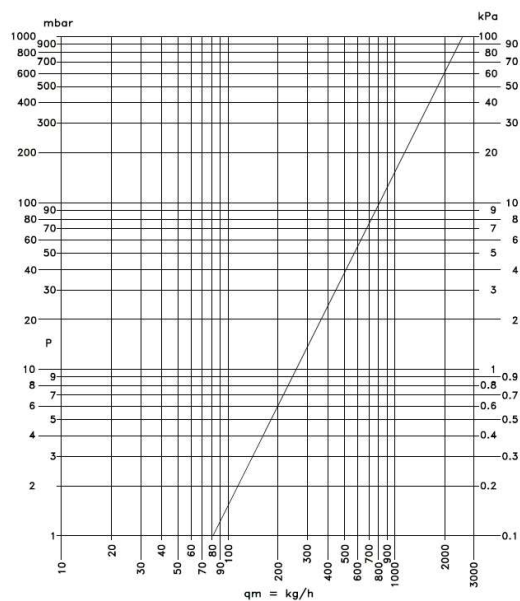


Size Dimension	3/4"	1"	1" 1/4
A	(N° WAYS - 1) x H + (2 x F)		
B	EK		
C	EK		
D	1/2" F		
E	15 mm	18 mm	19 mm
F	26.5 mm	31 mm	32 mm
G	3/4"	1"	1" 1/4
H	40 mm	50 mm	50 mm
L	-	46.5 mm	51.5 mm
M	-	66.5 mm	72 mm
N	-	88 mm	93.5 mm
P	-	36 mm	41 mm

■ HYDRAULIC FEATURES

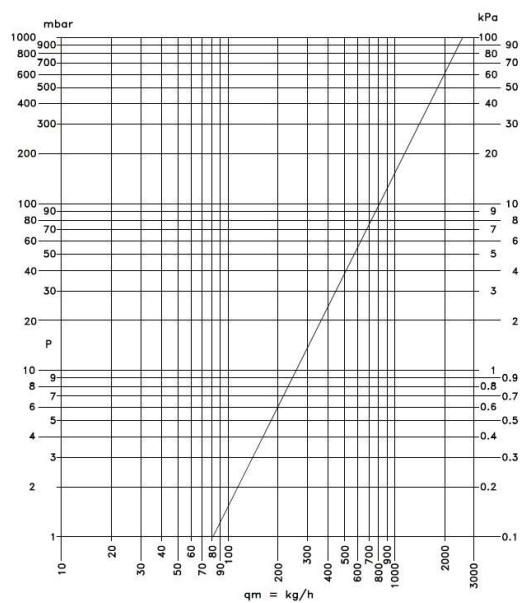
Simple manifold

The maximum Kv of the manifold is 5.0.

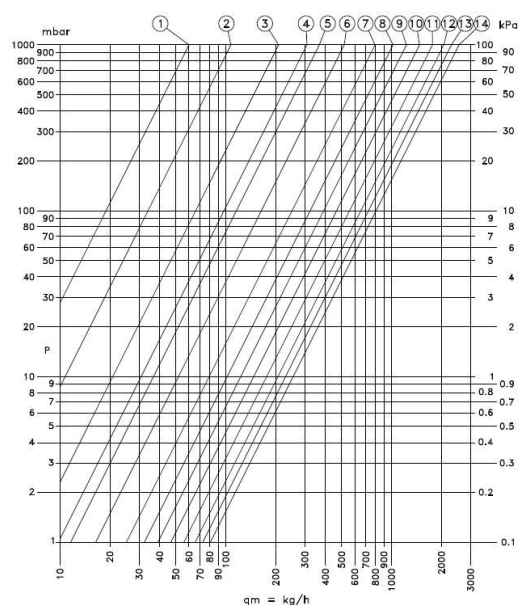


Return manifold with thermostatic insert

The maximum Kv of the manifold is 2.5.

