

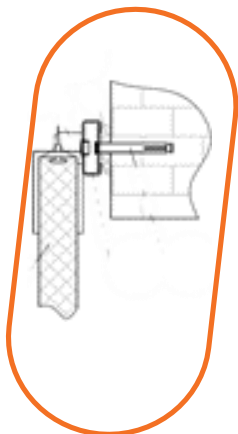
**TRAFFIC SWINGING SINGLE LEAF DOORS WITH TORSION HINGES**

ALL PRICES IN EURO, 2 MM THICK DOOR FRAME INCLUDED, VAT NOT INCLUDED

(TSD TH)

26.03.2025

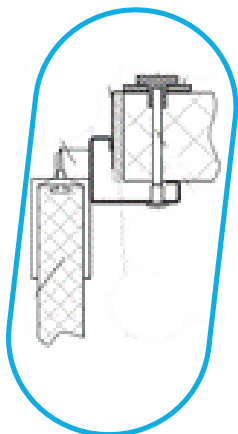
- PH Insulation's traffic swinging doors are designed to separate production and other premises in places with intensive traffic of personnel. The factory-made doors are ready for installation on technological, industrial premises, supermarkets, hospitals, food production facilities, cafes, restaurants, etc. Doors can be equipped with oval windows of 200x500 or 300x580 mm.
- PH Insulation's doors with torsion hinges automatically return to the closed position and remain closed even in strong wind.
- All elements of torsion hinges are made of steel.
- Torsion hinges are less visible in the interior compared to standard hinges.
- Important! Doors with torsion hinges should be used only in dry areas.



**OVERHEAD FRAME**

INSTALLATION OPENING, HEIGHT, MM	INSTALLATION OPENING, WIDTH, MM						
	700	800	900	1000	1100	1200	1300
1800	417	426	433	445	453	470	542
1900	421	431	439	451	460	535	549
2000	425	437	445	457	465	541	555
2100	429	442	450	463	528	547	562
2200	433	448	456	469	534	554	568
2300	442	458	467	537	546	567	642
2400	451	468	477	548	558	579	655
2500	527	541	551	567	577	599	676
2600	539	554	564	580	591	674	692
2700	546	562	572	589	600	683	701
2800	552	570	580	597	667	692	710
2900	619	634	646	664	676	701	720
3000	625	644	656	674	686	712	731
3100	633	653	664	683	696	722	741
3200	640	661	673	693	705	732	752
3300	646	668	680	700	713	740	760

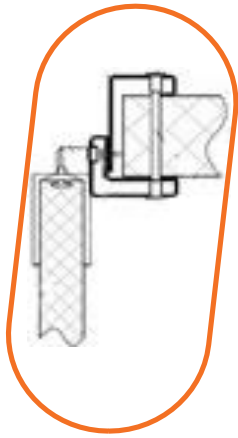
RAL 9003



**ANGULAR FRAME**

INSTALLATION OPENING, HEIGHT, MM	INSTALLATION OPENING, WIDTH, MM						
	700	800	900	1000	1100	1200	1300
1800	460	470	478	489	499	518	591
1900	465	476	485	495	506	584	599
2000	474	487	496	507	518	597	612
2100	479	493	502	514	583	604	620
2200	484	500	509	521	590	612	628
2300	498	515	524	594	607	629	707
2400	508	526	536	607	620	643	722
2500	582	596	607	621	634	658	737
2600	592	608	619	633	646	731	750
2700	599	616	627	642	656	741	761
2800	607	625	636	651	724	751	771
2900	678	694	706	723	737	765	785
3000	687	706	719	735	750	778	799
3100	694	715	727	744	759	788	809
3200	701	723	736	753	768	797	819
3300	708	731	745	762	778	807	829

RAL 9003



## OVERLAPPING FRAME

INSTALLATION OPENING, HEIGHT, MM	INSTALLATION OPENING, WIDTH, MM						
	700	800	900	1000	1100	1200	1300
1800	527	540	550	563	577	596	664
1900	535	549	559	573	587	668	674
2000	548	564	574	588	603	685	691
2100	555	573	584	597	673	695	702
2200	563	582	593	607	683	705	712
2300	579	599	611	686	703	725	796
2400	593	614	626	702	720	743	814
2500	680	698	711	728	746	770	842
2600	694	712	726	743	762	850	858
2700	704	724	738	755	774	863	871
2800	714	736	750	768	849	876	885
2900	790	810	825	844	864	892	901
3000	805	828	843	862	883	911	920
3100	815	839	855	875	896	925	934
3200	823	848	864	884	905	935	944
3300	833	860	876	896	918	948	957

