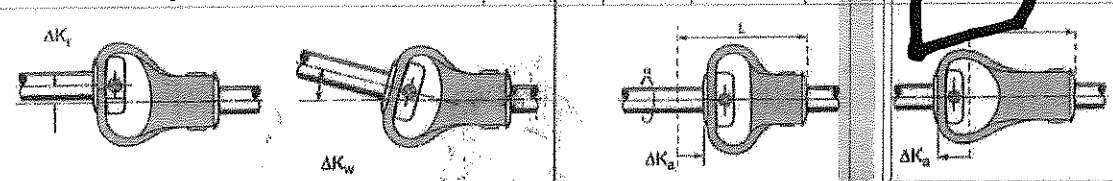


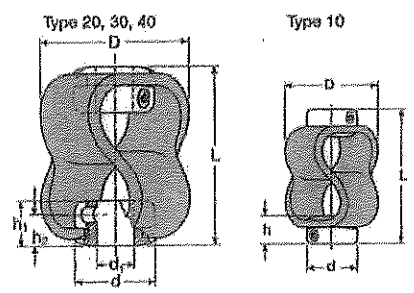
Type 30

Selection system PAGUFLEX® PLUS:

Parameters	Symbol	Unit	Coupling size			
			10	20	30	40
Max. torque						
for displacement $K_v \leq 1^\circ$, $K_s \leq 2$ mm, $K_r \leq 0.5$ mm	T_{r,max_1}	Nm	0.8	3.0	8.0	18
for max. angular & radial displacement	T_{r,max_2}	Nm	0.5	1.8	5.0	10
Mobility						
max. axial displacement	$2 \cdot \Delta K_a$	mm	9.0	15	17	22
max. radial displacement	ΔK_r	mm	2.6	3.2	3.2	3.2
max. angular displacement	ΔK_α	$^\circ$	10	15	15	15
Torsion angle at 50 % T_{r,max_1}	α	$^\circ$	4.0	3.0	10	24
Torsion spring rigidity up to 50 % T_{r,max_1}	C_t	Nm/rad	3.2	7.8	21	23
Axial spring rigidity up to 20 % ΔK_s	C_s	N/mm	31	13	33	72
Radial spring rigidity up to 20 % ΔK_r	C_r	N/mm	11	4.5	7.7	21
Angular spring rigidity up to 50 % ΔK_w	C_w	Nm/rad	5.2	9.5	13	17
Angular momentum of the coupling	J_k	kg·m ²	$0,1 \cdot 10^{-5}$	$0,91 \cdot 10^{-5}$	$1,87 \cdot 10^{-5}$	$1,65 \cdot 10^{-5}$
Mass - standard design	M_k	kg	0,024	0,077	0,119	0,108



Fitting dimensions: (in mm)	Symbol	Coupling size			
		10	20	30	40
Rotation diameter	D	26.0	48.0	54.0	54.0
Length, slack	L	28.0	48.0	58.0	61.0
Boss diameter	d	18.0	25.0	28.0	28.0
Boss height	h_1	7.9	12.7	15.9	15.9
Height of mounting bolt	h_2	5.5	7.9	10.4	11.2
Standard bore diameter	d_1	6.0	10.0	12.0	14.0
Max. permissible bore diameter	d_2	8.0	12.0	16.0	16.0
Bolt with hexagon socket DIN 916		M3	M4	M5	M6



Accouplement DB connoyBURG

telle
Erwin Telle GmbH

Sigmundstraße 176
90431 Nürnberg
☎ +49(0)9 11 657 1722
☎ +49(0)9 11 657 1728
E-Mail info@telle.de
www.telle.de

Eisenhammerstraße 8
92237 Sulzbach-Rosenberg
Carl-Kolb-Straße 2
95448 Bayreuth
Innstraße 5
93059 Regensburg

... für Sie immer das Richtige! **telle**

Produktinfo

Schläuche aus Gummi, Metall und Kunststoff

**PAGUFLEX® PLUS
Shaft Couplings**

Highly flexible, torsionally rigid, free of play, one-piece

PAGUFLEX® PLUS

... the sure, uncomplicated, economical solution, if angled, radial and/or axially displaced drive shafts are to be frictionally connected.

