

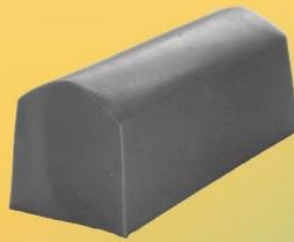
pad catalogue



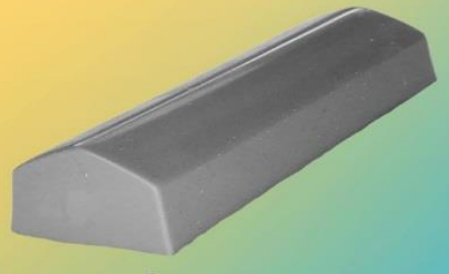
round



special



square



bar

For over 35 years Tampo Limited has been offering you the best that is available in pad printing technology.

- Comprehensive pad selection for all kinds of pad printing applications
- Tailored solutions developed for your requirement
- Expert advice and instruction

Tampo Ltd offers printing pads to satisfy any application in the product decoration industry and we hold a comprehensive range of designs which are manufactured in house.

Pads

The silicone rubber transfer pad was developed in the late 1960's. This led to the prominence of pad printing, within the product decoration industry. The function of the pad is to transfer the image from the printing plate to the product. A pad is composed of silicone rubber combined with silicone oil and can be manufactured in different shore hardnesses and many shapes and sizes, it is these three aspects working in combination that affect the quality of the printed image.

Shore hardness

Shore hardness is an important variable in pad design. It is measured by a

durometer, which determines the indentation hardness of materials. The hardness is determined by indenter penetration in the material with a calibrated, known force and displayed on a scale graduated equally from 0 to 100.

Variations are required in order to meet the diverse range of pad printing applications.

Generally, the harder the transfer pad, the better the print quality. A harder pad when compressed, will maintain its shape much longer than a pad of the same design with a softer shore. This retention of structure results in a better rolling effect and therefore is less likely to trap air. Also if a surface is textured, a harder shore pad will force itself into the texture whilst still maintaining its' shape.

There are four standard levels of hardness for pads available from Tampo, 0030, 0040, 0050 and 0060. 0040 shore meets most requirements whilst 0050/0060 are better suited to print on textured moulds and the 0030 shore gives good results on complex and delicate applications.

There are several different hardness scales used within the industry, if you are at all unsure which shore rating you require please do not hesitate to speak to a member of our team.

Shape

There are two basic pad shapes that all transfer pads imitate. The first and most common design is the cone-shaped pad. This has a defined tip. The pad body radiates down and away from the tip at a specified angle. Most rectangular, square and oblong pads utilize this feature.

The second shape is referred to as a “V-pad”. This resembles a rooftop with an apex running the length of the pad. The pad body radiates outward and downward from the apex.

The pad pulls the image out of the printing plate, due, to the ink tack that is created as the plate is doctored clean. The pad compresses onto the plate and a rolling effect occurs. This action pushes air away from the image. Sharper angles of descent and more defined tips and apexes on the pad enable less air entrapment and eliminates pinholes and a higher quality image transfer, both from the plate and to the product.

Size

Pads can vary dramatically in size, this is determined by a number of factors, including image area and machine dimensions.

As the pad compresses onto the printing plate and part, the print surface of the pad is absorbed into the pad body. The pad body acts as a support mechanism for the pad’s print surface. If the print surface is not adequately supported, it will deform, resulting in image distortion. When deciding on pad size the following must be considered; first, the pad must fit into the machine, it has to clear the plate holder, doctor blade holder, ink cup etc. during the machine cycle. Second, when compressed, the pad must not stretch into the ink build up that is present on the plate perimeter. Third, the machine must be capable of compressing the mass of silicone present.

If any of these criteria are not satisfied, the pad is too large.

Pad selection

Identify your image size, the pad must have a larger print area than the image being printed, this catalogue includes the image size capability of our pads. Consider the surface and shape of the product to be decorated, is it flat, curved, smooth or textured? This is important, as it will indicate the best shore hardness and angle of descent on the pad to be used. The pad must be compatible with the machine, both in size and in pressure applied, as excess pressure on the pad can cause print distortion. How long a run is the pad to perform, this will indicate the durability of the product required.

Custom pads

We can make any pad to any size in order to meet any specific requirement your project dictates. We have a range that includes multiple switch pads and pad matrixes for button and uneven surfaces, however, we can satisfy any unique requirement by designing a ‘special’ to meet it. But whether stock or special, all of our pads are precision made to deliver optimum results in production printing.

