ZERTIFIKAT ◆ CERTIFICATE ◆ 認証書 ◆ СЕРТИФИКАТ ◆ CERTIFICADO ◆ CERTIFICAT

Czech

INSPECTION CERTIFICATE

Evidence number 09.197.415

Issued in accordance with ČSN EN ISO/IEC 17020 for organization:

DT-Výhybkárna a strojírna, a.s.
Dolní 3137/100
796 01 Prostějov
Czech republic

We certify the compliance of bellow specified device, based on the results performed by the checking, testing and evaluation specified in TÜV SÜD Czech Inspection report evidence number 09.197.414 dated 2016-11-24:

Name:	**Point machine - control system**
Type designation:	**DT7**
Modification:	**DT7HZKZ140101**
Serial number:	**6510056**

With requirements of ČSN EN ISO 13849-1:2016 (idt EN ISO 13849-1:2015),
ČSN EN ISO 13849-2:2013 (idt EN ISO 13849-2:2012)

as a system relating to safety at the level of category 4 and PL= e.

Conditions of validity:

specified in TÜV SÜD Czech Inspection report, evidence number 09.197.414 dated 2016-11-24.

Detailed technical data are specified on the page 2.

Ostrava, 2016-11-25

TÜV SÜD Czech s.r.o.

TÜV SÜD Czech s.r.o. : Ing. Roman Prášek, Ph.D.

TÜV®

Detailed technical data characterizing type of product:

Name:	**Point machine - control system**
Type designation:	**DT7**
Minimal track gauge:	1000 mm
Switch rail opening:	32 up to 100 mm
Operating force:	5-8 kN
Torque for manual operation:	150 up to 250 Nm
Trailing force:	8 up to 10 kN
Operation time:	1 up to 2 s
Sensors of checking rods and locks:	Inductive (6x Balluff BES M18EI-PSC80B-S04G / BES02H0)
Supply voltage of inductive sensors:	24 V DC (min. 10 V DC, max 30 V DC)
Supply of electrohydraulic drive:	24V/DC 230V/AC 380V/AC 600-750V/DC

Assessed as control system of point machine is defined by the following components:
- The mechanical part of a point machine - springs
- The mechanical part of a point machine - conduction slat ratchets
- The mechanical part of a point machine - the main rod
- The mechanical part of a point machine - checking rod
- Control system of point machine - of assessment according to EN 61508 (SIL 3)