

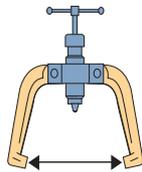
Sykes-Pickavant pullers are manufactured to a very high specification and subjected to rigorous testing - far exceeding their stated capacities.

The legs and beams are drop forged from high quality steel and then heat treated for extra strength and durability. Pullers are normally classified as either hydraulic or mechanical with many different types within these two styles.

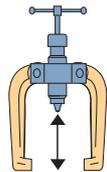
Choosing the right puller for the job



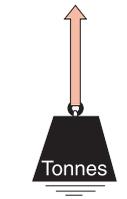
Always use a 3 leg puller if possible.
This gives a better load distribution and is much safer in use.



Decide what **'spread'** is required. This is determined by the width of the part to be pulled.



Decide what **'reach'** is required. This must be at least equal to or larger than the depth of the part which needs removal.



Estimate out what **'force'** is required. More force may be required for rusted parts or where there is a large area of surface contact. Hydraulic pullers enable maximum force to be applied with minimum effort. Alternatively, choose a puller whose force screw diameter is at least half the size of the shaft of the item to be removed. If in doubt, use the next largest - using an undersized puller will slow down the job and lead to frustration.

Types of Puller



Hydraulic Pullers
These have a simple, grease-filled ram instead of a mechanical force screw, producing extra power with ease. The spring loaded plunger provides direct, non twisting application of thrust which is more effective and more secure.



Loadstar Hydraulic Pullers
Various styles available; Loadstar 8, 12 & 20 Tonne and Loadstar 'Plus' 20, 30 & 50 Tonne. For heavy duty pulling and extracting.



Mechanical Pullers
These use a mechanical force screw.



Thin Jaw Pullers
These have special legs for use where clearance is limited behind the gear or bearing race. Available in both hydraulic and mechanical.



Blind Housing Bearing Removers
These operate without the need to dismantle machinery or remove the running shaft.



Separators
For where all round support is required or where there is insufficient space for standard puller legs.



Slide Hammers
Used when there is no shaft, making a conventional puller unsuitable.



Split Collet Extractors
For blind housing internal use. The split collet is pushed into the centre of the bearing and then expanded via the hex nut on the end of the collet.

Quick Reference Guide

Puller Spread Max mm	Puller Reach Max mm	External Reach Max mm	Adaptor Diameter	2 & 3 Leg Kits	Safe Working Load (tonnes)	Ram Extension mm	External Spread mm	Internal Spread mm	Part No.