RAL 9003

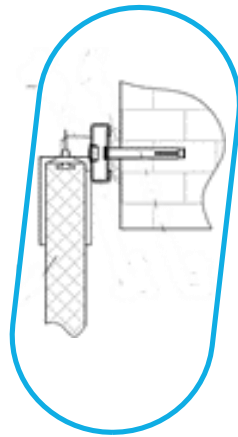
OUR DOORS ARE AVAILABLE IN CUSTOM SIZES TO INSURE BEST COMMERCIAL APPLICATION

## TRAFFIC SWINGING DOUBLE LEAF DOORS WITH TORSION HINGES

ALL PRICES IN EURO, 2 MM THICK DOOR FRAME INCLUDED, VAT NOT INCLUDED

(TDD TH)

26.03.2025



## OVERHEAD FRAME

INSTALLATION OPENING, HEIGHT, MM	INSTALLATION OPENING, WIDTH, MM				
	1000	1100	1200	1300	1400
1800	640	643	653	656	713
1900	647	650	660	663	723
2000	653	657	667	670	734
2100	660	663	674	677	744
2200	666	670	681	684	754
2300	680	684	695	699	772
2400	695	700	713	717	794
2500	816	820	833	837	918
2600	834	839	852	856	940
2700				867	954
2800				879	969
2900				1004	1097
3000				1015	1112
3100				1027	1129
3200				1040	1145
3300				1050	1158

RAL 9003

## OVERHEAD FRAME

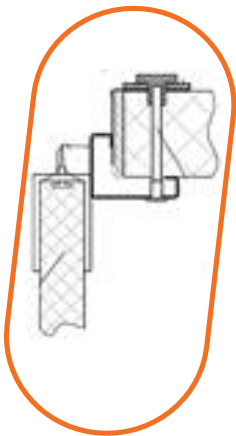
	INSTALLATION OPENING, HEIGHT, MM	INSTALLATION OPENING, WIDTH, MM				
		1500	1600	1700	1800	1900
RAL 9003	1800	716	719	723	726	731
	1900	727	730	733	736	741
	2000	737	740	744	747	752
	2100	747	751	754	758	763
	2200	757	761	765	768	774
	2300	776	780	784	788	906
	2400	798	802	806	810	929
	2500	922	926	930	934	940
	2600	944	949	953	957	964
	2700	959	963	968	972	979
	2800	973	978	983	987	994
	2900	1102	1107	1112	1116	1123
	3000	1117	1121	1126	1131	1138
	3100	1134	1139	1144	1149	1156
	3200	1150	1155	1160	1166	1173
	3300	1163	1169	1174	1180	1187

## OVERHEAD FRAME

	INSTALLATION OPENING, HEIGHT, MM	INSTALLATION OPENING, WIDTH, MM						
		2 000	2 100	2 200	2 300	2 400	2 500	2 600
RAL 9003	1800	734	737	740	743	748	863	866
	1900	745	748	751	866	871	875	878
	2000	756	759	763	877	883	886	890
	2100	767	882	885	889	894	898	901
	2200	778	893	896	900	906	910	913
	2300	910	914	917	921	927	1044	1047
	2400	934	938	942	946	952	1070	1074
	2500	945	949	953	957	963	1081	1086
	2600	968	973	977	1095	1101	1106	1110
	2700	983	988	993	1111	1117	1122	1126
	2800	999	1117	1122	1126	1133	1138	1142
	2900	1128	1133	1138	1143	1149	1154	1159
	3000	1143	1148	1153	1158	1165	1170	1175
	3100	1162	1167	1172	1177	1184	1189	1194
	3200	1178	1184	1189	1194	1201	1207	1212
	3300	1193	1198	1203	1209	1216	1222	1227

## ANGULAR FRAME

	INSTALLATION OPENING, HEIGHT, MM	INSTALLATION OPENING, WIDTH, MM				
		1000	1100	1200	1300	1400
RAL 9003	1800	679	684	695	698	757
	1900	686	692	702	706	768
	2000	694	699	710	713	779
	2100	701	707	717	721	790
	2200	715	721	732	736	808
	2300	734	740	751	756	832
	2400	751	757	771	775	855
	2500	869	876	890	894	977
	2600	886	892	906	911	997
	2700				923	1012
	2800				935	1027
	2900				1065	1160
	3000				1079	1177
	3100				1091	1194
	3200				1103	1209
	3300				1115	1224