Pad bases

All of our square/rectangular, round and special pads are fixed to 9mm ply birch wood as standard.

Announcement

Due to recent circumstances the “T” and “P” code pads have been now phased out and are now redundant.

These have been replaced with the new “TN” codes which are now in circulation.

Please use this visual catalogue with print area and base size, to identify the correct replacement if you use any of our existing pads.

For any questions, please do not hesitate to ask to speak to one of our team regarding pads on 01784 460 500, alternatively you may email us at info@tampo.co.uk.

Bar pads



TN001

Print area: 270 x 20mm
Base Size: 312 x 35mm
Height: 33mm



TN002

Print area: 270 x 14mm
Base Size: 305 x 28mm
Height: 33mm



TN003

Print area: 270 x 10mm
Base Size: 314 x 20mm
Height: 28mm



TN004

Print area: 180 x 8mm
Base Size: 215 x 18mm
Height: 20mm



TN005

Print area: 125 x 19mm
Base Size: 155 x 38mm
Height: 34mm



TN006

Print area: 92 x 22mm
Base Size: 160 x 42mm
Height: 51mm



TN007

Print area: 145 x 24mm
Base Size: 232 x 45mm
Height: 57mm



TN014

Print area: 310 x 23mm
Base Size: 378 x 61mm
Height: 53mm



TN092

Print area: 175 x 8mm
Base Size: 110 x 23mm
Height: 27mm



TN112

Print area: 340 x 12mm
Base Size: 385 x 30mm
Height: 30mm

Height includes 9mm plywood base

For all your pad requirements call now on 01784 460 500



Rectangular & square pads



Print area: 75 x 10mm
Base Size: 113 x 34mm
Height: 33mm



Print area: 60 x 12mm
Base Size: 87 x 33mm
Height: 33mm



Print area: 60 x 12mm
Base Size: 84 x 49mm
Height: 33mm



Print area: 60 x 12mm
Base Size: 87 x 30mm
Height: 34mm



Print area: 45 x 5mm
Base Size: 72 x 23mm
Height: 25mm



Print area: 130 x 15mm
Base Size: 160 x 36mm
Height: 36mm



Print area: 45 x 30mm
Base Size: 75 x 56mm
Height: 59mm



Print area: 45 x 30mm
Base Size: 75 x 55mm
Height: 63mm



Print area: 40 x 40mm
Base Size: 70 x 70mm
Height: 59mm

Height includes 9mm plywood base

For all your pad requirements call now on 01784 460 500



Oriel House, Block F, Sunbury Business Centre, Brooklands Close, Sunbury on Thames, TW16 7DX

Rectangular & square pads



Print area: 47 x 47mm
Base Size: 80 x 80mm
Height: 61mm



Print area: 45 x 45mm
Base Size: 80 x 80mm
Height: 65mm



Print area: 60 x 60mm
Base Size: 95 x 95mm
Height: 78mm



Print area: 60 x 30mm
Base Size: 98 x 66mm
Height: 63mm



Print area: 75 x 32mm
Base Size: 120 x 82mm
Height: 65mm



Print area: 80 x 22mm
Base Size: 122 x 57mm
Height: 61mm



Print area: 55 x 18mm
Base Size: 87 x 78mm
Height: 52mm



Print area: 80 x 35mm
Base Size: 145 x 85mm
Height: 73mm



Print area: 75 x 50mm
Base Size: 126 x 86mm
Height: 87mm

Height includes 9mm plywood base

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Oriel House, Block F, Sunbury Business Centre, Brooklands Close, Sunbury on Thames, TW16 7DX

Rectangular & square pads



Print area: 25 x 7mm
Base Size: 65 x 50mm
Height: 40mm



Print area: 26 x 5mm
Base Size: 57 x 57mm
Height: 48mm



Print area: 70 x 20mm
Base Size: 118 x 54mm
Height: 60



Print area: 36 x 15mm
Base Size: 67 x 38mm
Height: 50mm



Print area: 75 x 32mm
Base Size: 114 x 61mm
Height: 60mm



Print area: 32 x 15mm
Base Size: 62 x 62mm
Height: 50mm



Print area: 40 x 15mm
Base Size: 68 x 31mm
Height: 57mm



Print area: 22 x 17mm
Base Size: 60 x 46mm
Height: 45mm



Print area: 15 x 15mm
Base Size: 62 x 62mm
Height: 46mm

Height includes 9mm plywood base

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Oriel House, Block F, Sunbury Business Centre, Brooklands Close, Sunbury on Thames, TW16 7DX