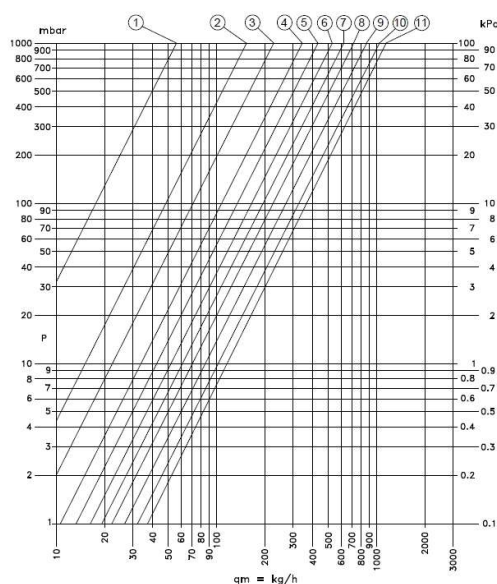


Flow manifold with double-micrometric adjustment lockshield



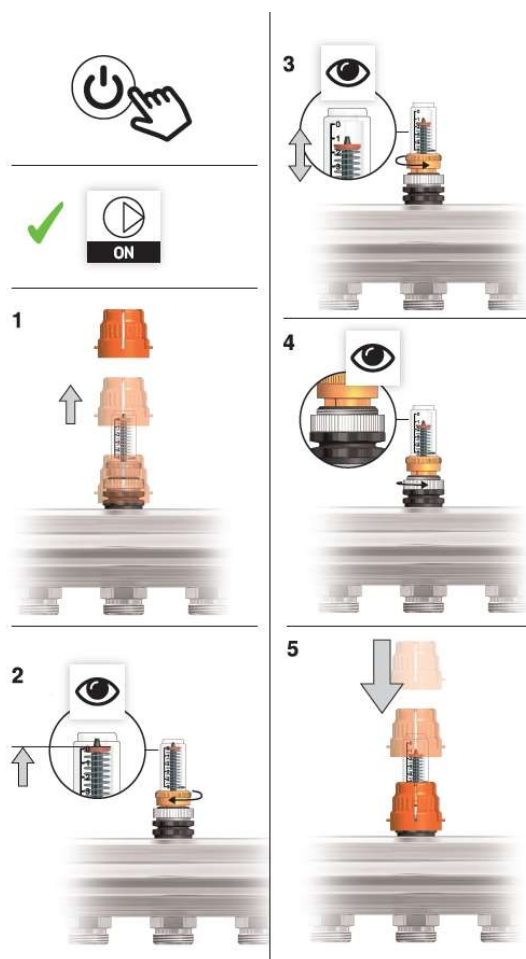
Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14
Turns	1	1.25	1.5	1.75	2	2.25	2.75	3.5	5	6.25	7	7.5	8	Max
Kv	0.06	0.11	0.21	0.31	0.37	0.52	0.78	1.03	1.3	1.56	1.82	2.08	2.34	2.6

Flow manifold with flow meter/adjuster FLUXER



Position	1	2	3	4	5	6	7	8	9	10	11
Turns	1	1.125	1.25	1.375	1.5	1.75	1.875	2	2.25	2.5	Max
Kv	0.05	0.15	0.22	0.32	0.41	0.51	0.61	0.71	0.87	1.02	1.16

■ ADJUSTING AND BALANCING



FLUXER allows the flow rate measurement and adjustment for each circuit. It's equipped with a position memory, useful in case of temporary closure for maintenance operations.

In order to perform a correct adjustment, proceed as follows for each circuit:

1. Remove the orange cover.
2. Close the FLUXER by rotating the upper lock ring clockwise. The flow rate value must be zero (see it through the glass).
3. Open the FLUXER to the correct flow rate position by rotating the upper lock ring counterclockwise.
4. Set the position memory by rotating the lower lock ring counterclockwise until it stops.
5. Relocate the orange cover. Afterwards it will be possible to close or open the outlet up to the maximum set by the position memory, directly by rotating the orange cover clockwise or counterclockwise respectively.

