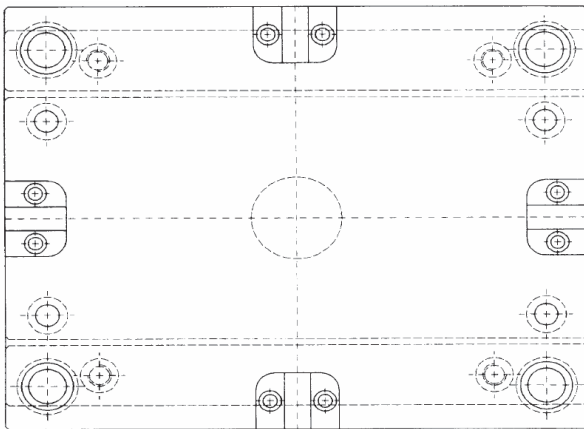




## MOULD CENTERERS

### PRODUCT DESCRIPTION



All our range of centerers that we present in this catalogue edition include graphite insertions in order to self-lubricate its working in one of the pieces, the other one being coated with a TiN treatment at 2300 Hv for reducing seizing.

Side centerers make it possible to guarantee the appropriate alignment for the main plates in the mould.

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The fact of making the allocations in the mould bearer axis allows us to ensure the zero point of the whole structure. The flat centerer keeps the axis invariable where it is located as well as absorbs the +B27 longitudinal dilatations of that axis. The system of fixing to plate of our centerers allows making all the mechanization of the plates, figure allocations and centering system in a single operation, which guarantees a greater precision of execution.

### FEATURES

Cr, Mo-V (chromium-molybdenum-vanadium) steel with intermediate alloy, high hot strength and wear resistance, including hot wear; with good toughness and resistance to cracking for overheating. Well suited to water cooling.

#### **1.2344/X40CrMbSiV5**

%	C	Mn	Si	P ≤	S ≤	Cr	Mo	V	Ni	Other
min.	0.37	0.3	0.9	-	-	4.8	1.2	0.9	-	-
max.	0.43	0.5	1.2	0.03	0.03	5.5	1.5	1.1	-	-
Tensile Strength Rm N/mm <sup>2</sup> , min										1820
Yield Strength Rp0.2 N/mm <sup>2</sup>										1520
Thermal Conductivity W/m°C										25
Rockwell Hardness HRC										54

One of the parts of the centerer is coated with a titanium nitride coating. It affords good protection against abrasive and adhesive wear. It often serves as a wear-indicating treatment. The coating is biocompatible and safe for food contact.

<u>Coating material</u>	<u>TiN</u>
<u>Microhardness HV</u>	<u>2300</u>
<u>Friction coefficient against steel (dry)</u>	<u>0.4</u>

## **LUBRICATION**

The other part of BOLEXP centerers includes small insertions in the sliding surface, where compacted graphite is deposited as a solid lubricant, which creates a thin layer acting as a self-lubricant.

The graphite used is a material with an extremely low chemical-inertia level, not interacting with most elements in nature under normal conditions. This ensures regular behaviour through the piece lifetime without unexpected contingency.