




























































































































































































































































































Table of Contents

Shaft Coupling Introduction						
Introduction						
Rigid Shaft Couplings	Nominal torques T _{KN} [Nm]	Torque load			Transmission of torque	
		uniform	not uniform	shocks, very rough operation	backlash free	overload holding / fail safe
Tru-Line Flange-Couplings						
RFK ... TBO with backlash free cone clamping connection	2 500 - 625 000	● ●	● ●	● ●	● ●	
Cone Clamping Couplings						
RWK ... EEO with backlash free connection of two shaft ends	130 - 7 600	● ●	● ●	● ●	● ●	
Torsionally Rigid Shaft Couplings	Nominal torques T _{KN} [Nm]	Torque load			Transmission of torque	
		uniform	not uniform	shocks, very rough operation	backlash free	overload holding / fail safe
Gear Couplings						
RDZ ... DTO with double engagement gearing	1 330 - 391 500	● ●	● ●	● ●	●	● ●
RDZ ... DFO with single engagement gearing	1 330 - 391 500	● ●	● ●	● ●	●	● ●
RDZ ... EEO with continuous sleeve, double engagement gearing	10 - 380	● ●	● ●	●	●	● ●
Disc Couplings						
RDL ... DSO with single disc pack	96 - 18 700	● ●	● ●	● ●	● ●	● ●
RDL ... DSZ with double disc packs with spacer	96 - 18 700	● ●	● ●	● ●	● ●	● ●
RDL ... DSA with double disc packs, design according to API 610	96 - 18 700	● ●	● ●	● ●	● ●	● ●
Flexible Couplings						
RDA ... ESO with keyway	2 - 8 000	● ●	● ●	●	●	● ●
RDA ... ESO with backlash free clamping connection	2 - 32	● ●	● ●	●	●	● ●
RDA ... ESO with mounting flange with through bores	85 - 8 000	● ●	● ●	●	●	● ●
RDA ... ESO - Combination of hub designs						
RDA ... ESO - Example hub combination						
Elastic Shaft Couplings	Nominal torques T _{KN} [Nm]	Torque load			Transmission of torque	
		uniform	not uniform	shocks, very rough operation	backlash free	overload holding / fail safe
Grid Couplings						
RES ... EYO with horizontally split cover	48 - 335 500	● ●	● ●	● ●	●	
RES ... ETO with vertically split cover	48 - 169 000	● ●	● ●	● ●	●	
Pin and Bush Couplings						
REB ... DCO	95 - 1 299 500	● ●	● ●	● ●	●	● ●
Jaw Couplings						
REK ... DQO with radially mountable elastomer cushions	5300 - 169 000	● ●	● ●	● ●	●	● ●
REK ... DGO with enclosed elastic elements	34 - 7 000	● ●	● ●	● ●	●	● ●
REK ... DHO with enclosed elastic elements and two piece hub	160 - 7 000	● ●	● ●	● ●	●	● ●
REK ... DGZ with enclosed elastic elements and spacer	60 - 7 000	● ●	● ●	● ●	●	● ●
REK ... DCO with curved jaws	9,6 - 3 430	● ●	● ●	● ●	●	● ●
REK ... ECO with curved jaws	31 - 3 150	● ●	● ●	● ●	●	● ●
Shaft Coupling Technology Details						
Technical points						
Ordering information for bore in imperial dimension						
Questionnaires						

																Page
																4
Bore diameter [mm]	Installation / alignment			Permissible misalignments			Maintenance			Ambient conditions		Damping element	Atex	Complies with		Page
	rigid / excellent	rigid / roughly	flexible	axial	radial	angular	free	low	wear parts	hazardous	aggressive			API 610	API 671	
25 - 350	 						 				*					6
14 - 100	 						 				*					8
Bore diameter [mm]	Installation / alignment			Permissible misalignments			Maintenance			Ambient conditions		Damping element	Atex	Complies with		Page
	rigid / excellent	rigid / roughly	flexible	axial	radial	angular	free	low	wear parts	hazardous	aggressive			API 610	API 671	
15 - 330	 		 	 	 	 		 		*	*					10
15 - 405	 			 		 		 		*	*					12
6 - 65			 	 	 	 	 			*						14
10 - 165	 			 		 	*		 	*	*					18
10 - 165	 		 	 	 	 	*		 	*	*					20
8 - 255	 		 	 	 	 	*		 	*	*			 		22
5 - 140	 	 	 		 	 	 			*						24
5 - 35	 	 	 		 	 	 			*						26
-	 	 	 		 	 	 			*						28
																30
																31
Bore diameter [mm]	Installation / alignment			Permissible misalignments			Maintenance			Ambient conditions		Damping element	Atex	Complies with		Page
	rigid / excellent	rigid / roughly	flexible	axial	radial	angular	free	low	wear parts	hazardous	aggressive			API 610	API 671	
18 - 420	 			 	 	 			 	*	*	 				32
18 - 360	 			 	 	 			 	*	*	 				34
15 - 600	 	 		 	 	 			 	 	*	 	 			36
30 - 340	 			 	 	 			 	 	*	 	 			40
9 - 100	 			 	 	 				 	*	 	 			44
14 - 100	 			 	 	 			 	 	*	 	 			48
9 - 100	 			 	 	 				 	*	 	 			52
6 - 110	 			 	 	 				 	*	 	 			56
10 - 115	 			 	 	 				 	*	 	 			62
																Page
																64
																68
																70

Key

 true, well suited

 conditionally suitable, conditionally applicable

* on request



RFK ... TBO



RWK ... EEO



RDZ ... DTO



RDZ ... DFO



RDZ ... EEO



RDL ... DSO



RDL ... DSZ



RDL ... DSA



RDA ... ESO



RDA ... ESO



RDA ... ESO



RES ... EYO



RES ... ETO



REB ... DCO



REK ... DQO



REK ... DGO



REK ... DHO



REK ... DGZ



REK ... DCO



REK ... ECO