■ SPECIFICATION SUMMARY

	CS 500N Single bar-rod manifold with holes for accessories. Main connections G 3/4" F, G 1" F, or G 1 1/4" F conforming to ISO 228/1. Bar made of CW617N. Max working temperature 120 °C; max working pressure 10 bar.
	CS 501N Single bar-rod manifold with arrangement for installation of air vent valve. Main connections G 3/4" F, G 1" F, or G 1 1/4" F conforming to ISO 228/1. Rod made of CW617N. Max working temperature 120 °C; max working pressure 10 bar.
	CS 502N Single bar-rod manifold with arrangement with EUROK outlets conforming to ISO 228/1. Main connections G 3/4" F, G 1" F, or G 1 1/4" F conforming to ISO 228/1. Rod made of CW617N. Max working temperature 120 °C; max working pressure 10 bar.
	CI 552N Single bar-rod flow manifold with EUROK outlets conforming to ISO 228/1 and double micrometric adjustment devices on each outlet. Main connections G 1" F, or G 1 1/4" F conforming to ISO 228/1. Rod made of CW617N. Max working temperature 120 °C; max working pressure 10 bar.
	CI 553N Single bar-rod flow manifold with EUROK outlets conforming to ISO 228/1, double micrometric adjustment devices on each outlet and prearrangement for installation of air vent valve. Main connections G 1" F, or G 1 1/4" F conforming to ISO 228/1. Rod made of CW617N. Max working temperature 120 °C; max working pressure 10 bar.
	CI 600N Single bar-rod flow manifold with EUROK outlets conforming to ISO 228/1, FLUXER flow meter/regulator (0-5 l/min). Main connections G 1" F, or G 1 1/4" F conforming to ISO 228/1. Rod made of CW617N. Max working temperature 90 °C; max working pressure 10 bar.
	CI 601N Single bar-rod flow manifold with EUROK outlets conforming to ISO 228/1, FLUXER flow meter/regulator (0-5 l/min) and prearrangement for installation of air vent valve. Main connections G 1" F, or G 1 1/4" F conforming to ISO 228/1. Rod made of CW617N. Max working temperature 90 °C; max working pressure 10 bar.
	CI 554CN Single bar-rod return manifold with EUROK outlets in compliance with ISO 228/1 and protection cap for internal thermostatic insert. Main connections G 1" F, or G 1 1/4" F conforming to ISO 228/1. Rod made of CW617N. Max working temperature 120 °C; max working pressure 10 bar.
	CI 555CN Single bar-rod return manifold with EUROK outlets in compliance with ISO 228/1 and protection cap for internal thermostatic insert and prearrangement for installation of air vent valve. Main connections G 1" F, or G 1 1/4" F conforming to ISO 228/1. Rod made of CW617N. Max working temperature 120 °C; max working pressure 10 bar.
	CI 554MN Single bar-rod return manifold with EUROK outlets in compliance with ISO 228/1 and adjustment knob for internal thermostatic insert. Main connections G 1" F, or G 1 1/4" F conforming to ISO 228/1. Rod in CW617N. Max working temperature 120 °C; max working pressure 10 bar.
	CI 555MN Single bar-rod return manifold with EUROK outlets in compliance with ISO 228/1 and adjustment knob for internal thermostatic insert and prearrangement for installation of air vent valve. Main connections G 1" F, or G 1 1/4" F conforming to ISO 228/1. Rod in CW617N. Max working temperature 120 °C; max working pressure 10 bar.

■ PRODUCT CODES

CS 500 N

Codes	N° of ways	Size
500032N	2	3/4" x 1/2" F
500033N	3	3/4" x 1/2" F
500034N	4	3/4" x 1/2" F
500035N	5	3/4" x 1/2" F
500036N	6	3/4" x 1/2" F
500037N	7	3/4" x 1/2" F
500038N	8	3/4" x 1/2" F
500039N	9	3/4" x 1/2" F
500040N	10	3/4" x 1/2" F
500041N	11	3/4" x 1/2" F
500042N	12	3/4" x 1/2" F
501402N	2	1" x 1/2" F
501403N	3	1" x 1/2" F
501404N	4	1" x 1/2" F
501405N	5	1" x 1/2" F
501406N	6	1" x 1/2" F
501407N	7	1" x 1/2" F
501408N	8	1" x 1/2" F
501409N	9	1" x 1/2" F
501410N	10	1" x 1/2" F
501411N	11	1" x 1/2" F
501412N	12	1" x 1/2" F
501413N	13	1" x 1/2" F
500792N	2	1" 1/4 x 1/2" F
500793N	3	1" 1/4 x 1/2" F
500794N	4	1" 1/4 x 1/2" F
500795N	5	1" 1/4 x 1/2" F
500796N	6	1" 1/4 x 1/2" F
500797N	7	1" 1/4 x 1/2" F
500798N	8	1" 1/4 x 1/2" F
500799N	9	1" 1/4 x 1/2" F
500800N	10	1" 1/4 x 1/2" F
500801N	11	1" 1/4 x 1/2" F
500802N	12	1" 1/4 x 1/2" F
500803N	13	1" 1/4 x 1/2" F

CS 501 N

Codes	N° of ways	Size
507002N	2	1" x 1/2" F
507003N	3	1" x 1/2" F
507004N	4	1" x 1/2" F
507005N	5	1" x 1/2" F
507006N	6	1" x 1/2" F

