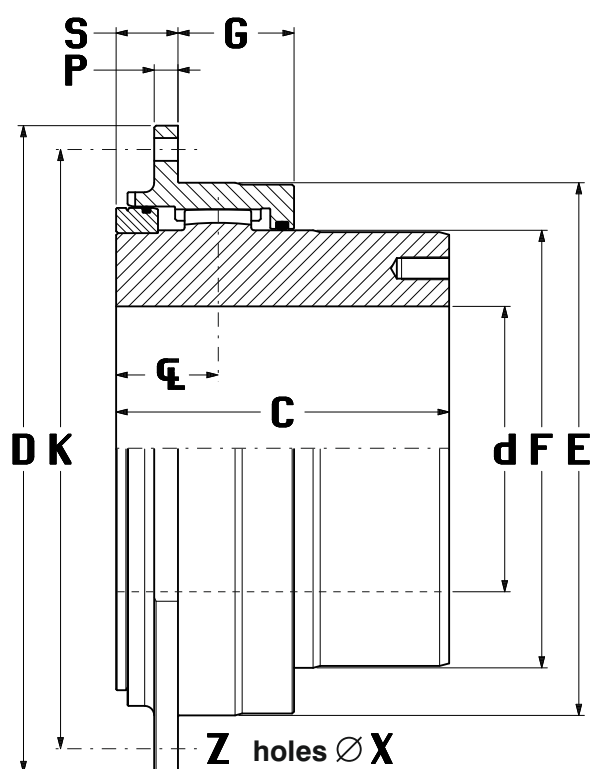
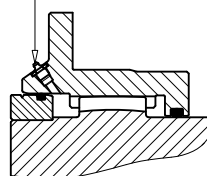


GTS COUPLINGS

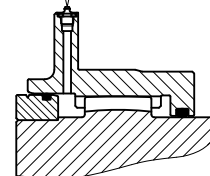
TECHNICAL DATA



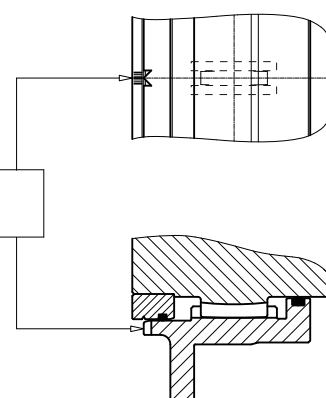
2 G1/8" grease nipples
GTS-20 to GTS-31



2 G1/4" grease nipples
GTS-34 to GTS-73



Mark for gear
teeth wear check



DENOMINATION EXAMPLE:
GTS GEAR COUPLING SIZE 42

GTS-42 Coupling

Fig. 75 - GTS Coupling

TAB. 60

SIZE	NOMINAL TORQUE [kNm] Tk	MAX TORQUE [kNm] Tf	MAX LOAD [kg] Qk	MAX [mm] d	DIMENSIONS [mm]														MASS ① M [Kg]	GREASE QUANTITY [Kg]	
					D	K	Z	X	Y	S	P	G	℄	C	F	f8-H7 E	h9-F8 H	min M			min N
20	21.5	32.3	3600	100	320	280	6	18	M16	45	15	47	53	110	149	200	280	10	25	28	0.15
22	26.7	40.1	4500	110	340	300	6	18	M16	45	15	54	55	125	165	220	300	10	25	36	0.17
24	32.5	48.8	5000	120	360	320	6	18	M16	45	15	54	55	130	184	240	320	10	25	44	0.18
26	44.5	66.8	6250	130	380	340	6	18	M16	45	15	58	57	145	196	260	340	10	25	53	0.20
28	58.5	87.8	7250	150	400	360	6	18	M16	45	15	65	62	170	222	280	360	10	25	73	0.26
31	79.0	119	10500	165	420	380	6	18	M16	45	15	67	62	175	253	310	380	10	25	96	0.28
34	93.0	140	13500	175	450	400	6	23	M20	60	20	73	77	185	266	340	400	10	25	120	0.32
40	139	209	16000	210	510	460	6	23	M20	60	20	75	77	220	317	400	460	10	25	158	0.48
42	168	252	21000	220	550	500	6	23	M20	60	20	82	82	240	330	420	500	10	25	223	0.58
45	245	367	23000	245	580	530	8	23	M20	60	20	92	87	260	368	450	530	20	40	284	0.70
53	370	555	29500	290	650	600	8	23	M20	65	25	107	97	315	435	530	580	25	50	466	1.10
54	480	720	38000	300	665	615	24	23	M20	65	25	115	102	330	450	545	590	25	50	522	1.25
56	560	840	44500	305	680	630	24	23	M20	65	25	122	107	350	460	560	600	25	50	574	1.40
60	660	990	52500	330	710	670	24	28	M24	81	35	125	123	380	500	600	640	35	60	718	1.80
67	840	1260	57500	375	780	730	24	28	M24	81	35	127	123	410	560	670	700	35	60	956	2.20
73	1200	1800	67500	410	850	800	24	28	M24	81	35	130	123	450	610	730	760	35	60	1230	2.60

