

bar material storage technology - guidelines for system selection

storemaster® offers the following basic options for material feeding on bar material processing machines:

Since rod material comes in a wide variety of cross-sections, dimensions and weights, storemaster® also offers the different storage and Handling systems.

Starting with the classic **ArmStrong®** cantilever rack, this entire, closed bundle can be stored inexpensively by front or side stacker (reduces the aisle width requirement) using the entire hall height, and then usually also processed as a bundle on the machine become.

If bundles are only to be partially processed or several smaller bundles are to be accommodated in one compartment, the **ArmStrong®plus** system with additional, separable long goods cassettes is used. These are stackable and suitable for forklift and crane transport, so that a combined onward transport to the machine is also conceivable (removal from the shelf by forklift with subsequent pick-up by the indoor crane).

If there are neither indoor cranes nor side stackers available with aisle widths that are only available to a limited extent, the particularly space-flexible long goods wagon with material storage at working height is a very useful accessory. After removal from the **ArmStrong®** or **ArmStrong®plus** by a simple front stacker, entire bundles or the long goods cassettes can be moved to processing manually or by forklift.

Another inexpensive long goods cantilever system within reach is the **ArmStrong®V**, in which entire bundles can be stored by crane using handling accessories and manually assembled commissions can be removed again by crane. A bundle removal by crane is prohibited because of the impermissible diagonal pull (except for the crane able top level of the shelf). The prerequisite for this handling, however, is that the individual bars according to accident prevention do not exceed a weight of 20 kg.

The ultimate most comfortable rod u. Long goods shelving system is certainly the ergonomic **ArmStrong®swingout** with ergonomically and economically viable storage levels 3,000 kg load capacity at 750 mm usable depth on 3 arms by crane handling. With up to 8 height-adjustable swivelling levels at gripping height (+ crane able head level) + additional stackable forklift levels for full height utilization, this system has already been implemented for material lengths of 12 m (no problems 20 m possible). The system is also characterized by a particularly high degree of flexibility, since specialist subdivisions for every bundle size, as well as divisible insert material trays for any quantity of rod material in any dimension and rod length, ensure clear, perfect crane handling. Electrified 10 t / level are possible. Of course, the system is also suitable for the storage of crane able long goods cassettes.

With an extremely high number of material types, which also result in a lot of short and remaining lengths, as well as frequent access when processing relatively small lots, the drawer system **TwenTower®LG** offers a particularly space-saving and clear storage of all, neatly separated rod lengths with immediate access and a capacity of up to 500 types in up to 13 drawers at gripping height in single and double-sided design with the patented BG push-through protection the ideal conditions. The remaining bar trolley is a patent addition to the provision of up to 360 types of remaining material lengths for spontaneous availability on the machine.

storemaster® bar material project data

project data:			length 3m 10 ft	length 6m 20 ft	length 12m 40 ft	custom length
operation by crane			yes		no	
operation by forklift			yes		no	
storage and removal in bundles			yes		no	
storage and removal of single rods/bars/...			yes		no	
numerous types in smaller quantities			yes		no	
material tray for short-/remaining lengths			yes		no	
compartment division			yes		no	
use of dividable long goods cassettes	yes	no	stackable		craneable	moveable
usable depth per shelf (mm/inch)						
desired payload per shelf (kg/lb)						
number of shelves with usable height (mm/inch) per shelf					pcs	75
					pcs	125
					pcs	150
					pcs	200
					pcs	275
					pcs	350
					pcs	425
					pcs	500
					pcs	575
					pcs	650
number of shelves:			one sided	pcs	double sided	Stk
other information:						