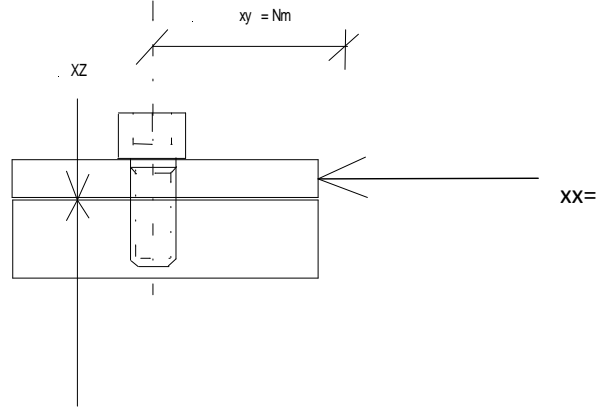


DE=	EN=	PT=	VN=
Reibung	Friction	Fricção	Xích mích



de=	* ist ein Richtwerte	de=	Haftreibung trocken	Gleitreibung trocken
en=	* is a approximate value	en=	static friction dry	dynamic friction dry
pt=	* Representa um valor aproximado	pt=	atrito estático atrito	dinâmico seca seca
vn=	* Là một giá trị gần đúng	vn=	lực ma sát khô ma sát động	ma sát động khô

DE=	EN=	PT=	VN=		
Stahl zu Stahl	steel to steel	aço sobre aço	thép thép	0,08-0,25	0,06 - 0,20
Stahl zu PTFE	steel to PTFE	aço de PTFE	thép PTFE	0,04	0,04
Alu zu Alu	Alu to Alu	Alu para Alu	Alu để Alu	1,05	1,04
Bronze zu Stahl	bronze to steel	bronze de aço	bronze thép	0,19 (0,18 lub)	
Bronze zu Guss	bronze to casting	bronze para fundição	bronze để đúc	0,28	
Bronze zu Bronze	bronze to bronze	bronze de bronze	bronze để bronze	0,18(0,11lub)	
Guss zu Stahl	casting to steel	lançando ao aço	đúc thép	0,19	
Gummi zu Asphalt	rubber to asphalt	borracha para asfalto	cao su để nhựa đường	0,9 - 1,3	0,8

de=	Schraube M20 Qualität 8,8
en=	Bolt M20 quality 8,8
pt=	
vn=	
Mousmape Text= 122500/340	de= Presskraft der Schraube
122500/340 xy 340 N	en= Presure from the Bolt
	pt=
	vn=
xz = 122500N	it is 12,250 tons

de=	Schraube M10 Qualität 12,9
en=	Bolt M10 quality 12,9
pt=	
vn=	
Mousmape Text= 48100/70	de= Presskraft der Schraube
48100/70 xy 340 N	en= pressing force from the bolt
	pt=
	vn=
xz =48100 N	it is 4,81 tons

DE=		EN=		PT=		VN=		dynamisch			
								DE	fett	oil	Wasser
								EN	lit greas	oil	water
								PT	seca	greas	luminad
								VN	nước	greas	água
										greas	sáng khô
											óleo
											spear1
											khô
Bronze /Bronze	bronze/bronze	nze / bronze	bronze / bronze	0,2		0,06					
Bronze /Grauguss	bronze/iron cast.	bronze / ferro fundido.	bronze / gang.	0,21	0,08						
Bronze /Stahl	bronze/steel	bronze / aço	bronze / thép	0,18	0,16	0,07					
Grauguss/Bronze	iron cast/bronze	ferro fundido / bronze	gang / bronze	0,2	0,15	0,08					
Grauguss/ Grauguss	iron cast/iron cast	ferro fundido / ferro fundido	gang / gang	0,28	0,15	0,08	0,31				
Leder/Grauguss	leather/iron cast	couro / ferro fundido	da / gang	0,56	0,27	0,12	0,36				
Stahl/Bronze	steel/bronze	aço / bronze	thép / bronze	0,18	0,16	0,07					
Stahl/Grauguss	steel/ iron cast.	aço / ferro fundido.	thép / gang.	0,18		0,01					
Stahl/Messing	steel/ messing	aço / Messing	thép / rổi tung	0,2							
Stahl/Weissmetall	steel/white metal	aço / metal branco	thép / kim loại màu trắng	0,2	0,1	0,04					
Autorad/Pflaster	car wheel/road surf.	ferro fundido / ferro fundido	bánh xe / đường lướt s	0,5			0,2				
Autorad /Asphalt	car wheel/asphalt	roda de carro / asfalto	bánh xe / nhựa đường	0,3			0,15				

DE=		EN=		PT=		VN=		statisch		
Bronze/Bronze	bronze/bronze	bronze / bronze	bronze / bronze	0,18		0,11				
Bronze/Grauguss	bronze/iron cast	bronze / ferro fundido	bronze / gang	0,28		0,21				
Bronze/Stahl	bronze/steel	bronze / aço	bronze / thép	0,19		0,18				
Grauguss/Grauguss	iron cast/iron cast	ferro fundido / ferro fundido	gang / gang		0,16	0,19				
Leder/Grauguss	leather/iron cast	couro / ferro fundido	da / gang	0,48	0,28	0,12	0,38			

gez/erfasst:	hpw	Datum: 2009	education project	Reibung	translate/en_ds/p_ct/vn_ro	origin: WIAP KFKOK
Aenderung:	hpw	Datum:18.10.2011	WIAP KFKOK	Friction	r7	Wi_8_f_1_0_9_a_Reibung_Friction_m3_r7
Aenderung:	an	Data: 21.01.2015	Safenwil Schweiz	old_wi_8_f_9_a	www.wiap.ch	idee of / from hpw