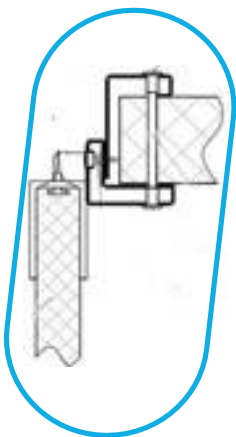


## ANGULAR FRAME

	INSTALLATION OPENING, HEIGHT, MM	INSTALLATION OPENING, WIDTH, MM				
		1500	1600	1700	1800	1900
RAL 9003	1800	760	764	767	771	776
	1900	771	775	778	782	787
	2000	782	786	790	793	799
	2100	793	797	801	805	811
	2200	812	816	820	825	830
	2300	836	840	844	848	868
	2400	859	864	868	872	893
	2500	981	986	990	995	1001
	2600	1001	1006	1011	1016	1022
	2700	1017	1022	1026	1031	1038
	2800	1032	1037	1042	1047	1054
	2900	1165	1170	1176	1181	1188
	3000	1182	1188	1193	1198	1205
	3100	1200	1205	1210	1216	1223
	3200	1215	1220	1226	1231	1239
	3300	1230	1236	1242	1247	1255

## ANGULAR FRAME

	INSTALLATION OPENING, HEIGHT, MM	INSTALLATION OPENING, WIDTH, MM						
		2 000	2 100	2 200	2 300	2 400	2 500	2 600
RAL 9003	1800	781	785	788	792	797	913	917
	1900	793	797	800	915	920	926	929
	2000	805	808	812	927	933	938	942
	2100	816	932	935	939	945	951	955
	2200	836	953	957	961	967	973	977
	2300	974	978	983	987	993	1113	1117
	2400	1000	1004	1009	1013	1019	1140	1145
	2500	1008	1013	1017	1022	1028	1149	1153
	2600	1029	1034	1038	1157	1163	1170	1175
	2700	1045	1050	1055	1173	1180	1187	1192
	2800	1061	1180	1185	1190	1197	1204	1209
	2900	1195	1200	1205	1210	1217	1225	1230
	3000	1213	1218	1223	1229	1236	1244	1249
	3100	1231	1236	1242	1247	1255	1262	1268
	3200	1247	1252	1258	1263	1271	1279	1284
	3300	1263	1269	1274	1280	1288	1295	1301



## OVERLAPPING FRAME

	INSTALLATION OPENING, HEIGHT, MM	INSTALLATION OPENING, WIDTH, MM				
		1000	1100	1200	1300	1400
RAL 9003	1800	748	754	766	771	832
	1900	760	766	778	783	847
	2000	771	777	790	795	863
	2100	782	788	801	806	877
	2200	796	802	815	820	895
	2300	816	823	835	841	920
	2400	840	847	862	868	951
	2500	951	958	973	979	1063
	2600	970	977	992	998	1086
	2700				1013	1104
	2800				1029	1123
	2900				1162	1258
	3000				1181	1281
	3100				1196	1301
	3200				1208	1316
3300				1223	1335	

## OVERLAPPING FRAME

	INSTALLATION OPENING, HEIGHT, MM	INSTALLATION OPENING, WIDTH, MM				
		1500	1600	1700	1800	1900
RAL 9003	1800	837	841	846	851	857
	1900	852	857	862	867	874
	2000	868	873	878	883	890
	2100	882	887	893	898	905
	2200	901	906	911	917	924
	2300	925	931	936	942	1067
	2400	957	963	968	974	1101
	2500	1069	1075	1081	1086	1094
	2600	1092	1098	1104	1110	1118
	2700	1110	1116	1122	1129	1137
	2800	1129	1136	1142	1149	1157
	2900	1265	1272	1278	1285	1293
	3000	1288	1294	1301	1308	1317
	3100	1308	1315	1322	1328	1337
	3200	1323	1330	1337	1344	1353
	3300	1342	1349	1356	1363	1372

## OVERLAPPING FRAME

	INSTALLATION OPENING, HEIGHT, MM	INSTALLATION OPENING, WIDTH, MM						
		2 000	2 100	2 200	2 300	2 400	2 500	2 600
RAL 9003	1800	863	868	873	878	884	1005	1010
	1900	880	884	889	1010	1016	1022	1027
	2000	896	901	906	1027	1034	1040	1045
	2100	911	1032	1037	1043	1050	1056	1061
	2200	930	1052	1057	1063	1070	1077	1082
	2300	1074	1079	1085	1090	1098	1222	1227
	2400	1108	1114	1119	1125	1133	1259	1265
	2500	1101	1107	1113	1119	1127	1250	1255
	2600	1125	1131	1137	1259	1267	1274	1280
	2700	1144	1150	1157	1278	1286	1294	1300
	2800	1164	1286	1293	1299	1307	1315	1321
	2900	1301	1307	1314	1321	1329	1337	1343
	3000	1324	1331	1338	1345	1353	1361	1368
	3100	1345	1352	1359	1366	1375	1383	1390
	3200	1361	1369	1375	1383	1391	1399	1406
	3300	1380	1388	1395	1402	1411	1419	1426

