

Die Sets for XRF / RFA and FT-IR

Maassen Die Sets for Laboratory Presses

Precise pressing tools are very important for high quality pellets. Our Maassen press tools are made to produce such pellets in a fast and very easy way! There is no need to disassemble a heavy die set again and again. We have introduced a simple way to remove the base and push out the pellet. It was never easier or faster!

- Fill the Die Set as usual, put the plunger on top and start pressing with your lab press.
- After releasing the pressure: instead of removing the die set from the press and disassemble it, only pull the base block out of the black bracket and press again until the pellet is visible.
- Done!

And when using the Die Set upside down, it is more comfortable and faster to handle: push out the pellets without any vibrations or damage. Useful if the pellet is brittle.

All our die sets from 10 to 50 mm are working the same way. The 13 mm die set includes a wooden protection box. For 32 / 40 mm, the wooden box is available as an option

There is also a combined set of 32 and 40 mm available in a black protection case.

Our Die Sets for **3, 5 and 8 mm** pellets are also very easy to handle, small and efficient. They consist of three cylinders (lower, middle and upper part, made of hardened stainless steel) and two press pins (short and long version, made of KXF which means 90% tungsten carbide). This increases stability, lifetime and maximum possible load. The outer diameter of the cylinders is 13 mm, so for vacuum connection, you can put them inside any available 13 mm die set.

All our Die Sets are completely designed and made in Germany!



13 mm Die Set with wooden box



32 mm Die Set

Upside down handling



5 mm Die Set

Order informations:

Part number	Description	Max. pressure
54KB0300M-H	3 mm Die Set with hard metal press pins	1,5 to.
54KB0302M-H	3 mm spare hard metal press pins set	1,5 to.
54KB0500M-H	5 mm Die Set with hard metal press pins	4 to.
54KB0502M-H	5 mm spare hard metal press pins set	4 to.
54KB0800M-H	8 mm Die Set with hard metal press pins	6 to.
54KB0802M-H	8 mm spare hard metal press pins set	6 to.
54KB1000M	10 mm Die Set	7 to.
54KB1002M	10 mm spare pellets, 2 pcs.	7 to.
54KB1300M	13 mm Die Set in wooden case	10 to.
54KB1302M	13 mm spare pellets, 2 pcs.	10 to.
54KB1300M-H	13 mm Die Set with hard metal pellets in wooden case	14 to.
54KB1302M-H	13 mm spare hard metal pellets, 2 pcs.	14 to.
54KB1600M	16 mm Die Set	20 to.
54KB1602M	16 mm spare pellets, 2 pcs.	20 to.
54KBX20M	20 mm Die Set	24 to.
54KBX202M	20 mm spare pellets, 2 pcs.	24 to.
54KBX25M	25 mm Die Set	30 to.
54KBX252M	25 mm spare pellets, 2 pcs.	30 to.
54KBX32M	32 mm Die Set	30 to.
54KBX32M-H	32 mm Die Set with hard metal pellets	33 to.
54KBX322M	32 mm spare pellets, 2 pcs.	30 to.
54KBX322M-H	32 mm hard metal spare pellets, 2 pcs.	33 to.
54KBX40M	40 mm Die Set	40 to.
54KBX40M-H	40 mm Die Set with hard metal pellets	44 to.
54KBX402M	40 mm spare pellets, 2 pcs.	40 to.
54KBX402M-H	40 mm hard metal spare pellets, 2 pcs.	44 to.
54KB3240M	Combined Set 32 and 40 mm in plastic case	30 / 40 to.
54KBX500M	50 mm Die Set	45 to.

O-Rings, spare cylinders, plunger, pins or pellets are also available apart from the complete die set. Contact us for price and availability.

Maassen also offers individual sizes for die sets in case your size is not mentioned.

MAASSEN Die Set Series XRF

The new standard Die Sets for X-ray fluorescence analysis

The Maassen Die Set Series XRF is simplifying your sample preparation! With the spring-suspended base, combined with different adapters for different analysing instruments, you are able to press samples in a very short time.

The adapters enable to use steel rings or alu-cups in different sizes. You simply insert the ring or alu-cup, fill in your sample, put the lid on top and place it inside your laboratory press. The XRF series can take up to 40 tons load. After releasing the load, you can simply take out the ring or use a separate extractor ring to push the alu-cup out of the cylinder.



XRF-BC40 with inserted Alu-cup

These are the different types available:

XRF-BR51

This Die Set is made for steel rings with 8 - 9 mm height, an outer diameter of 51 mm and inner diameter of 35 mm.

It is made of the base unit XRF-B combined with the adapter XRF-51.

XRF-BC40

This Die Set is made for Aluminiumcups with 40 mm (usually 39.8 mm) diameter.

It is made of the base unit XRF-B combined with the adapter XRF-40

XRF-BR4035

This Die Set is made for steel rings with 14 mm height, an outer diameter of 40 mm and inner diameter of 35 mm.

It is made of the base unit XRF-B combined with the adapter XRF-R4035

XRF-BR4032

This Die Set is made for steel rings with 14 mm height, an outer diameter of 40 mm and inner diameter of 32 mm.

It is made of the base unit XRF-B combined with the adapter XRF-R4032



Accessories for Die Sets

Wax, Cups or filling tools for your die set

SO-FL032	32mm filling tool (Bild 1)
SO-FL040	40mm filling tool
SO-PF32	Pellet Film 32mm - 500 ct./box (Bild 3)
SO-PF40	Pellet Film 40mm - 500 ct./box
SO-T32	Tapered Aluminum cups 31,8 x 9mm - 1000 cups (Bild 2)
SO-T40	Tapered Aluminum cups 39.8 x 9.5mm - 600 cups
SO-T35	Tapered Aluminum cups 35 x 8mm - 1000 cups
SO-S32	Straight Walled Aluminum cups 30 x 8mm - 1000 cups
SO-S33	Straight Walled Aluminum cups 33 x 8mm - 1000 cups
SO-S40	Straight Walled Aluminum cups 38.5 x 9.5mm - 600 cups
SO-S40H	Straight Walled Aluminum cups 39.8 x 7.5mm - 600 cups
SO-press001	Boric acid powder - 1.5kg
SO-press00125	Boric acid tablets; 250mg - 1000 tablets (Bild 4)
SO-press00150	Boric acid tablets; 500mg 1000 tablets
SO-press0011	FreeBORE powder (replaces "Boric acid" classified CMR) - 0.8kg
SO-press002	Cellulose powder - 0.8kg
SO-press00325	Cellulose tablets; 250mg - 500 tablets
SO-press00333	Cellulose tablets; 330mg - 500 tablets
SO-press00350	Cellulose tablets; 500mg - 500 tablets
SO-press004	Licowax® C micropowder (Hoechst wax) - 0.75kg
SO-press0041	Licowax® C micropowder (Hoechst wax) - 5kg
SO-press0042	Licowax® C micropowder (Hoechst wax) - 20kg
SO-press005	MIX55 - 0.75kg
SO-press00525	MIX55 tablets;250mg - 500 tablets
SO-press00550	MIX55 tablets;500mg - 500 tablets
SO-press00525K	MIX55 tablets;250mg - 5000 tablets
SO-press00550K	MIX55 tablets;500mg - 5000 tablets
SO-PM012	Methyl methacrylate ball - 12.7mm - 500 balls
SO-PM04	Methyl methacrylate ball - 5mm - 500 balls
SO-PM05	Methyl methacrylate ball - 9.3mm - 500 balls



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