

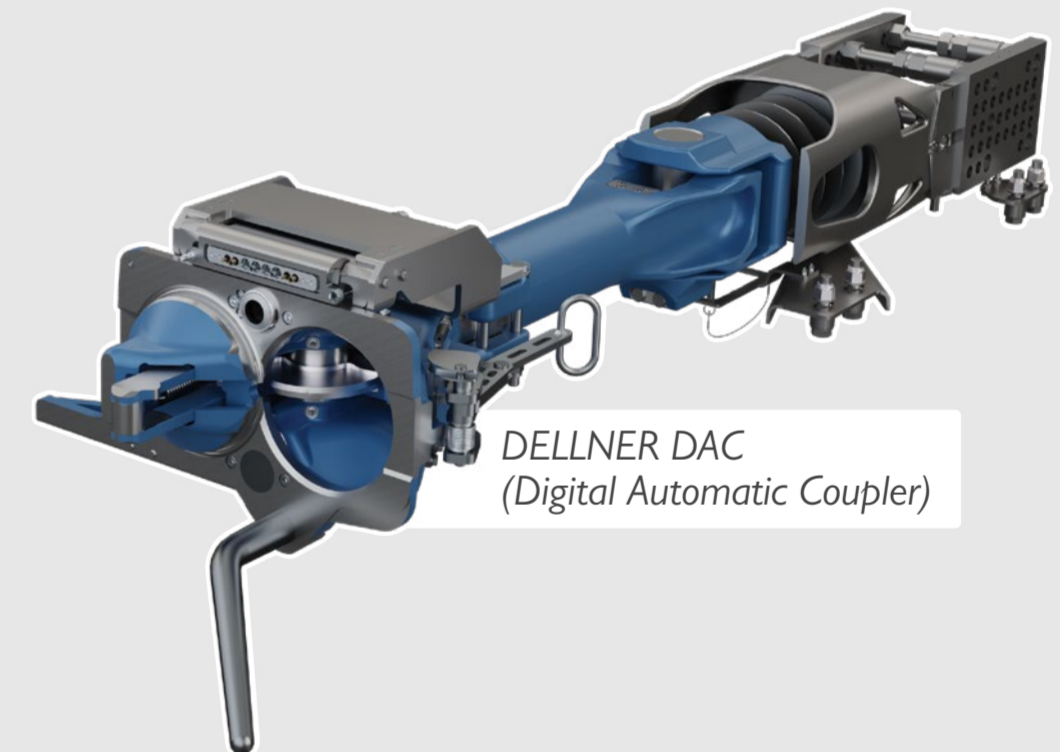


TRAIN CONNECTION SYSTEMS



INCREASE THE EFFICIENCY AND TRANSPARENCY
OF YOUR **RAIL FREIGHT VEHICLES**
WITH DELLNER **DAC COUPLERS**

FP5TRAN S4M-R
Transforming
Europe's Rail Freight



DELLNER DAC
(Digital Automatic Coupler)

MAIN BENEFITS OF THE DELLNER DAC:

