



- Efficient Compaction
- Solid in-tension, vibration of the total mould
- Manual or hydraulic tightening
- Compacting in a few minutes

NKH & NKM Vibration Cross is specially designed for compaction of dry refractory mass for induction furnace. The vibration cross is lifted into the mould, and then manually or hydraulically tightened to the inside of the mould. The powerful vibration will then compact all air pockets out of the mould.



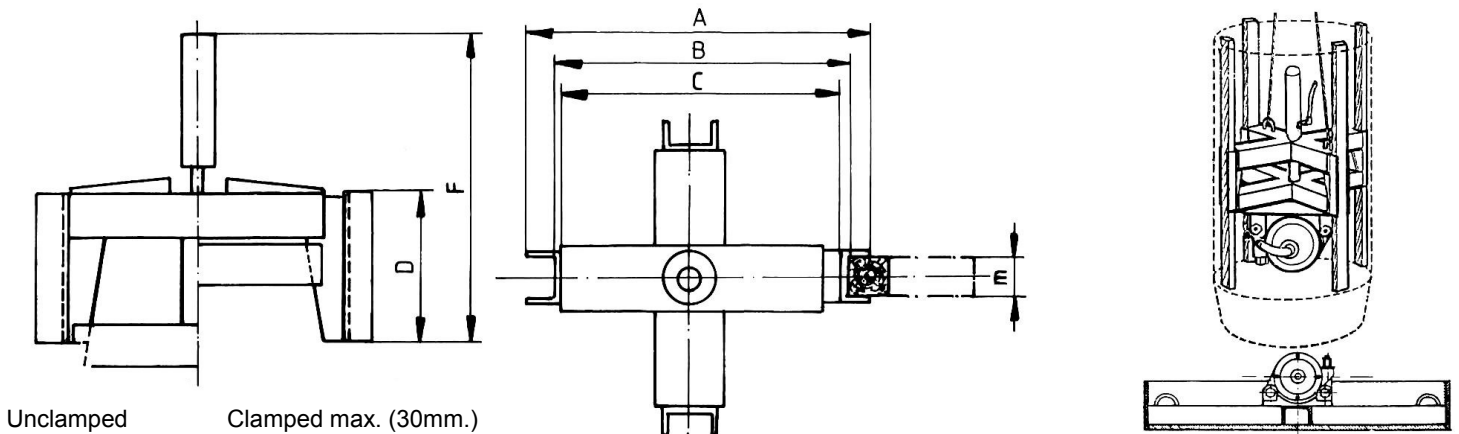
NKH & NKM Vibration Cross

Dimensions

Model	Mould Diameter [mm]	Weight without Vibrator [Kg.]	A [mm]		B [mm]		C [mm]		D [mm]	E [mm]	F [mm]	
			Min.	Max.	Min.	Max.	Min.	Max.			NKH	NKM
NKH, NKM 300	400 – 600	33	360	390	312	342	300	330	150	46 ±1	550	400
NKH, NKM 400	500 – 700	37	460	490	412	442	400	430	150	46 ±1	550	400
NKH, NKM 500	600 – 800	40	560	590	512	542	500	530	150	46 ±1	550	400
NKH, NKM 800	920-1160	72	860	890	812	842	800	830	150	46 ±1	550	555
NKH, NKM 900	1120-1240	124	1060	1100	917	957	900	940	150	46 ±1	810	660

Pneumatic Vibrator

Vibrator	Working Moment [CmKg]	Air Consumption [L/Min.]	Weight [Kg.]	Nominal Frequency [Min ⁻¹]	Centrifugal Force [N]
NVT 105	5,40	1.800	16,3	14.500	62.260



NKH & NKM Vibration Cross

Applications

NKH & NKM vibration crosses are used for compaction of dry refractory mass in induction furnaces.

Design and Function

The NKH & NKM vibration crosses consist of a 4-armed clamping fixture, mounted with a pneumatic NVT vibrator, attached with a NVH 4 quick-clamp.

The NKH & NKM vibration crosses is tightened manually (NKM) or hydraulic (NKH).

When tightened, the 4 clamping-arms is extended equally and is pushed against the inside of the mould.

The 4 clamping-arms is fitted with hardwood battens, to protect the mould and ensure an evenly distribution of the powerful vibrations.

The bottom part of the mould can also be compacted with a external base plate with a NVT vibrator

