

# PERIFLEX® – SHAFT COUPLING

Stromag further developed the originally invented rubber tire coupling for higher performance with the same classic design. Our Periflex® Shaft Coupling offers now the higher performance of our well-known Periflex® TT Coupling with easier mounting system by staying with the industrial known classic design.

## NEW TECHNICAL BENEFITS

- Easier maintenance and assembly due to adjusted mounting system
- Higher power density – higher torque within smaller diameters
- Fail-safe device included in all coupling variations as standard\*
- Torque range up to 20500 Nm
- Interchangeable with existing Periflex® Shaft Couplings on the field

## APPLICATION

The Periflex® Shaft Coupling is especially suited for use in metallurgical plants, in crane construction as well as for roller table drives. Other areas of application include electrical power units, pumps and compressors, the construction machinery industry, and general mechanical engineering.



Our Periflex® Shaft Coupling offers now a higher performance with easier mounting system by staying with the industrial known classic design. Fewer screws will save our customers valuable maintenance time. The higher performance will allow to cover more applications or choosing a smaller coupling for the same application.

\*With the Periflex® NC (PNC) coupling being the new standard - the fail- safe device will always be included.  
On customer request the Periflex® NA (PNA) variation is still available.



# PERIFLEX® SHAFT COUPLING

## FUNCTION

- Compensate high misalignments
- Torque transmission
- Absorbing high impact loads
- Low mass moment of inertia

## COUPLING VARIATIONS AVAILABLE

- Periflex® NC new standard with fail safe device
- Periflex® NA without fail safe device
- Periflex® NS with taper lock bushing
- Periflex® NP with dismantling part
- Periflex® ND with brake disc
- Periflex® NB with brake drum

Coupling size	1 R	2 R	6 R	16 R	40 R	63 R	125 R	200 R	300 R	400 R	800 R	1500 R
Tire	201 R	203 R	206 R	210 R	214 R	218 R	222 R	225 R	426 R	828 R	1230 R	1832 R
Nominal torque $T_{KN}$ [Nm]	35	70	135	270	545	1000	2200	3400	5500	8200	13700	20500
Asmissible speed $n_{max}$ [rpm]	5000	5000	5000	4000	4000	3000	3000	2500	2300	1800	1500	1000
Max. bore size $d_{max}$ [mm]	24	30	42	55	65	85	110	110	120	130	150	180
Length l [mm]	60	70	110	130	160	193	240	284	336	422	566	608
Mass Moment of inertia $J$ [kgm²] ***)												
JA - Site *) **)	0.00026	0.00054	0.00182	0.00686	0.0181	0.0632	0.1535	0.3990	0.5840	0.9240	2.2200	6.8040
JB - Site *) **)	0.00026	0.00054	0.00182	0.00686	0.0181	0.0632	0.1535	0.3990	0.5840	0.9240	2.2200	6.8040
Weight m [kg] *) **)	0.83	1.22	2.60	5.52	10.20	21.10	36.50	64.70	82.50	113.20	194.50	376.50

\*) with max. bore size

\*\*) values depends on the bore diameter

\*\*\*) values for Periflex® NC (PNC) coupling

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