



Technical features	Unit	Promat 40	Promat 50 Small	Promat 50HF	Promat 50	Promat 65	Promat 80	Promat 100
Lenght (A)	mm	487	515	520	590	720	750	780
Width (C)	mm	97	116	125	170	205	305	325
Weight	Kg	9	15	13	30	50	60	65
Operating lenght (B)	mm	150	130	145	190	270	270	270
Thickness (E)	mm	9	11,5	11,5	15-19	20-25	20-25	36
Max distance between 2 supports (D)	mm	70	75	88	115	140	140	140
Slides width at max opening (F)	mm	24	28	16	42	54	54	63
Max exit lenght of wedge (G)	mm	55	60	18,3	80	100	100	120
Max size of the slides (H)	mm	91	92	103	138	165	165	175
Pump power	kW	4	4	4	4	4	4	4
Max working pressure	Bar	220-280	220-280	220-280	250-320	250-320	250-320	250-320
Thrust	kN	31,4	50	50	63	106	161	250
Separating force	kN	74	108	84	126	212	322	570
Number of hits/ min	cycles/min.	Up to 75	Up to 55	Up to 80	Up to 42	Up to 40	Up to 22	Up to 18
Voltage	Volt/Hz	380/50-60	380/50-60	380/50-60	380/50-60	380/50-60	380/50-60	380/50-60

Typical solution



This is the typical foundry wedge set that ProService supplies to its customers: a hydraulic foundry wedge powered by a hydraulic power-pack.

2 wedges



The PROMAT hydraulic wedges can be supplied also with two hydraulic wedges powered by only one hydraulic power-pack.

- Light
- Effective
- User-friendly
- Ergonomic
- Reliable
- Safe
- Flexible



ProService s.r.l.

via Marco Polo 3,
35010 Borgoricco (Padova) - ITALY
Tel. 0039 049 5797189
Fax 0039 049 9364574
info@proservicetech.it
www.proservicetech.it

The PROMAT hydraulic foundry wedges, realized to break risers and casting branches, represent an essential tool for foundries. Manufactured by ProService s.r.l., they consist of a wedge which is moved by a hydraulic power pack. On the grounds of the deep experience in the foundry field, ProService has conceived an innovative machine, with features which allow to overcome the traditional problems bound up with the use of hydraulic wedges. The parts, realized with care and attention, are more lasting than the ones of the traditional wedges. Both the cylinder and the ram are manufactured from a single piece of material, to provide the machine with the strength needed to operate at more than 300 bar pressures. Even if the wedge has been conceived to bear heavy loads for a long time, a joystick gives it great handiness and facility in the movements. The ease of handling derives by the position of the two rotation axis on the centre of gravity of the hydraulic wedge and by the presence of a ball bearing, which allow to rotate the wedge in every direction, reducing strain on the operator and increasing the productivity. Moreover, the symmetric design allows even the left-handed operators to easily work.



Power

The hydraulic wedge PROMAT can be used to break off almost any riser, giving good results both in quickness (high number of spreading cycles per minute) and in size of the risers.

User-friendship

The PROMAT hydraulic wedge is able to rotate in every direction without any strain on operator, thanks to the position of the two axis on its centre of gravity and to the presence of a ball bearing.

Quality and reliability

High quality materials and special design make the parts of the PROMAT hydraulic wedge very durable, reducing their replacement at minimum.

Flexibility

The great flexibility of PROMAT hydraulic wedges allows to use them in many different types of process. Thanks to the special shape of the front protections, the slides can be used for all their length, greatly increasing the work area.



Promat 40



Promat 50 Small



Promat 50



Promat 65



Promat 80



Promat 100



Promat 50 HF

User-friendship

Versatility and flexibility

Safety

The PROMAT hydraulic wedge works at very safe conditions. In fact, a total protection eliminates any risk for the operator to be damaged at his hand.

Ergonomics

The PROMAT hydraulic wedge is the result of R&D activities performed by ProService to reach new and more convincing outcomes in terms of an ergonomic and user-friendly machine. It is in fact able to rotate in every direction without any strain on the operator.



Quality and reliability



Lightness



Power



NEW This new PROMAT wedge has a high frequency of hits per minutes and is suitable for the risers breaking on DISAMATIC® moulding lines.