Rectangular & square pads



Print area: 25 x 10mm
Base Size: 70 x 47mm
Height: 45mm



Print area: 65 x 15mm
Base Size: 98 x 33mm
Height: 55mm



Print area: 65 x 13mm
Base Size: 112 x 38mm
Height: 43mm



Print area: 50 x 15mm
Base Size: 109 x 62mm
Height: 47mm



Print area: 100 x 35mm
Base Size: 122 x 83mm
Height: 77mm



Print area: 140 x 80mm
Base Size: 204 x 128mm
Height: 87mm



Print area: 70 x 40mm
Base Size: 118 x 90mm
Height: 67mm



Print area: 60 x 30mm
Base Size: 112 x 73mm
Height: 67



Print area: 60 x 30mm
Base Size: 112 x 73mm
Height: 67

Height includes 9mm plywood base

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Oriel House, Block F, Sunbury Business Centre, Brooklands Close, Sunbury on Thames, TW16 7DX

Rectangular & square pads



TN073

Print area: 40 x 30mm
Base Size: 78 x 66mm
Height: 50mm



TN074

Print area: 80 x 30mm
Base Size: 126 x 73mm
Height: 67mm



TN075

Print area: 75 x 22mm
Base Size: 125 x 52mm
Height: 68mm



TN076

Print area: 40 x 15mm
Base Size: 63 x 31mm
Height: 51mm



TN078

Print area: 40 x 13mm
Base Size: 83 x 65mm
Height: 45mm



TN079

Print area: 45 x 13mm
Base Size: 83 x 65mm
Height: 47mm



TN082

Print area: 40 x 26mm
Base Size: 75 x 60mm
Height: 46mm



TN083

Print area: 45 x 20mm
Base Size: 80 x 52mm
Height: 64mm



TN084

Print area: 26 x 8mm
Base Size: 68 x 42mm
Height: 40mm

Height includes 9mm plywood base

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Oriel House, Block F, Sunbury Business Centre, Brooklands Close, Sunbury on Thames, TW16 7DX

Rectangular & square pads



Print area: 32 x 13mm
Base Size: 52 x 31mm
Height: 47mm



Print area: 60 x 15mm
Base Size: 93 x 35mm
Height: 36mm



Print area: 62 x 22mm
Base Size: 107 x 60mm
Height: 65mm



Print area: 78 x 50mm
Base Size: 40 x 12mm
Height: 54mm



Print area: 52 x 23mm
Base Size: 88 x 53mm
Height: 68mm



Print area: 86 x 30mm
Base Size: 128 x 70mm
Height: 65mm



Print area: 120 x 45mm
Base Size: 202 x 108mm
Height: 77mm



Print area: 23 x 10mm
Base Size: 58 x 24mm
Height: 48mm



Print area: 33 x 18mm
Base Size: 71 x 54mm
Height: 59mm

Height includes 9mm plywood base

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Rectangular & square pads



TN096

Print area: 55 x 32mm
Base Size: 92 x 78mm
Height: 57mm



TN101

Print area: 38 x 13mm
Base Size: 64 x 32mm
Height: 49mm



TN102

Print area: 50 x 50mm
Base Size: 85 x 85mm
Height: 59



TN103

Print area: 55 x 50mm
Base Size: 98 x 88mm
Height: 67mm



TN104

Print area: 70 x 38mm
Base Size: 118 x 75mm
Height: 66mm



TN105

Print area: 90 x 46mm
Base Size: 132 x 90mm
Height: 62mm



TN106

Print area: 82 x 55mm
Base Size: 138 x 105mm
Height: 77mm



TN107

Print area: 105 x 45mm
Base Size: 160 x 88mm
Height: 94mm



TN108

Print area: 165 x 80mm
Base Size: 240 x 130mm
Height: 99mm

Height includes 9mm plywood base

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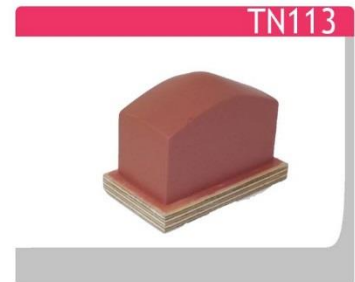
Rectangular & square pads



