

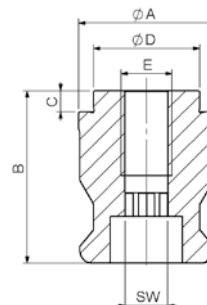
NIPPLES

CENTERING NIPPLE



- > Used for centering and clamping.
- > Material: Tempered stainless steel.

Size	Code	ØA	B	C	ØD	E	SW	Weight Kg
O-MAK 10	296 004 010	22	31	4	15	M8	8	0.1
O-MAK 20	296 004 020	32	40.6	5	25	M12	10	0.2

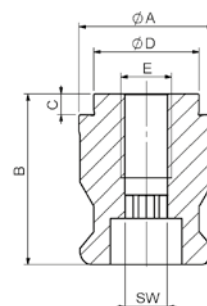


POSITIONING NIPPLE



- > It is used for reference and clamping.
- > Material: Tempered stainless steel

Size	Code	ØA	B	C	ØD	E	SW	Weight Kg
O-MAK 10	296 005 010	22	31	4	15	M8	8	0.1
O-MAK 20	296 005 020	32	40.6	5	25	M12	10	0.2

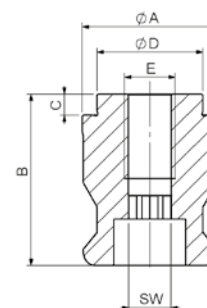


LOCKING NIPPLE



- > Used for clamping.
- > Material: Tempered stainless steel

Size	Code	ØA	B	C	ØD	E	SW	Weight Kg
O-MAK 10	296 006 010	21.7	31	4	15	M8	8	0.1
O-MAK 20	296 006 020	31.7	40.6	5	25	M12	10	0.2

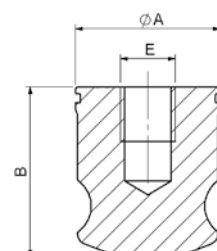


PROTECTING NIPPLE



- > To protect the cylinder when is not being used.
- > Material: Tempered stainless steel

Size	Code	ØA	B	C	ØD	E	SW	Weight Kg
O-MAK 10	296 007 010	21.8	28.5	-	-	M8	-	0.1
O-MAK 20	296 007 020	31.8	37.6	-	-	M12	-	0.2



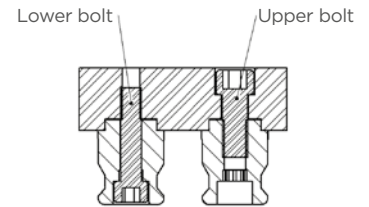
NIPPLES

LOCKING BOLTS



Size	Set up	Code	Top Screw	Weight Kg.
MAK10	Lower	905210090	M6x35	0,01
	Upper		M8 *	
MAK20	Lower	996040125	M10X45	0,04
	Upper		M12 *	

* The lenght of the screw depends on the set up of the final user.



- DIN 912 quality 12.9 bolts:
- Upper bolt.
- Lower bolt.

NIPPLES COMBINATION

USUAL COMBINATION

- The usual combination for an optimal centering of the work piece is as follows.
- Red nipple is centering in 2 axis.
- Blue nipple is positioning in 1 axis.
- Green nipples are locking nipples.



COMBINATION FOR HEAVY MACHINING

- Just to avoid thermal deformations the use of 4 positioning nipples (blue) is very much recomendable. Reference will always remain in the center of the plate.