NEW:

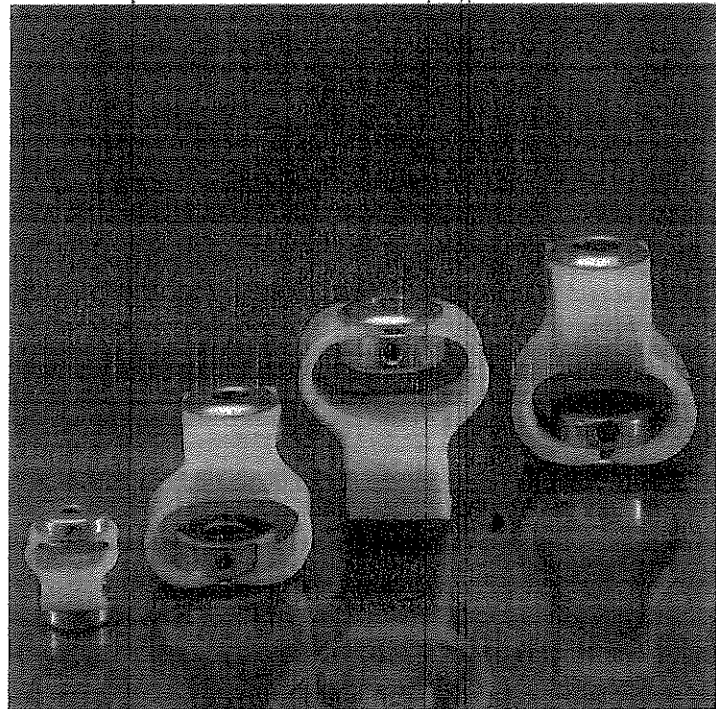
The double loop-shaped, thermoplastic compensating element of the coupling HYTREL®, a Thermoplastic Ether Ester Elastomer (TEEE) from DuPont.

Owing to the high reverse bending strenght of the flexible material and the cardan-like shaping of the power transmitter, this development is the ingenious, technical solution for shaft displacement problems in motive power engineering and in measurement and control techniques.

Recommendations for our products come from the design of: shaft-angle encoders, counting mechanisms, tachogenerators, servo valves, elevating tables, feeding drives, pumps, compressors and ventilators, kitchen equipment, office systems, textile machines and for numerous applications in the automobile and aircraft industries.

The one-piece coupling works frictionless, waerless and silently, and without any troubling effects (i. e. without troubling structure-borne sounds).

Thus in changes of direction of rotation or during torque fluctuations with load direction reversal, PAGUFLEX® PLUS enables play-free and shock-free power transmission, together with effective vibration damping and sound insulation.



In numerous technical applications the material HYTREL® has been successfully substituted not only for established thermoplastics but also for elastomers. It combines ideally the advantages of both materials and therefore is the innovation for flexible shaft couplings.

It enables the opening up of new areas of application in extremely low and high temperatures. Also in association with media in which owing to their sensitivity elastic elements have shown themselves to be of 'limited use'. Further applications are those in which up to now the reverse bedding strenght of the material has set narrow limits

with regard to mechanical fatigue loading. In these, PAGUFLEX® PLUS is now the solution.

The high flexibility of the thermoplastic coupling element effectively lightens the burden of the shaft bearings of motors and machines even in circumstances of large radial and angular, alignment errors. With the help of PAGUFLEX® PLUS, the bearings run quieter, warm up less and achieve longer durability, thus lengthening service life.

PAGUAG

telle
Erwin Telle GmbH

Sigmundstraße 176
90431 Nürnberg
☎ +49(0)9 11 6 57 17 22
☎ +49(0)9 11 6 57 17 28
E-Mail info@telle.de
www.telle.de

Eisenhämmerstraße 8
92237 Sulzbach-Rosenberg
Carl-Kolb-Straße 2
95448 Bayreuth
Innstraße 5
93059 Regensburg