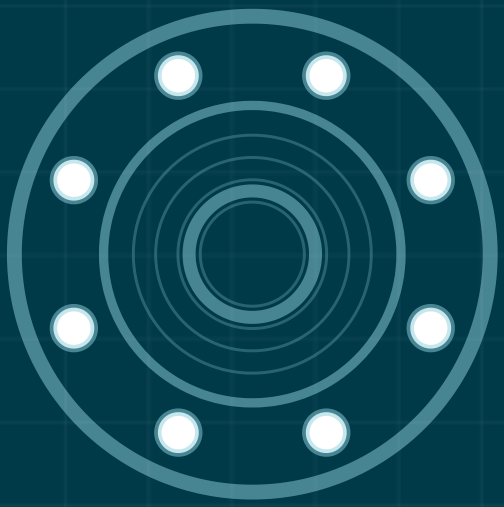
PRODUCT DATA SHEET

FLANGES · 14

Custom Flanges

Non-standard and special flanges — threaded, socket-weld, lap-joint, long weld-neck, reducing, orifice and special drilling — engineered to ASME B16.5 / EN 1092-1 and customer specification.

THREADED | SOCKET-WELD | LAP | SPECIAL



½–60″ NPS	150–2500 ASME class	to spec drilling	CS·SS·alloy material
SIZE RANGE	RATING	CUSTOM	OPTIONS

Custom Flanges

STANDARDS & CONSTRUCTION

Standard types covered TYPES

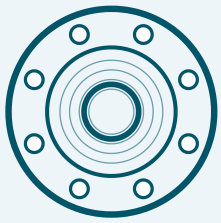
Threaded	ASME B16.5 · EN Type 13 (NPT/BSP)
Socket-weld	Small-bore, high-pressure
Lap-joint	+ stub end · EN Type 02/04
Long weld-neck	Vessel & nozzle service
Reducing / orifice	Metering & size change

Engineering options CUSTOM

Drilling	Special PCD / bolt pattern
Dimensions	Non-standard OD / thickness
Facing	RF · RTJ · T&G · M&F
Material	CS · stainless · alloy · duplex

APPLICATIONS

- Instrument & small-bore (threaded / SW)
- Alloy-saving lap-joint assemblies
- Orifice metering runs
- Matching legacy / non-standard drilling
- Special-service & retrofit flanges



Custom Flanges — schematic (not to scale)

MATERIAL GRADES

Standard	Grades
ASTM A105	Forged carbon steel
ASTM A182	F304/316 · F11 · F22 (alloy)
ASTM A350 LF2	Low-temperature carbon
EN 1092-1	P245/P265GH · 1.4301/1.4404

HOW TO ORDER

1 · Product	Custom / special flange
2 · Type	threaded / SW / lap / LWN
3 · Size	e.g. 3” / DN80
4 · Class / PN	e.g. Class 300
5 · Facing / drilling	RF / special
6 · Grade	ASTM A105
7 · Cert	EN 10204 3.1

CUSTOM · 3” · Class 300
Threaded (NPT) · RF
ASTM A105
MTC EN 10204 3.1

STANDARDS & FACING

ASME B16.5 | EN 1092-1 | ASME B16.47 | ASME B1.20.1 | ASME B16.11 | MSS SP-44 | EN 10204 3.1 | ISO 9001:2015