NOTE 1 - Values are calculated for solid hubs

TECHNICAL DATA

GTS COUPLINGS

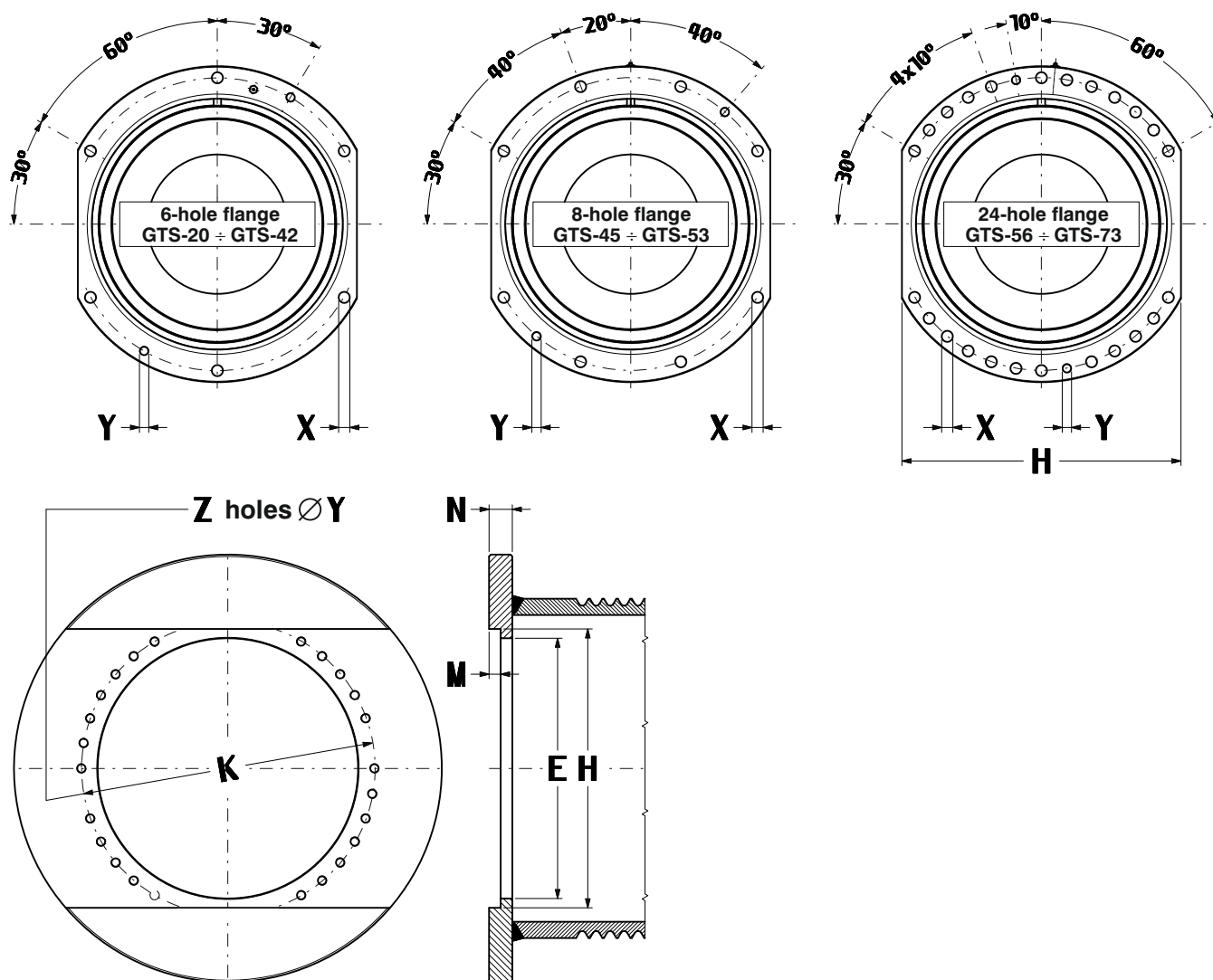


Fig. 76 - Drum Flange

TAB. 61

Max Theoretic Total Working Life [h]	400	800	1600	3200	6300	12500	25000	50000
SAFETY CLASS (UNI 7670)	1 mC	1 mB	1 mA	2 m	3 m	4 m	5 m	5 m
SERVICE FACTOR FS	1.00	1.12	1.25	1.40	1.60	1.80	2.00	2.50

GEAR COUPLING
SELECTION

LOAD DATA:	T_n	= MAX TORQUE ON THE DRUM	[kNm]
	Q	= MAX RADIAL LOAD ON THE GEAR COUPLING	[kg]
	D	= SHAFT DIAMETER	[mm]
	FS	= SERVICE FACTOR (TAB. 61)	[-]
VERIFY THAT:	GEAR COUPLING NOMINAL TORQUE	T_k	[kNm] ≥ T _n x FS
	MAX GEAR COUPLING RADIAL TORQUE	Q_k	[kg] ≥ Q
	MAX GEAR COUPLING BORE	d	[mm] ≥ D