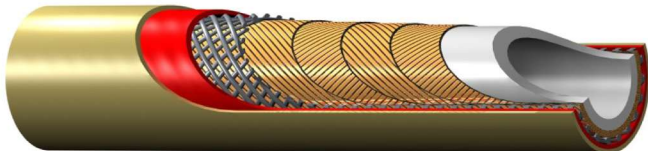


# Golden Eagle Product Manual



ENGINEERING YOUR SUCCESS.

ISSUED H. Krapp 24 February 2010	PARKER ENGINEERING MANUAL  Parker Hannifin Corporation POLYFLEX DIVISION EUROPE	SPEC. HS-2580M-32V88
REVISED M. Levin 13 April 2010		Revision: A
SUBJECT Schlauchspezifikation/ Hose Specification 2580M-32V88 2" GOLDEN EAGLE (CHEMJEC with COLORGARD)		PAGE 1 of 2
		
Konstruktion/ Construction		Material
Innenschicht/ Inner core:		Proprietary Specification, based on fluoropolymer technology.
Bindung/ Bond:		
Druckträger/ Pressure reinforcement:		Four spiral layers and two open spiral layers of high tensile steel wire.
Bindung/ Bond:		
Außenschicht/ Outer cover:		TPU red inner sheath plus extra thick TPU golden outer sheath
Maße/ Dimensions		
Innendurchmesser/ Inner diameter:		51,0 mm ± 1,0 mm
Außendurchmesser/ Outer diameter:		84,5 mm ± 1,0 mm
Biegeradius/Min Bend radius :		800 mm
Gewicht/ Weight:		9,4 kg/m
Leistungsdaten/ Performances		
Berstdruck/ Burst pressure:		172,5 MPa (25000 psi)
Betriebsdruck/ Operating pressure:		69,0 MPa (10000 psi)
Sicherheitsfaktor/ Safety factor:		1:2,5
Längenänderung bei Betriebsdruck/ Change in length at working pressure:		+2% / -1,5% acc. to ISO 13628-5
Impulsfestigkeit/ Impulse strength:		≥ 200.000 cycles acc. to POLYFLEX works standard (@ 108,7% of 69,0 MPa @approx. 40°C)
		≥ 10.000 cycles acc. to POLYFLEX works standard (square pressure curve @ 133% of 69,0 MPa @100°C)
Volumetrische Expansion bei Betriebsdruck/ Volumetric expansion at operating pressure:		Typical value: 8% (@ 69,0 MPa)
Betriebstemperatur/ Operating temperature:		-40°C - +70°C, see above data for 100°C
Beständigkeit/ Chemical resistance:		PFDE-ES28
Elektrische Leitfähigkeit/ Electrical conductivity:		Ja / Yes
Außendruckbeständigkeit/ External collapse resistance:		Typical values: 6,5 MPa (940 psi) straight, 5,7 MPa (826 psi) @ minimum bend radius acc. to ISO 13628-5
Maximale Zugbelastung/ Maximum tensile loading:		35 kN
Armaturen Serien / Fitting Series:		BL series fittings (see assembly instruction PFDE-C2580M-32-OF)
Anwendungsbereich/ Application		
Offshore, (Control Fluids, Acidising, Chemical Injection, Well Stimulation), Long length (up to 1000m). High pressure delivery hose.		
Bemerkung/ Remarks		
Extra thick, dual colour, abrasion resistant COLORGARD sheath improves durability and acts as an early warning system to prevent hose failure due to excessive abrasion.		