Print area: 120 x 85mm
Base Size: 195 x 150mm
Height: 98mm



Print area: 42 x 13mm
Base Size: 78 x 38mm
Height: 50mm



Print area: 43 x 20mm
Base Size: 78 x 42mm
Height: 54mm



Print area: 60 x 42mm
Base Size: 106 x 73mm
Height: 65mm



Print area: 65 x 65mm
Base Size: 110 x 110mm
Height: 55mm



Print area: 10 x 10mm
Base Size: 17mm x 17mm
Height: 29mm

Height includes 9mm plywood base

For all your pad requirements call now on 01784 460 500



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Round pads



TN015

Print area: 65mm dia.
Base Size: 110mm dia.
Height: 70mm



TN016

Print area: 55mm dia.
Base Size: 107mm dia.
Height: 65mm



TN017

Print area: 76mm dia.
Base Size: 50mm dia.
Height: 63mm



TN018

Print area: 50mm dia.
Base Size: 76mm dia.
Height: 56mm



TN019

Print area: 50mm dia.
Base Size: 83x64mm
Height: 64mm



TN020

Print area: 32mm dia.
Base Size: 58x58mm
Height: 51mm



TN021

Print area: 26mm dia.
Base Size: 63x63mm
Height: 53mm



TN022

Print area: 13mm dia.
Base Size: 40mm dia.
Height: 40mm



TN023

Print area: 30mm dia.
Base Size: 60mm dia.
Height: 58mm

Height includes 9mm plywood base

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Round pads



TN024

Print area: 36 x 20mm
Base Size: 70 x 55mm
Height: 58mm



TN025

Print area: 37mm dia.
Base Size: 70mm dia.
Height: 58mm



TN026

Print area: 20mm dia.
Base Size: 60mm dia.
Height: 43mm



TN027

Print area: 60mm dia.
Base Size: 95mm dia.
Height: 55mm



TN028

Print area: 25mm dia.
Base Size: 50mm dia.
Height: 46mm



TN029

Print area: 35mm dia.
Base Size: 60mm dia.
Height: 48mm



TN030

Print area: 27mm dia.
Base Size: 50mm dia.
Height: 48mm



TN031

Print area: 10mm dia.
Base Size: 20mm dia.
Height: 23mm



TN032

Print area: 10mm dia.
Base Size: 20mm dia.
Height: 28mm

Height includes 9mm plywood base

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Round pads



TN033

Print area: 55mm dia.
Base Size: 95mm dia.
Height: 93mm



TN034

Print area: 36mm dia.
Base Size: 65mm dia.
Height: 59mm



TN035

Print area: 50mm dia.
Base Size: 95mm dia.
Height: 84mm



TN036

Print area: 80mm dia.
Base Size: 150mm dia.
Height: 98mm



TN037

Print area: 45mm dia.
Base Size: 95mm dia.
Height: 83mm



TN038

Print area: 11mm dia.
Base Size: 25mm dia.
Height: 36mm



TN065

Print area: 60mm dia.
Base Size: 96mm dia.
Height: 70mm



TN068

Print area: 80mm dia.
Base Size: 130 x 130mm
Height: 100mm



TN097

Print area: 52mm dia.
Base Size: 103 x 96mm
Height: 67mm

Height includes 9mm plywood base

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Round pads



Print area: 36mm dia.
Base Size: 82mm dia.
Height: 50mm



Print area: 85mm dia.
Base Size: 127mm dia.
Height: 83



Print area: 25mm dia.
Base Size: 60mm dia.
Height: 45mm

Height includes 9mm plywood base

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Special pads



TN057

Print area: 17 x 13mm
Base Size: 62 x 62mm
Height: 55mm



TN069

Print area: Enquire
Base Size: 87mm dia.
Height: 62mm



TN077

Print area: 70 x 40mm
Base Size: 150 x 90mm
Height: 83mm



TN080

Print area: 25mm dia.
Base Size: 58mm dia.
Height: 66mm



TN081

Print area: 25mm dia.
Base Size: 58mm dia.
Height: 65mm



TN094

Print area: Enquire
Base Size: 46mm dia.
Height: 59mm



TN099

Print area: 15 x 10mm
Base Size: 64 x 64mm
Height: 46mm



TN115

Print area: 55mm dia.
Base Size: Enquire
Height: 44mm

For all your pad requirements call now on 01784 460 500

Height includes 9mm plywood base

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Pad printing plates

Pad & screen printing inks and consumables



Pad printing machinery

Screen printing machinery



Machine servicing & support

Sampling and print development





Pad printing, screen printing machines and consumables

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