LATCH TYPE COUPLER HEAD
PROVEN IN PASSANGER TRANSPORT

MODULAR DESIGN

CUSTOMISABLE

UIC530-1 COMPATIBLE

RELIABLE AND ROBUST

LOW LCC

EASY MAINTENANCE

INCREASED SAFETY IN COUPLING
AND UNCOUPLING

EASY AND FAST INSTALLATION

DIGITAL FUNCTIONALITIES

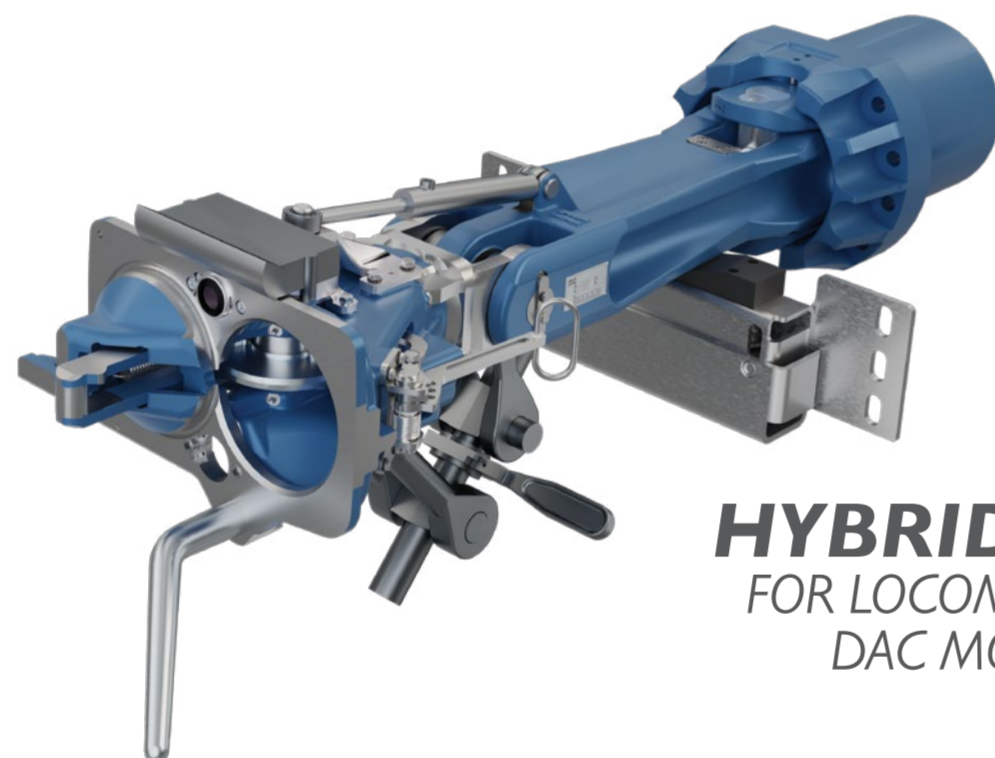
THE DELLNER DAC - TECHNICAL DATA

CHARACTERISTICS	VALUE	IN COMPLIANCE WITH	REMARKS
Strength, draft	1000 kN (Yield strength) / ≥1500 kN (Ultimate strength)	EN12663, UIC530-1, UIC522	
Strength, buff	2000 kN (Yield strength)	EN12663, UIC530-1, UIC522	
Horizontal angle	±17° at -50 mm stroke, ±12° from -50 mm to -110 mm stroke	UIC530-1	
Vertical angle	±9° at -50 mm stroke, ±4° from -50 mm to -110 mm stroke	UIC530-1	
Min. coupling speed	0,5 km/h		
Max. coupling speed	Up to 12 km/h		Recommended < 6 km/h
Draft gear interface	Acc. To UIC530-1	UIC530-1	
Pivot to coupler face	Min. 1025 mm	UIC530-1	
Gathering range, horizontal	-275 mm / +370 mm	EN16019/TSI HGV, UIC522	
Gathering range, vertical	±140 mm	EN16019/TSI HGV, UIC522	
Coupling on / movement through curved tracks, humps	Acc. To UIC522 chapter 3	UIC522	
Coupler head	Latch type 10 modified	EN16019/TSI HGV, UIC522	Visual indication of coupler locking mechanism acc. to UIC522
Uncoupling device	Manual (Automatic level 5)		
Stroke on draft	55 mm / 110 mm	UIC530-1, UIC524	55 mm acc. to UIC530-1, possible to increase to 110 mm
Stroke on buff	110 mm	UIC530-1	
Energy absorption for 110 mm stroke	Approx. 50 kJ	UIC530-1, UIC522	
Number of air connections	Up to 2		
Diameter of brake pipe	1 1/4"		
Pressure in brake pipe	Max 12 bar		
Interface of brake pipe	G 1 1/4"		
Environmental conditions	-25°C to +70°C		
Fire protection class	HL2	EN45545	

Options: Electrical coupler, automatic uncoupling, locking of manual uncoupling to prevent vandalism, MRP, front covers, Condition based monitoring, wagon mounted manual uncoupling device.

MIGRATION OF THE DAC

DELLNER WILL SUPPORT MIGRATION, FROM PLANNING THROUGH EXECUTION, FOR A HIGHLY RELIABLE DAC COUPLER EQUIPPED FLEET.



HYBRID DAC
FOR LOCOMOTIVES
DAC MODE



HYBRID DAC
FOR LOCOMOTIVES
SCREW COUPLER MODE

MAIN BENEFITS OF THE HYBRID COUPLERS:

FULLY COMPATIBLE WITH SCREW COUPLER INTERFACES AND NEW DAC INTERFACES / CONNECTING THE OLD AND NEW FLEETS

DESIGNED TO FIT EXISTING LOCOMOTIVE INTERFACES

AVAILABLE WITH ALL DAC FEATURES

MANUAL OR AUTOMATIC LIFTING DEVICE



TRAIN CONNECTION SYSTEMS

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