

New in our product range

HT⁺ valve seat inserts – extended KS product range

HT⁺ valve seat inserts – consistent further development through new material composition

Extension of the product range for thermally highly strained engines.

The HT⁺ valve seat inserts complete the product portfolio of the successful HM- and HT valve seat insert range.

HT is short for "high temperature resistance".

The "plus" stands for the further development of the HT series.

Against the backdrop of the current consumption and CO₂ emission requirements, today's engine technologies are faced with challenges such as downsizing, turbo charging, gas operation as well as high engine outputs per litre. With the new HT⁺ material the valve seat inserts satisfy the growing requirements of thermally highly strained engines.

NEW!

In KS quality

Advanced material composition

Especially suitable for thermally highly strained engines



Characteristics of the HT⁺ valve seat inserts

The HT⁺ valve seat inserts are, just like the HM and HT valve seat inserts, characterised by excellent machinability. The HT⁺ material is a further development based on of the trusted HT material. The new material composition reduces the risk of the valve seat inserts being microwelded onto the valve. The excellent thermal conductivity of the HT valve seat inserts has been further improved with the HT⁺ valve seat inserts. The increased action of heat caused by the prolonged burning times in gas operation is thereby specifically counteracted.

The material composition of the HT⁺ valve seat inserts has been adapted for good machinability and high wear resistance. Provided the section is unblemished, the wear on your cutting tools is thereby kept to a minimum.

Due to the addition of the HT⁺ material and thus more extensive material rangewe recommend the use of the material classes as follows:

Series	Recommendation
HM	Low performance petrol and diesel engines with low to normal strain
HT	High-performance, highly charged, highly strained petrol and diesel engines
HT ⁺	Utilisation of gases such as LPG, CNG, propane gas, Flex Fuel; high-performance petrol and diesel engines

Overview of offered HT⁺ valve seat inserts with dimensions

HT⁺ valve seat inserts are available with outside diameters of 24.00 to 53.65 mm. The range is continuously extended. Customised items can be obtained on demand.

Outside Ø (mm)	Inside Ø (mm)	Height (mm)	Part no.	Outside Ø (mm)	Inside Ø (mm)	Height (mm)	Part no.
24.000	18.000	8.000	50 009 650	34.000	24.000	10.000	50 009 671
25.000	19.000	8.000	50 009 651	34.500	27.000	10.000	50 009 672
27.000	20.000	8.000	50 009 693	35.000	28.000	10.000	50 009 673
28.000	22.000	10.000	50 009 652	35.000	25.000	10.000	50 009 674
28.500	22.000	10.000	50 009 653	36.000	29.000	10.000	50 009 675
29.000	23.000	10.000	50 009 654	36.000	26.000	10.000	50 009 676
29.500	23.000	10.000	50 009 655	36.500	29.000	10.000	50 009 677
30.000	23.000	10.000	50 009 656	37.000	30.000	10.000	50 009 678
30.000	20.000	10.000	50 009 657	38.000	31.000	10.000	50 009 679
30.190	24.100	8.100	50 009 658	38.000	28.000	10.000	50 009 680
30.500	23.000	10.000	50 009 659	39.000	32.000	10.000	50 009 681
31.000	24.000	10.000	50 009 660	40.000	29.000	10.000	50 009 682
31.000	21.000	10.000	50 009 661	41.000	33.000	10.000	50 009 683
31.500	24.000	10.000	50 009 662	41.500	33.000	10.000	50 009 684
32.000	24.000	9.000	50 009 663	44.000	33.000	10.000	50 009 685
32.000	25.000	10.000	50 009 664	45.000	37.000	12.000	50 009 686
32.000	22.000	10.000	50 009 665	45.000	34.000	12.000	50 009 687
32.500	25.000	10.000	50 009 666	47.000	36.000	12.000	50 009 688
33.000	26.000	10.000	50 009 667	53.200	43.000	7.000	50 009 690
33.000	23.000	10.000	50 009 668	53.700	43.000	10.000	50 009 691
33.500	26.000	10.000	50 009 669	54.200	43.000	8.600	50 009 689
34.000	27.000	10.000	50 009 670	54.650	43.690	10.000	50 009 692



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The Motor Service Group is the sales organisation for the worldwide aftermarket activities of Kolbenschmidt Pierburg. It is one of the leading suppliers of engine components for the independent aftermarket including the premium brands KOLBENSCHMIDT, PIERBURG and TRW Engine Components. Our comprehensive product range allows our customers to procure engine components from a single source. As a problem solver for dealers and repair shops, Motor Service offers extensive services and the technical expertise that you would expect from the subsidiary of one of the largest automotive suppliers.

KSPG (Kolbenschmidt Pierburg). Renowned supplier to the international automotive industry.

As long-standing partners to the automotive industry, the companies in the KSPG Group develop innovative components and system solutions with acknowledged competence for air supply and emission control, for oil and water pumps, for pistons, engine blocks and engine bearings. The products comply with the high demands and quality standards of the automotive industry. Low emission, reduced fuel consumption, reliability, quality and safety – these are the forces that drive innovation at Kolbenschmidt Pierburg.