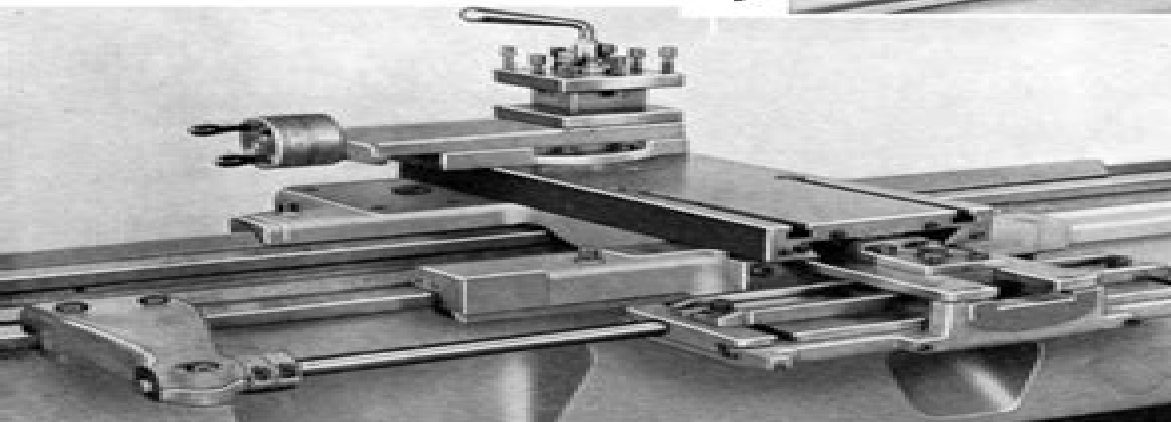


DRILLING TABLE

The machine is equipped with this attachment allowing the boring of accurate holes and in many cases substituting a horizontal boring and milling machine. The table is mounted on the cross guide-ways of the saddle after having removed the cross slide. The boring is done either by a tool chucked in the spindle taper (short and blind holes), or by using a boring bar supported on the tailstock centre (through holes).

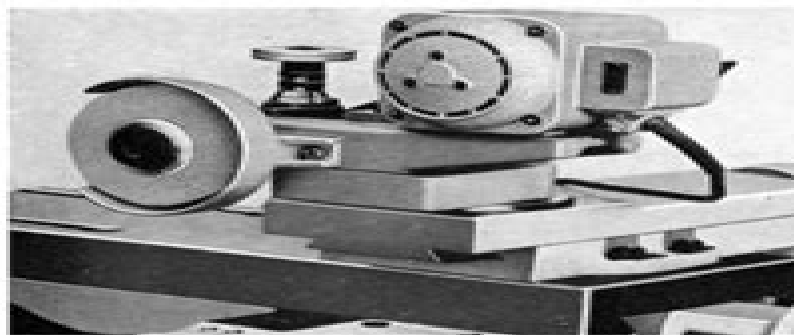
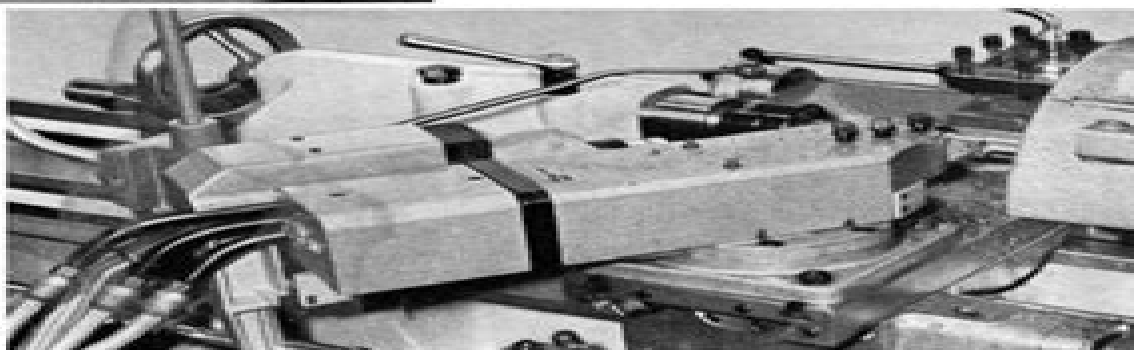


THE TAPER TURNING ATTACHMENT

is an important accessory to the universal lathe and is intended for precision taper turning. It is mounted on the rear of the machine. The taper turning bar is provided with a scale allowing rough setting of taper, while the fine setting is done by means of a gauge.