507007N	7	1" x 1/2" F
507008N	8	1" x 1/2" F
507009N	9	1" x 1/2" F
507010N	10	1" x 1/2" F
507011N	11	1" x 1/2" F
507012N	12	1" x 1/2" F
507013N	13	1" x 1/2" F
400362N	2	1" 1/4 x 1/2" F
400363N	3	1" 1/4 x 1/2" F
400364N	4	1" 1/4 x 1/2" F
400365N	5	1" 1/4 x 1/2" F
400366N	6	1" 1/4 x 1/2" F
400367N	7	1" 1/4 x 1/2" F
400368N	8	1" 1/4 x 1/2" F
400369N	9	1" 1/4 x 1/2" F
400370N	10	1" 1/4 x 1/2" F
400371N	11	1" 1/4 x 1/2" F
400372N	12	1" 1/4 x 1/2" F
400373N	13	1" 1/4 x 1/2" F

CS 502 N

Codes	N° of ways	Size
400812N	2	3/4" x EUROK
400813N	3	3/4" x EUROK
400814N	4	3/4" x EUROK
400815N	5	3/4" x EUROK
400816N	6	3/4" x EUROK
400817N	7	3/4" x EUROK
400818N	8	3/4" x EUROK
400819N	9	3/4" x EUROK
400820N	10	3/4" x EUROK
400392N	2	1" x EUROK
400393N	3	1" x EUROK
400394N	4	1" x EUROK
400395N	5	1" x EUROK
400396N	6	1" x EUROK
400397N	7	1" x EUROK
400398N	8	1" x EUROK
400399N	9	1" x EUROK
400400N	10	1" x EUROK
400401N	11	1" x EUROK
400402N	12	1" x EUROK
400403N	13	1" x EUROK
400432N	2	1" 1/4 x EUROK
400433N	3	1" 1/4 x EUROK
400434N	4	1" 1/4 x EUROK
400435N	5	1" 1/4 x EUROK

400436N	6	1" 1/4 x EUROK
400437N	7	1" 1/4 x EUROK
400438N	8	1" 1/4 x EUROK
400439N	9	1" 1/4 x EUROK
400440N	10	1" 1/4 x EUROK
400441N	11	1" 1/4 x EUROK
400442N	12	1" 1/4 x EUROK
400443N	13	1" 1/4 x EUROK

CI 552 N

Codes	N° of ways	Size
400042N	2	1" x EUROK
400043N	3	1" x EUROK
400044N	4	1" x EUROK
400045N	5	1" x EUROK
400046N	6	1" x EUROK
400047N	7	1" x EUROK
400048N	8	1" x EUROK
400049N	9	1" x EUROK
400050N	10	1" x EUROK
400051N	11	1" x EUROK
400052N	12	1" x EUROK
400053N	13	1" x EUROK
400082N	2	1" 1/4 x EUROK
400083N	3	1" 1/4 x EUROK
400084N	4	1" 1/4 x EUROK
400085N	5	1" 1/4 x EUROK
400086N	6	1" 1/4 x EUROK
400087N	7	1" 1/4 x EUROK
400088N	8	1" 1/4 x EUROK
400089N	9	1" 1/4 x EUROK
400090N	10	1" 1/4 x EUROK
400091N	11	1" 1/4 x EUROK
400092N	12	1" 1/4 x EUROK
400093N	13	1" 1/4 x EUROK

CI 553 N

Codes	N° of ways	Size
500962N	2	1" x EUROK
500963N	3	1" x EUROK
500964N	4	1" x EUROK
500965N	5	1" x EUROK
500966N	6	1" x EUROK
500967N	7	1" x EUROK
500968N	8	1" x EUROK
500969N	9	1" x EUROK
500970N	10	1" x EUROK

500971N	11	1" x EUROK
500972N	12	1" x EUROK
400002N	2	1" 1/4 x EUROK
400003N	3	1" 1/4 x EUROK
400004N	4	1" 1/4 x EUROK
400005N	5	1" 1/4 x EUROK
400006N	6	1" 1/4 x EUROK
400007N	7	1" 1/4 x EUROK
400008N	8	1" 1/4 x EUROK
400009N	9	1" 1/4 x EUROK
400010N	10	1" 1/4 x EUROK
400011N	11	1" 1/4 x EUROK
400012N	12	1" 1/4 x EUROK

CI 600 N

Codes	N° of ways	Size
502372N	2	1" x EUROK
502373N	3	1" x EUROK
502374N	4	1" x EUROK
502375N	5	1" x EUROK
502376N	6	1" x EUROK
502377N	7	1" x EUROK
502378N	8	1" x EUROK
502379N	9	1" x EUROK
502380N	10	1" x EUROK
502381N	11	1" x EUROK
502382N	12	1" x EUROK
502383N	13	1" x EUROK
502392N	2	1" 1/4 x EUROK
502393N	3	1" 1/4 x EUROK
502394N	4	1" 1/4 x EUROK
502395N	5	1" 1/4 x EUROK
502396N	6	1" 1/4 x EUROK
502397N	7	1" 1/4 x EUROK
502398N	8	1" 1/4 x EUROK
502399N	9	1" 1/4 x EUROK
502400N	10	1" 1/4 x EUROK
502401N	11	1" 1/4 x EUROK
502402N	12	1" 1/4 x EUROK
502403N	13	1" 1/4 x EUROK

