

MAGNETIC TECHNOLOGY

PERMANENT DRUM MAGNET

Model TMP

TECHNICAL SPECIFICATIONS

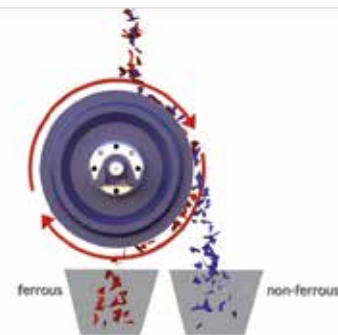
Drum magnets are mainly made of two parts, an inner fixed part consisting in the permanent magnet itself, which is active on about 200° of the circumference of the drum, and an outer part consisting in a rotating shell provided with knock-off bars.

Permanent drum magnets can feature a very strong attraction on their surface (possibly even stronger than electro magnet drums) but, at the same time, the use of permanent magnets limits the depth of their attraction. For this reason, it is recommended to feed the drum magnet from above with material falling on the drum. The ferrous is held on by the magnet and discharged separately from the natural trajectory of the non-ferrous stream.

The SGM Permanent Drum Magnets model TMP are used in many industries (car shredder, slag, foundries, domestic waste, wood waste, WEEE, etc) for many heavy duty applications and are designed in many different sizes. Feeders can be belts, shaker pans or chutes. Drum sprocket and drive assembly can be supplied upon request.

The SGM TMP magnets feature a unique proprietary magnetic circuit design which magnifies their magnetic gradient and attraction even on lightly magnetic materials. This proprietary magnetic circuit consists in a combination of Neodymium and Ferrite permanent magnet blocks where the Neodymium permanent magnets contribute to the strong attraction (gradient) while the Ferrite magnets still guarantee a deep attraction.

Some small diameter TMP magnets used for fines material, for which a deep attraction is not necessary, are only provided with Neodymium permanent magnets. For the best choice of your Permanent Drum Magnet Separator, please contact SGM for recommendations.



MODEL mm - ft	LENGTH	WIDTH
TMP 32/50 - 12 / 90	320 mm - 13"	960 mm - 38"
TMP 32/60 - 12 / 23	320 mm - 13"	1180 mm - 46"
TMP 32 / 80 - 12 / 31	320 mm - 13"	1350 mm - 53"
TMP 32 / 100 - 12 / 39	320 mm - 13"	1500 mm - 59"
TMP 40 / 50 - 15 / 19	410 mm - 16"	1500 mm - 59"
TMP 40 / 65 - 15 / 25	410 mm - 16"	1050 mm - 41"
TMP 40 / 95 - 15 / 37	410 mm - 16"	1150 mm - 45"
TMP 40 / 145 - 15 / 57	410 mm - 16"	1900mm - 75"
TMP 40 / 170 - 15 / 67	410 mm - 16"	2260 mm - 89"
TMP 40 / 195 - 15 / 76	410 mm - 16"	2400 mm - 95"
TMP 40 / 220 - 15 / 86	410 mm - 16"	2760 mm - 108"
TMP 50 / 75 - 15 / 29	510 mm - 20"	1300 mm - 51"
TMP 50 / 100 - 15 / 39	510 mm - 20"	1620 mm - 63"
TMP 50 / 125 - 15 / 49	510 mm - 20"	1810 mm - 71"
TMP 50 / 150 - 15 / 59	510 mm - 20"	2100 mm - 86"
TMP 50 / 180 - 15 / 70	510 mm - 20"	2350 mm - 92"
TMP 50 / 220 - 15 / 86	510 mm - 20"	2780 mm - 109"
TMP 60 / 60 - 23 / 60	610 mm - 24"	1255 mm - 49"
TMP 60 / 100 - 23 / 39	610 mm - 24"	1535 mm - 60"
TMP 60 / 120 - 23 / 47	610 mm - 24"	1855 mm - 73"
TMP 60 / 160 - 23 / 63	610 mm - 24"	2170 mm - 85"
TMP 60 / 190 - 23 / 75	610 mm - 24"	2470 mm - 97"
TMP 60 / 220 - 23 / 86	610 mm - 24"	2831 mm - 111"
TMP 80 / 100 - 31 / 39	800 mm - 31"	1580 mm - 62"
TMP 80 / 150 - 31 / 59	800 mm - 31"	2050 mm - 80"
TMP 80 / 180 - 31 / 70	800 mm - 31"	2350 mm - 92"
TMP 100 / 100 - 39 / 39	1000 mm - 39"	1800 mm - 70"
TMP 100 / 150 - 39 / 59	1000 mm - 39"	2300 mm - 90"
TMP 100 / 180 - 39 / 70	1000 mm - 39"	2600 mm - 102"
TMP 100 / 220 - 39 / 86	1000 mm - 39"	3000 mm - 118"

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TYPICAL APPLICATIONS

Car shredder
Slag
Foundries
Domestic waste
Wood waste
WEEE