HYDRAULIC COPYING ATTACHMENT IKS 1

This auxiliary equipment allows lathe-turning operations to be carried out by precision duplication according to a template or a work specimen. The most various shapes and stepped surfaces can be copied. The attachment is employed for longitudinal as well as for facing operations by the copying method.



Toolpost Grinding Machine



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web description aisi 4145 carbon steel and mechanical properties chemical element cross reference datasheet datasheet for steel grades carbon steel aisi 4145 chemical composition mass fraction wt of the aisi 4145 mechanical properties of steel grade aisi 4145 physical properties of steel grade aisi 4145

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web characteristics aisi sae 4145h grade is a low alloy steel containing chromium and molybdenum as strengthening agents the steel has good fatigue strength and impact toughness in low temperature weldability and machinability applications

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web tensile strength 115 234 σ_b mpa yield strength 23 $\sigma_0.2$ mpa elongation 65 65 ψ ψ_{akv} ψ_{akv} j hbs 123 321 hrc 30 aisi

4145 mechanical properties tensile strength 231 231 ob mpa yield strength 154 σ 0 2 mpa elongation 56 65 ψ ψ akv akv j hbs 235 268 hrc 30 aisi 4145 heat treatment regime

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web it has improved hardenability and is more commonly used in the high strength condition with minimum yield 125 ksi 110 ksi applications aisi 4145h is a low alloy steel suitable for downhole drilling tools such as subs x overs drill collars pup joints and fishing tools

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web in comparison with carbon steels alloy steels are a lot more responsive to mechanical and heat treatments alloy steels can be subjected to unique melting and deoxidization processes for specific kind of applications the following datasheet provides an overview of aisi 4145 alloy steel

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web dec 18 2019 aisi 4140 alloy steel can be tempered at 205 to 649 c 400 to 1200 f depending upon the desired hardness level the hardness of the steel can be increased if it has a lower tempering temperature for example a tensile strength of 225 ksi can be achieved by tempering at 316 c 600 f and tensile strength of 130 ksi can be

sae aisi 4145 scm445 g41450 cr mo steel makeitfrom com - Dec 13 2022

web may 30 2020 shear strength 360 mpa 52 x 103 psi tensile strength ultimate uts 580 mpa 85 x 103 psi tensile strength yield proof 360 mpa 53 x 103 psi thermal properties latent heat of fusion 250 j g maximum temperature mechanical 420 c 790 f melting completion liquidus 1460 c 2650 f

4145h modified api spec 7 voestalpine - Apr 17 2023

web description aisi 4145h is a chromium molybdenum quality alloy steel specification as a high tensile steel grade aisi 4145h is primarily supplied in the hardened and tempered condition to 30 36hrc range to aisi 4145h modified

aisi 4145 4145h steel astm a29 waldun steel - Sep 22 2023

web aisi 4145h has improved hardenability and is more commonly used in the high strength condition with min 110 ksi yield we welcome enquiries for aisi 4145 4145h steel contact our sales office for further details aisi 4145 4145h

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web the specification defines the requirements for aisi 4145 hot rolled crmo bars hardened and tempered to meet either 110ksi 120ksi or 125ksi minimum yield strength steel manufacture steel is manufactured via electric arc furnace followed by ladle refining and vacuum degassing and is either cast into bottom

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web aisi 4145 is a chromium molybdenum alloy steel grade widely used in the oil and gas sectors for down hole applications

similar to aisi 4140 but with a higher carbon content 4145 is more popular in larger diameters due to its increased strength and hardenability

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web description aisi 4145h is a chromium molybdenum low alloy tempered steel it has improved hardenability and is more is commonly used in the high strength condition with min 110 ksi yield related standards equivalent materials en 1 7225 this material data has been provided by sverdrup steel

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web aisi 3312 1 2 aisi 4130 3 4 aisi 4140 5 7 aisi 4145 8 aisi 4340 9 10 aisi 8620 11 12 2 cold finished steels aisi 1018 13 14 aisi 12l14 15 aisi 1045 t g 16 17 chromed shafting 18 induction hardened shafting 19 aisi 4140 precision 20 3 hot rolled steels aisi 1020 21 aisi 1040 1050 22 23 4 tool steels aisi o 1 24

aisi 4145 alloy steel uns g41450 composition properties - Jul 20 2023

web jun 1 2023 aisi 4145 exhibits excellent strength toughness and wear resistance as a low alloy steel grade the minimum yield strength of aisi 4145 is 89 ksi while the ultimate tensile strength is between 125 140 ksi depending on the heat treatment conditions

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web as compared to 4140 the 4145 mod grade has higher levels of chromium and molybdenum which will provide much deeper hardening into the steel after austenitizing quenching and tempering this alloy should not be confused with aisi 4145 as the chemical limits for the modified version are much higher