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DIN 5466-1:2000-10 Splined joints, calculation of load capacity - Part 1: General basis German title Tragfähigkeitsberechnung von Zahn- und Keilwellen-Verbindungen - Teil 1: Grundlagen Publication date 2000-10 Original language German

DIN 5466-1 - 2000-10 - Beuth.de

DIN 5466-1:2000-10 . Splined joints, calculation of load capacity - Part 1: General basis. STANDARD published on 1.10.2000

Standard DIN 5466-1:2000-10 1.10.2000

DIN 5466-1:2000-10. The document deals about the general basis for the calculation of flank and diameter centered joints with clearance and transition fits made of metal materials. The basic equations are described regardless of the corresponding tooth or spline geometry. Th.

DIN 5466-1:2000-10

DIN 5466-1:2000-10 . Splined joints, calculation of load capacity - Part 1: General basis. Automaticky přeložený název: Drážkové spoje, výpočet únosnosti - Část 1: Všeobecné základ. NORMA vydána dne 1.10.2000

Norma DIN 5466-1:2000-10 1.10.2000 - NORMSERVIS s.r.o.

Abstract: The design of splined joints used in industrial applications frequently re-sults in maximum flank pressure. This often leads to overdimensioning and in cer-tain cases to failure of the shaft-hub connection. The existing german standard DIN 5466 for the calculation of load capacity, when coupled with increasing power den-

Calculation of involute splines under elastic material ...

With a gear-shaped profile on one end, these shafts transmit high rotational loads— good for hydraulic systems, machine tools, and other high-torque applications. Compared to keyed shafts, they last longer, handle higher torque, and do not require as tight of a fit. Shafts are 1045 carbon steel, a general purpose shafting material that balances high strength and good machinability.

Spline Shafts | McMaster-Carr
DIN 5466-1 German Language - SPLINED JOINTS, CALCULATION OF LOAD CAPACITY; INTRODUCTION A description is not available for this item.

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1.29 1.91 2.45 3.24 3.96 5.01 5.82 7.43 9.30 12.34 15.30 material: aisi c 1045 spline split collar part no. profile Øa 42 50 52 62 70 80 95 28 36 38 48 56 65 75 kn 11 x 14 kn 13 x 16 kn 16 x 20 kn 21 x 25 kn 26 x 32 kn 32 x 38 kn 42 x 48 kc 11 kc 13 kc 16 kc 21 kc 26 kc 32 kc 42 Øb Øb 1 4.3 4.3 5.3 6.4 6.4 8.5 10.5 Øc h7 20 22 25 35 40 50 ...

Splines To DIN 5463 - American Metric Corporation
din 5466-2 draft : german language - splined joints - calculation of load capacity - part 2: splined joints according to din 5480

DIN 5466-2 DRAFT : German Language - SPLINED JOINTS ...
In PETERSON'S STRESS CONCENTRATION FACTORS, Second Edition by Pilkey, a value of 2.8 is given in section 5.3 (splined shafts in torsion). Three definitive sources for calculation methods of splines: (1) DIN 5466-1 Splined joints, calculation of load capacity - Part 1: General basis (2) DIN 5466-2 Splined joints - Calculation of load capacity - Part 2: Splined joints according to DIN 5480

Stress concentration factor in splines - Spacecraft ...
DIN 5480-1 5 Previous editions DIN 5480-1: 1966-12, 1974-09, 1986-03, 1991-10 DIN 5480-14: 1966-12, 1974-09, 1986-03 1 Scope This standard applies to splined connections with involute splines based on reference diameters for connecting hubs and shafts either with a removable connection, a sliding fit or a permanent fit. It lays down

DIN 5480-1 Splined connections with involute splines based ...
Step 1: Reference diameter. The tooth interlock of a shaft and hub splined connection is determined by the basic rack profile, the reference diameter, the module and the number of teeth. For example : DIN 5480 W 50 x 2 x 24 x 8h DIN 5480 N 50 x 2 x 24 x 9H