OUR DOORS ARE AVAILABLE IN CUSTOM SIZES TO INSURE BEST COMMERCIAL APPLICATION

## DOOR CATALOGUE CODES

TSD TH	TRAFFIC SWINGING SINGLE LEAF DOORS WITH TORSION HINGES
TDD TH	TRAFFIC SWINGING DOUBLE LEAF DOORS WITH TORSION HINGES
RIGHT / LEFT	HINGES ON THE RIGHT / HINGES ON THE LEFT

### EXAMPLE OF DOOR CATALOGUE CODE: TSD TH 800 2000 40 RAL9003/RAL9003 ANG RIGHT

DOOR TYPE	DOORWAY WIDTH	DOORWAY HEIGHT	DOOR THICKNESS	DOOR LEAF METAL		FRAME TYPE	HINGES LOCATION
				EXTERIOR	INTERIOR		
TSD TH	800	2 000	40	RAL9003	RAL9003	ANGULAR	RIGHT

## ADDITIONAL OPTIONS FOR TRAFFIC SWINGING DOORS

ITEM	PRICE
TDD FRAME INSTALLATION HARDWARE TO INSULATED SANDWICH PANELS	13
TSD FRAME INSTALLATION HARDWARE TO INSULATED SANDWICH	10
TDD FRAME INSTALLATION HARDWARE TO A BRICK WALL	8
TSD FRAME INSTALLATION HARDWARE TO A BRICK WALL	4
FRAME INSTALLATION HARDWARE FOR STEEL STUD CONSTRUCTION	3
DOOR BLADE MATERIAL: AISI 304, PRICE FOR 1 SQ. M	35
DOOR BLADE MATERIAL: AISI 430, PRICE FOR 1 SQ. M	24
OVERHEAD FRAME AISI 304, PRICE FOR RUNNING METER	19
ANGULAR FRAME AISI 304, PRICE FOR RUNNING METER	33
OVERLAPPING FRAME AISI 304, PRICE FOR RUNNING METER	86
OVERHEAD FRAME AISI 430, PRICE FOR RUNNING METER	11
ANGULAR FRAME AISI 430, PRICE FOR RUNNING METER	19
OVERLAPPING FRAME AISI 430, PRICE FOR RUNNING METER	50
HIDDEN INSTALLATION HARDWARE FOR TSD	47
HIDDEN INSTALLATION HARDWARE FOR TDD	56
HIDDEN INSTALLATION HARDWARE FOR TSD WITH AISI 304 FRAME	65
HIDDEN INSTALLATION HARDWARE FOR TDD WITH AISI 304 FRAME	76
HIDDEN INSTALLATION HARDWARE FOR TSD WITH AISI 430 FRAME	58
HIDDEN INSTALLATION HARDWARE FOR TDD WITH AISI 304 FRAME	68

## FACTORY INSTALLED BUMPERS FOR TSD TH

BUMPER MATERIAL	THICKNESS, MM	PRICE FOR SQ. M	PRICE FOR RUNNING METER	
			BOTTOM 0,25 M	BOTTOM 0,5 M
AISI 304	1,5	115	29	58
AISI 430	1,5	77	19	38
ALUMINIUM CHECKER PLATE	1,5	61	15	30
FLAT HDPE PLASTIC	4,0	34	9	17
CURVED HDPE PLASTIC	6,0	50	12	25

## FACTORY INSTALLED BUMPERS FOR TDD TH

BUMPER MATERIAL	THICKNESS, MM	PRICE FOR SQ. M	PRICE FOR RUNNING METER	
			BOTTOM 0,25 M	BOTTOM 0,5 M
AISI 304	1,5	121	30	61
AISI 430	1,5	80	20	40
ALUMINIUM CHECKER PLATE	1,5	64	16	32
FLAT HDPE PLASTIC	4,0	35	9	18
CURVED HDPE PLASTIC	4,0	41	10	20
CURVED HDPE PLASTIC	6,0	51	13	25

## PACKAGING

ITEM	PRICE
STRETCH-WRAP	INCLUDED IN DOOR PRICE
CARDBOARD PACKAGING	CALCULATED INDIVIDUALLY FOR YOUR ORDER
WOODEN PACKAGING	CALCULATED INDIVIDUALLY FOR YOUR ORDER