CI 601 N

Codes	N° of ways	Size
502082N	2	1" x EUROK
502083N	3	1" x EUROK
502084N	4	1" x EUROK
502085N	5	1" x EUROK

502086N	6	1" x EUROK
502087N	7	1" x EUROK
502088N	8	1" x EUROK
502089N	9	1" x EUROK
502090N	10	1" x EUROK
502091N	11	1" x EUROK
502092N	12	1" x EUROK
502182N	2	1" 1/4 x EUROK
502183N	3	1" 1/4 x EUROK
502184N	4	1" 1/4 x EUROK
502185N	5	1" 1/4 x EUROK
502186N	6	1" 1/4 x EUROK
502187N	7	1" 1/4 x EUROK
502188N	8	1" 1/4 x EUROK
502189N	9	1" 1/4 x EUROK
502190N	10	1" 1/4 x EUROK
502191N	11	1" 1/4 x EUROK
502192N	12	1" 1/4 x EUROK

CI 554 CN

Codes	N° of ways	Size
501650CN	2	1" x EUROK
501651CN	3	1" x EUROK
501652CN	4	1" x EUROK
501653CN	5	1" x EUROK
501654CN	6	1" x EUROK
501655CN	7	1" x EUROK
501656CN	8	1" x EUROK
501657CN	9	1" x EUROK
501658CN	10	1" x EUROK
501659CN	11	1" x EUROK
501660CN	12	1" x EUROK
501661CN	13	1" x EUROK
400122CN	2	1" 1/4 x EUROK
400123CN	3	1" 1/4 x EUROK
400124CN	4	1" 1/4 x EUROK
400125CN	5	1" 1/4 x EUROK
400126CN	6	1" 1/4 x EUROK
400127CN	7	1" 1/4 x EUROK
400128CN	8	1" 1/4 x EUROK
400128CN	9	1" 1/4 x EUROK
400130CN	10	1" 1/4 x EUROK
400131CN	11	1" 1/4 x EUROK
400132CN	12	1" 1/4 x EUROK
400133CN	13	1" 1/4 x EUROK

CI 555 CN

Codes	N° of ways	Size
500462CN	2	1" x EUROK
500463CN	3	1" x EUROK
500464CN	4	1" x EUROK
500465CN	5	1" x EUROK
500466CN	6	1" x EUROK
500467CN	7	1" x EUROK
500468CN	8	1" x EUROK
500469CN	9	1" x EUROK
500470CN	10	1" x EUROK
500471CN	11	1" x EUROK
500472CN	12	1" x EUROK
400022CN	2	1" 1/4 x EUROK
400023CN	3	1" 1/4 x EUROK
400024CN	4	1" 1/4 x EUROK
400025CN	5	1" 1/4 x EUROK
400026CN	6	1" 1/4 x EUROK
400027CN	7	1" 1/4 x EUROK
400028CN	8	1" 1/4 x EUROK
400029CN	9	1" 1/4 x EUROK
400030CN	10	1" 1/4 x EUROK
400031CN	11	1" 1/4 x EUROK
400032CN	12	1" 1/4 x EUROK

CI 554 MN

Codes	N° of ways	Size
501650MN	2	1" x EUROK
501651MN	3	1" x EUROK
501652MN	4	1" x EUROK
501653MN	5	1" x EUROK
501654MN	6	1" x EUROK
501655MN	7	1" x EUROK
501656MN	8	1" x EUROK
501657MN	9	1" x EUROK
501658MN	10	1" x EUROK
501659MN	11	1" x EUROK
501660MN	12	1" x EUROK
501661MN	13	1" x EUROK
400122MN	2	1" 1/4 x EUROK
400123MN	3	1" 1/4 x EUROK
400124MN	4	1" 1/4 x EUROK
400125MN	5	1" 1/4 x EUROK
400126MN	6	1" 1/4 x EUROK
400127MN	7	1" 1/4 x EUROK
400128MN	8	1" 1/4 x EUROK
400128MN	9	1" 1/4 x EUROK

400130MN	10	1" 1/4 x EUROK
400131MN	11	1" 1/4 x EUROK
400132MN	12	1" 1/4 x EUROK
400133MN	13	1" 1/4 x EUROK



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